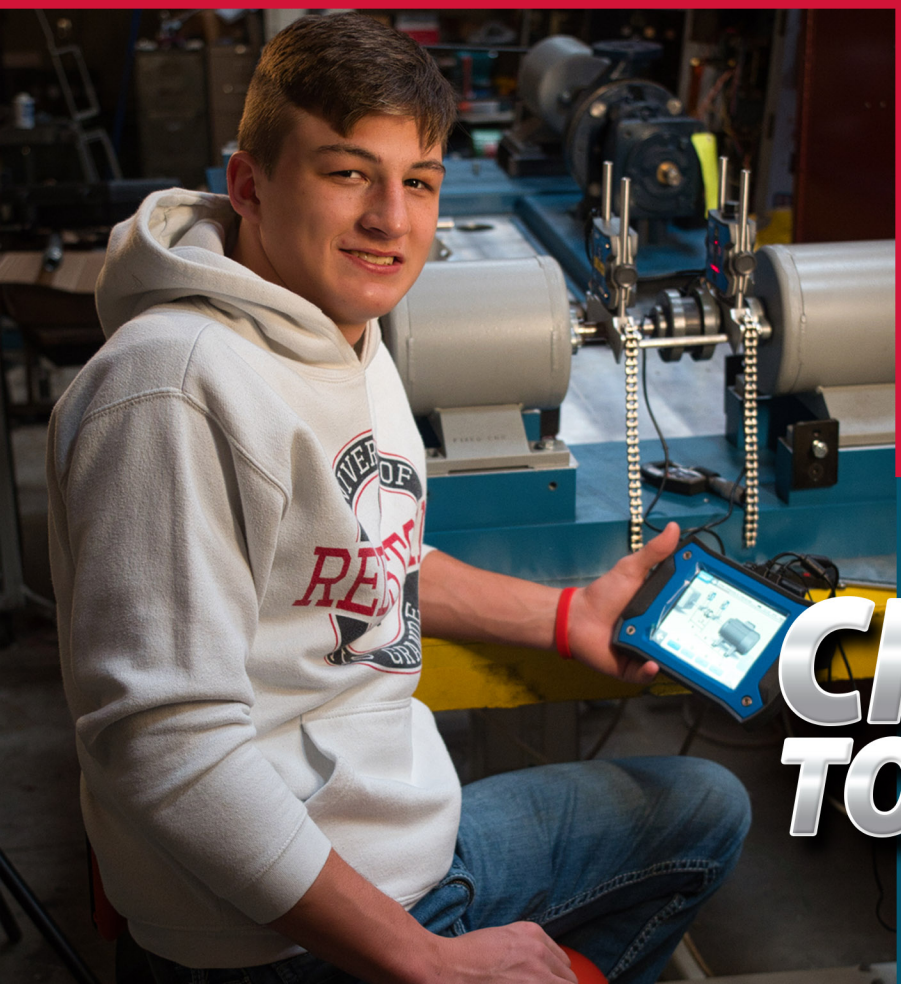

UNIVERSITY OF
# RIO GRANDE
AND RIO GRANDE COMMUNITY COLLEGE

## 2023-2024 CATALOG



# CHANGING TOMORROWS

UNIVERSITY OF RIO GRANDE AND RIO GRANDE COMMUNITY COLLEGE

# 2023-2024 Catalog

The University of Rio Grande and Rio Grande Community College Catalog is published by the Office of Academic Affairs.

**Notice of Nondiscriminatory Policy**

Under Title IX of the 1972 Education Amendments, no person in the United States shall, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity operated by the University of Rio Grande or Rio Grande Community College ("Rio Grande"). Title IX ensures equal access to those programs and activities for our students and employees of all gender identities. Rio Grande is dedicated to providing a safe environment for students, faculty, and staff.

It is the policy of the University of Rio Grande and Rio Grande Community College not to discriminate on the basis of gender in the educational programs, activities, or employment policies as required by Title IX of the 1972 Education Amendments. Inquiries regarding compliance with Title IX may be directed to the Affirmative Action Officer/Director of Human Resources of the University and the Community College, 740-245-7228, or the Director of the Office for Civil Rights, Department of Health, Education, and Welfare, Washington D.C.

Furthermore, the University of Rio Grande and Rio Grande Community College affirm that policies and practices relating to housing, academic and social life, and employment are applied without discrimination based on race, color, sex, sexual orientation, gender, genetic information, gender identity, genetic information, religion, disability, age, marital status, national or ethnic origin, socioeconomic status, veteran status, political affiliation or other characteristics protected by federal, state, or local law. Inquiries in this regard should be directed to the President of the University of Rio Grande and Rio Grande Community College.

**Provisions of Catalog**

The provisions of this catalog are not to be regarded as an irrevocable contract between the student and the University of Rio Grande and Rio Grande Community College. A conscious attempt has been made to provide accurate and up-to-date information. The University of Rio Grande and Rio Grande Community College reserve the right to make and designate the effective date of changes in curriculum, course offerings, fees, requirements for graduation, and any other regulations at the time that such changes are considered to be desirable or necessary. Please visit the Rio Grande website at www.rio.edu for up-to-date catalog information.

This catalog is effective from Fall 2023 through Summer 2024.

**ACADEMIC CALENDAR**

***Fall 2023***

August 21, 2023 ..... Classes Begin
September 04, 2023 ..... Labor Day
October 13, 2023 ..... Community Service Day
November 22, 2023 ..... Fall Break
November 23-24, 2023 ..... Thanksgiving
December 04-08, 2023 ..... Final Exams

***Spring 2024***

January 16, 2024 ..... Classes Begin
February 19, 2024 ..... President's Day
March 11-15, 2024 ..... Spring Break
March 29, 2024 ..... Spring Holiday
May 06-10, 2024 ..... Final Exams
May 11, 2024 ..... Commencement

***Summer 2024***

June 03, 2024 ..... Summer I & 10-Week Begins
July 05, 2024 ..... Summer I Ends
July 08, 2024 ..... Summer II Begins
August 09, 2024 ..... Summer II & 10-Week Ends

***Fall 2024***

August 19, 2024 ..... Classes Begin
September 02, 2024 ..... Labor Day
October 11, 2024 ..... Community Service Day
November 27 2024 ..... Fall Break
November 29-29, 2024 ..... Thanksgiving
December 02-06, 2024 ..... Final Exams

***Spring 2025***

January 13, 2025 ..... Classes Begin
January 20, 2025 ..... Martin Luther King Jr. Day
February 17, 2025 ..... President's Day
March 10-14, 2025 ..... Spring Break
April 18, 2025 ..... Spring Holiday
May 05-09, 2025 ..... Final Exams
May 10, 2025 ..... Commencement

***Summer 2025***

June 02, 2025 ..... Summer I & 10-Week Begins
July 03, 2025 ..... Summer I Ends
July 07, 2025 ..... Summer II Begins
August 08, 2025 ..... Summer II & 10-Week Ends

Academic Calendar ..... 1
Introduction ..... 4
Mission Statement ..... 4
Organization ..... 5
Campus ..... 5
Accreditation and Memberships ..... 5
Endowed Chairs ..... 6
The Alumni Association ..... 6
Admission Policies and Procedures ..... 6
Admission Policy ..... 6
ADA Policy ..... 7
Mental Health Statement ..... 7
FERPA Policy ..... 7
International Students ..... 8
English as a Second Language Program ..... 9
College Readiness Program ..... 9
Transfer Student ..... 9
Part-time Special Student ..... 9
Transient Student Policy ..... 9
Senior Citizen/Extended Education Student ..... 9
Re-admission Student ..... 10
Probationary Admission Student ..... 10
College Credit Plus (CCP) ..... 10
Honors Program ..... 10
Costs and Financial Aid ..... 10
Tuition and Fees ..... 10
Terms of Payment ..... 11
Payment Options ..... 11
Returned Check Fees ..... 11
Late Payment Fee ..... 11
Refunds ..... 11
Important Drop/Withdraw information ..... 11
Non-Attendance Policy ..... 12
Withdraw ..... 12
Course Fees (RGCC Only) ..... 13
Institutional Fee ..... 13
Comprehensive Fee ..... 13
Late Registration Fee ..... 13
Change of Registration Fee ..... 13
Student ID ..... 13
Residency Requirements ..... 13
Financial Aid ..... 14
Financial Aid Available for Qualified Students ..... 14
Application Directions ..... 15
Special Circumstances ..... 16
Standards of Academic Progress Policy ..... 16
Satisfactory Academic Policy ..... 16
Standards of Academic Progress ..... 16
Maximum Time Frame ..... 17
Change of Program ..... 18
Right of Appeal ..... 18
Re-establishing Satisfactory Academic Progress ..... 19
Return of Unearned Title IV Funds Policy ..... 19
Student Affairs ..... 20
Mission Statement ..... 20
Residential Living ..... 20
Campus Government ..... 20
Student Judiciary ..... 20
Student Engagement ..... 20
All-Greek Council ..... 20
Health Services ..... 20
Insurance ..... 21
Mental Health Services ..... 21
Student Success Coaches and Student Success Center ..... 21
Testing Services ..... 21
Career Services ..... 21
Motor Vehicles ..... 22
Campus Police ..... 22
RioNET ..... 22
Student|Space ..... 22
Veterans ..... 22
Organizations ..... 23
Other Activities ..... 25
Academic Programs, Registrar and Services ..... 25
Academic Programs ..... 25
Common Abbreviations ..... 27
Academic Policies ..... 28
Academic Integrity ..... 28
Academic Integrity Procedure ..... 29
Faculty Advisor ..... 31
Degree Audit ..... 31
Academic Load ..... 31
Academic Credit ..... 31
Credit on Transfer ..... 31
Credit from Degree Granting Institutions ..... 31
Credit from an Associate Degree ..... 31
Credit from Military Service ..... 32
Credit from External Testing Programs ..... 32
Life Experience Credit ..... 32
Proficiency Credit by Examination ..... 32
Vocational Articulation Credit ..... 32
Foreign Language Transfer Credit ..... 32
Individualized Degree Program ..... 32
Attendance Policy ..... 33
Excused Absence Policy ..... 33
Forgiveness Policy ..... 33
Grading Policy ..... 34
Repeat Grade Policy ..... 34
Academic Probation and Suspension ..... 35
Course by Arrangement ..... 36
Class Standing ..... 36
64-Hour Rule ..... 36
Dean's Honor List – Graduation Honors ..... 36
Merit List ..... 36
Graduation Requirements ..... 36
Residence Requirements ..... 37
Graduation Requirements for Granting a Second BS or BA Degree ..... 37
Auditing a Course ..... 37
Commencement ..... 37
Registration Procedures ..... 38
Schedule Changes (Drop/Add/Withdrawal) ..... 38
Wait List ..... 38
Withdrawal Policy ..... 38
Policy for Students called to Military Duty ..... 39
Course Cancellation ..... 39

Program Changes ..... 39
Transferring from Rio ..... 39
Transcript Requests ..... 39
University Assessment Plan ..... 39
Academic Services ..... 40
The Michael V. and Flora Jenkins Center for Student Success ..... 40
Office of Accessibility ..... 40
Jeanette Albiez Davis Library ..... 41
IT Help Desk ..... 42
Print Shop ..... 42
Office of Publications ..... 42
Instructional Design and Media Services ..... 42
Honors Program and Requirements ..... 43
Madog Center For Welsh Studies ..... 44
General Education Requirements ..... 45
General Education Required Courses ..... 45
Ohio Transfer Policies ..... 46
State Policy Institutional Transfer ..... 46
Ohio Transfer 36 ..... 46
Transfer Assurance Guides ..... 47
Career-Technical Assurance Guides ..... 47
Military Transfer Assurance Guides ..... 47
Apprenticeship Pathway Programs ..... 47
Advanced Placement Credit Award ..... 48
One-Year Option Credit Award ..... 48
Conditions for Transfer Admission ..... 48
Responsibilities of Students ..... 49
Appeals Process ..... 49
Students Complaints Following Transfer Appeals at the Receiving Institution ..... 49
Art ..... 50
Biology ..... 51
Business Management ..... 52
Chemistry and Biochemistry ..... 56
Computer Science ..... 58
Cybersecurity ..... 59
Diagnostic Medical Sonography ..... 59
Education ..... 64
English ..... 74
Environmental Science ..... 75
General Studies ..... 77
Health Care Administration ..... 78
History ..... 80
Industrial Automation & Maintenance ..... 81
Industrial Machinery ..... 82
Industrial Technology ..... 83
Information Technology–Programming and Software Development ..... 84
Information Technology–Network Systems ..... 84
Liberal Studies ..... 85
Mathematics ..... 86
Meat Science ..... 87
Medical Assisting ..... 88
Medical Coding & Billing ..... 89
Neuroscience ..... 90
Holzer School of Nursing ..... 91
Political Science ..... 98
Pre-Engineering ..... 98
Professional Communications ..... 99
Psychology ..... 101
Public Health ..... 102
Radiologic Technology ..... 103
Respiratory Therapy ..... 107
Social Work ..... 109
Sports and Exercise Studies ..... 112
Technical Studies ..... 113
Welding ..... 114
Wildlife Conservation ..... 116
Undergraduate Course Descriptions ..... 118
Graduate Programs ..... 185
Graduate Course Descriptions ..... 191
Major Codes ..... 195
Private Donor Scholarships ..... 197
Directories ..... 199
Full-Time Faculty ..... 199
Faculty Emeriti ..... 202
Administration ..... 205
Administrative Emeriti ..... 207
Board of Trustees ..... 208
Index ..... 209

# INTRODUCTION TO RIO GRANDE

## Introduction

The University of Rio Grande (URG), established in 1876, is an independent four-year, comprehensive university that offers programs ranging from certificates through the master degree level. In the past, many of its graduates entered the teaching profession. Today, many are preparing for business and public service careers, as well as for the teaching profession. During its history, the University of Rio Grande (pronounced Rye-oh) has been at times a denominational college, a two-year college, a self-help student work college, and a four-year liberal arts college.

Rio Grande Community College (RGCC), established in 1974, offers a wide range of services, including career programs, associate degree transfer programs, and continuing education programs. The Community College reinforces the University's philosophy and history of making meaningful, affordable education and services available to all who can benefit.

The University of Rio Grande and Rio Grande Community College represent a unique marriage between public and private education, between career and liberal arts education, and between younger and older students. The same staff, faculty, and facilities support both the private University and the Community College programs. Students in the Community College programs have the opportunity to enroll in liberal arts courses and programs. Students in liberal arts programs have an opportunity to experience career education courses and programs.

Through a contract between URG and RGCC, Ohio residents in their first two years of college work can take advantage of public community college tuition rates to earn associate degrees in arts or career education. Students have the option of continuing toward a baccalaureate degree at the University of Rio Grande, or transferring to another institution to complete a four-year degree.

## Mission Statement

The University of Rio Grande/Rio Grande Community College is America's unique private/public institution of higher education, designed to provide learners the opportunity to attain a high quality, high-value education. Our personalized, learner-centered environment promotes successful lives, careers, and responsible citizenship.

**Rio Grande Community College offers:**

- Associate's degrees for students in professional studies and the liberal arts and sciences, as well as certificates in career and technical areas.
- The first two years of courses for bachelor's degrees.
- Access to a broad array of courses at an affordable price.
- Developmental courses along with the necessary support to enhance academic skills.
- Appropriate business and industry partnerships and training for economic development in the surrounding four-county community college district.
- Linkages with high schools that promote uninterrupted high school to college articulation.
- Opportunities for community involvement in the decision- making processes.
- Additional locations in Meigs, Jackson, and Vinton Counties, to meet the needs of the local community.

**The University of Rio Grande offers:**

- Access to a broad array of associate and bachelor, and master degrees.
- An effective balance of career preparation, liberal arts, and practical training in a nurturing environment, characterized by a focus on the unique needs of the individual.
- Opportunities for intellectual and personal growth in a close-knit campus community.

**Both URG and RGCC are committed to:**

- Encouraging the development and enhancement of integrity, morally and ethically responsible behavior, respect for diversity, and service learning among students and employees.
- Nurturing basic professional values such as a hard work ethic, basic honesty, self-discipline, perseverance, interpersonal cooperation, and social responsibility among students and employees.
- Providing equal opportunity for students and employees whatever their age, gender, religious background, ethnic or cultural heritage.
- Providing opportunities for any student with special needs to receive an education equal to that of any other student.
- Offering courses though distance and distributed learning at the certificate, undergraduate, and graduate levels.

- Providing opportunities for students, employees, and members of the communities served by the institutions to be engaged intellectually, aesthetically, socially, and physically outside the classroom setting.
- Maintaining a highly motivated and academically qualified full-time faculty dedicated to excellence in teaching, advising, and personal attention.

A Rio Grande education instills self-confidence and motivation, and prepares students for the challenges of living a fulfilling life, reaching career and pre-professional goals, and being a responsible citizen in a culturally diverse, global community.

## Organization

Separate Boards of Trustees administer the University of Rio Grande and Rio Grande Community College. Instructional services for both the two-year and four-year programs are coordinated by the Office of the Provost.

## Campus

The University and the Community College share the same campus, facilities, and faculty. The 190-acre campus is located in Southeastern Ohio within the village of Rio Grande (Gallia County) near U.S. Route 35.

Campus facilities include eleven classroom buildings, a library, five residence halls, a student center, a dining hall, an art museum, and an administration building. Special features within these facilities include a 500-seat theatre, an athletic-recreation complex with a fitness center, a food court, and a large painting/sculpting/ceramics lab. All classrooms, offices and residential halls provide wired and wireless networking which allows Internet access to lab computers, office systems, and personal mobile devices.

## Accreditation and Memberships

The University of Rio Grande is accredited by the Higher Learning Commission, www.hlcommission.org, 230 South LaSalle Street, Suite 7-500, Chicago, IL, 60604. Phone: 800-621-7440. Since 1916, the University has been authorized by the Department of Education, State of Ohio, to prepare students for teacher certification. The teacher education program is approved by the National Association of State Directors of Teacher Education and Certification, and it is accredited by the Council for the Accreditation of Educator Preparation, 1140 19th St NW, Suite 400 Washington, D.C. 20036, 202-223-0077. The Associate of Applied Science in Nursing has approval status from the Ohio Board of Nursing and the University of Rio Grande Holzer School of Nursing programs are accredited by the Accreditation Commission for Education in Nursing (ACEN – Accreditation Commission for Education in Nursing, 3343 Peachtree Rd NE, Suite 850, Atlanta, GA 30326, 404-975-5000. The Radiologic Technology Program has been approved by the Ohio Department of Higher Education and is accredited by the Joint Review Committee on Education in Radiologic Technology, 20 N. Wacker Drive, Suite 2850, Chicago, IL, 60606-3182. Phone: 312-704-5300, www.jrcert.org The Diagnostic Medical Sonography General Concentration and the Cardiovascular Concentration Programs are approved by the Ohio Department of Higher Education and are accredited by CAAHEP (Commission on Accreditation of Allied Health Education Programs), 1361 Park St., Clearwater, FL, 33756. Phone: 727-210-2350, www.caahep.org The Respiratory Therapy Program is accredited by the Commission on Accreditation for Respiratory Care (CoARC), 1248 Harwood Road, Bedford, TX, 76021, Phone: 817-283-2835, www.coarc.com/. The baccalaureate degree in Social Work is accredited by the Council on Social Work Education, 333 John Carlyle St., Suite 400, Alexandria, VA 22314, Phone: 1-703-683-8080 www.cswe.org. The School of Business is accredited by the International Assembly for Collegiate Business Education (IACBE), 1134 Strang Line Road, Lenexa, Kansas, 66215, telephone: 913-631-3009, www.iacbe.org.

The University of Rio Grande is a member of the following organizations: American Association of Colleges; Ohio Association of Private Colleges for Teacher Education; Council on Social Work Education; International Assembly of Collegiate Business Education; American Association of Collegiate Registrars and Admissions Officers (AACRAO); American College Health Association; Association of Performing Arts Presenters; Joint Review Committee on Education in Radiologic Technology; Joint Review Committee on Education in Diagnostic Medical Sonography; National Association for Industrial Technology; National Association of College and University Business Officers; National Association for Campus Activities; National Association of Intercollegiate Athletics; National Collegiate Honors Council; Mid-East Honors Association; Ohio College Association; National Organization for Associate Degree Nursing; National League of Nursing Councils of Associate Degree Programs and Baccalaureate Degree Programs; Ohio Association of Collegiate Registrars and Admissions Officers (OACRAO); Ohio Association of Community Colleges ; and Society of Manufacturing Engineers.

## Endowed Chairs

A college or university improves its mission by being able to attract outstanding persons with the aid of endowed Chairs. In the person's name, the Chair will make continuous contributions to education. The naming of a Chair is a lasting honor to the selected individual. The University of Rio Grande has four endowed Chairs named in honor of Harland Martin, William A. Lewis, Ina Alban, and Morris Haskins.

**The Harland Martin Endowed Chair of Business –** Mr. Martin, a native of Southeast Ohio, was a respected citizen, farmer, businessman, and entrepreneur.

**The Dean Williams A. Lewis Endowed Chair of Psychology –** Mr. Lewis, a native of Gallia County, was a respected alumnus, faculty member, president, and dean of Rio Grande College.

**The Morris E. Haskins Endowed Chair of Business –** Mr. Haskins, a respected banker and entrepreneur in Gallia County, who served diligently on behalf of the entire community as well as the University.

## The Alumni Association

The mission of the Alumni Association of the University of Rio Grande and Rio Grande Community College shall be to support the Rio mission by developing and maintaining strong, lifelong relationships between the alumni body and Rio.

The Rio Grande Alumni Association attempts to promote the welfare of the institution and the perpetuation of friendships and relationships formed among its members, while at school and after graduation. The Association welcomes all graduates, former students, and other friends of the University at its events and functions.

All students of the University of Rio Grande and Rio Grande Community College automatically become members of the Alumni Association immediately upon their graduation from Rio Grande. For more information, please visit the website: https://www.rio.edu/alumni/.

# ADMISSION POLICIES AND PROCEDURES

URG and RGCC Office of Admissions, Florence Evans Hall, PO Box 500, Rio Grande, OH 45674
740-245-7208 or 800-282-7201 office; 740-245-7260 fax;
email: admissions@rio.edu

## Admission Policy

The University of Rio Grande and Rio Grande Community College Admissions Policy is to admit all who may benefit from a college-level education. Admission will be determined without regard to race, color, age, marital status, national or ethnic origin, socio-economic status, political affiliation, religion, gender, or disability.

Applicants for admission are required to submit a completed application for admission alongside a high school transcript or GED. Applicants interested in applying for admission to Education, Radiologic Technology, Diagnostic Medical Sonography, Respiratory Therapy, or the Honors program must also submit (ACT/SAT) scores. Prior to enrollment, students who have not taken the ACT must have taken placement tests in reading, writing, and mathematics. The placement test may be taken in the Testing Center by appointment.

The following academic areas practice selective admission policies and procedures. In addition to the general institutional requirements previously stipulated, the applicant is directed to the Chair or Dean of each program for specific details.

**The programs with selective admission requirements and/ or procedures are:**

- Education
- Honors
- Nursing
- Social Work
- Radiologic Technology
- Diagnostic Medical Sonography
- Respiratory Therapy

Ohio residents seeking first-time admission to college and lower-division transfer students with Ohio residency will be granted dual acceptance to the University of Rio Grande and Rio Grande Community College.

All out-of-state applicants and upper-division transfer students will be granted an acceptance to the University of Rio Grande.

Upper-division or lower-division status of transfer students will be determined upon evaluation of transfer credits submitted on an official transcript.

Applications for admission to Rio Grande should be mailed to the following address:

**Office of Admissions**
***University of Rio Grande/Rio Grande Community College***
PO Box 500
Rio Grande, OH 45674-0500

Further information can be obtained by contacting Rio Grande at 740-245-5353 or 1-800-282-7201 ext. 7208 (Toll Free in OH, WV, KY, & PA), by e-mail (admissions@rio.edu), or by fax (740-245-7260). An online application for admission is available at www.rio.edu/admissions/apply/.

## ADA Policy

If a student wishes to be identified as having a physical, mental, or learning disability that may or may not require reasonable accommodation(s), he/she must register with the Office of Accessibility. Once registered with the Office of Accessibility, registered students should identify themselves to their instructors and provide a written statement from the Office of Accessibility that indicates the appropriate accommodations. The process of a student self-proclaiming the need for accommodation should occur as early in the semester as possible. The Office of Accessibility may be reached at: 740-245-7366 and is located in Davis Library, Office 06, Ground Floor University of Rio Grande.

## Mental Health Statement

Students may experience a range of issues that can cause barriers to learning, such as strained relationships, increased anxiety, alcohol/drug problems, feeling down, difficulty concentrating and/or lack of motivation. These mental health concerns or stressful events may lead to diminished academic performance or reduced ability to participate in daily activities. Services are available to assist you with addressing these as well as any additional concerns. Contact the Office of Student Affairs (740-245-7350) to learn more about available confidential mental health services.

## FERPA Policy

The University of Rio Grande and Rio Grande Community College are committed to fully respecting and protecting the rights of students under the Family Educational Rights and Privacy Act (FERPA) of 1974. FERPA is the federal law that governs the release of and access to student education records.

**Student rights under FERPA include the following:**

- The right to inspect and review educational records within 45 days after the university receives a request for access. A student should submit to the Registrar a written request at records@rio.edu that identifies the record(s) the student wishes to inspect. The Registrar will make arrangements for access and notify the student of the time and place where the records may be inspected.
- The right to request an amendment of educational records if the student believes something is inaccurate or misleading. A student who wishes to ask the university to amend a record should email the Registrar at records@rio.edu, clearly identify the part of the record the student wants changed, and specify why it should be changed. If the university decides not to amend the record as requested, the university will notify the student in writing of the decision and the student's right to a hearing regarding the request for amendment.
- The right to consent to disclosure of personally identifiable information contained in education records except to the extent that FERPA authorizes disclosure without consent (see exceptions to consent below).
- The right to file a complaint with the U.S. Department of Education concerning alleged failures by the university to comply with the requirements of FERPA. The name and address of the office that administers FERPA is:
  Student Privacy Policy Office
  U.S. Department of Education
  400 Maryland Avenue, SW

Washington, DC 20202
1-800-872-5327

The University of Rio Grande does not release student record information without the expressed, written consent of the student, however there are some exceptions:

- **Directory Information**
  Directory Information may be released by the university without the student's prior consent. Directory Information includes a student's name, home address, e-mail address, home telephone number, college of enrollment, major, campus attended, status (including current enrollment, dates of attendance, full-time/part-time, withdrawn), honors received, degrees and/or certificates awarded, and participation in officially recognized activities and athletic organizations. The weight and height of student athletes also qualifies as directory information and may be released by the university.
- **Legitimate Educational Interest**
  School officials may access student records without prior consent if they are deemed to have legitimate educational interests. A school official is deemed to have legitimate educational interests if they need access to the student's educational record in order to fulfill his or her official responsibilities. **Examples of school officials:** university faculty and staff, agents of the institution, students employed by the institution or those who serve on official institutional committees, and representatives of agencies under contract with the university.
- **Compliance with Judicial Order or Lawfully Issued Subpoena**
  Non-directory information from educational records can be released to comply with a judicial order or subpoena, provided the institution makes a reasonable effort to notify the student of the order or subpoena.
- **Appropriate Officials in Cases of Health and Safety Emergencies**
  Non-directory information may be released to appropriate officials if it is necessary to protect the health or safety of the student or other individuals.

**Confidentiality Status**
A student has the right to restrict the release of their directory information. If this restriction is in place, the university is prohibited from releasing this information to anyone including the student. Anyone inquiring about a student with this restriction on their record will be told that there is no record of that student. A student can also lift this restriction at any time. To request or end confidentiality status please contact the Office of the Registrar by email at records@rio.edu.
**NOTE: Confidentiality status does not restrict the access of school officials.**

**Authorizing Release of Non-Directory Information**
A student can authorize a third-party (i.e. parent or legal guardian) to access his or her information (see link to Student Information Release Authorization form below). **NOTE: The University of Rio Grande does not release grades or GPA over the phone or via email.**

Student Information Release Authorization Form:
https://issuu.com/uriogrande/docs/student_information_release_authorization

This is also available in the Office of the Registrar in Florence Evans Hall. Completed forms can be emailed to records@rio.edu, faxed to 740-245-7445, or dropped off at the Registrar's Office or any of our three centers (Jackson, McArthur, and Meigs).

## International Students

International students are requested to submit the following:

a. An international student application
b. A transcript of secondary school credits verifying graduation
c. All post-secondary school official transcripts (if applicable). International applicants must also submit transcripts through a National Association of Credential Evaluations Services (NACES) approved agency or www.incredevals.org for a course-by-course evaluation
d. Copy of passport
e. An official statement from a sponsor or bank documenting financial support
f. Proof of medical/accident insurance that has a policy covering the United States
g. A completed college medical physical examination form and completed immunization requirements

## English as a Second Language (ESL) Program

Rio's English as a Second Language (ESL) program supports students who are non-native speakers of English. The program is designed to provide additional support that enables those students with limited English proficiency to become competent in the comprehension, speaking, reading, and composition of the English language. As an integral part of academics, it strives to assist those with limited English proficiency to participate equitably in school.

## College Readiness Program

Academic support for students is provided through the use of college readiness coursework. College readiness coursework is required for students who, through evaluation of their previous high school academic record or through placement testing, are not yet ready to be placed directly into college freshman-level English and mathematics courses. Designed to academically prepare and/or support students who have demonstrated the need for additional skills in order to successfully engage in college-level coursework, college readiness coursework must be taken within the first year, preferable within the first term.

## Mission Statement

The College Readiness program at the University of Rio Grande and Rio Grande Community College is committed to helping students achieve their academic aspirations by providing them with the supports necessary to become successful learners.

## Goal Statements

The College Readiness program serves students by:

- Providing a variety of learning opportunities and services to meet the diverse educational needs of URG/RGCC students.
- Implementing, evaluating, and improving new initial assessment and placement procedures.
- Advising students in developing an individualized plan to persist in college.
- Assisting students in developing academic skills so they may be successful in freshman-level academic coursework in a minimal amount of time.
- Inspiring students to love learning and actively engaging them in the learning process.
- Fostering self-confidence and motivation in students.
- Engaging students in the use of technology to enhance learning.
- Challenging students to become independent learners and critical thinkers.

## Transfer Student

Students who have attended another college can be admitted by providing transcripts from all colleges and/or universities attended, high school transcript, and a completed application. Official transcripts are required for acceptance and awarding of credit from another institution. For a transcript to be considered official, it must be received directly by Rio through an electronic transcript service such as National Student Clearinghouse or Parchment, or arrive to Rio in a sealed envelope from the sending institution. If approved English and/or mathematics courses have not been completed prior to enrollment to Rio Grande, transfer students must follow the placement procedures as previously described. Students holding an associate or bachelor degree are not required to submit a high school transcript.

## Part-time Special Student

Applicants wishing to enroll in courses for special interest or personal enrichment may register for classes as a special student. After an accumulation of twelve (12) credit hours, the regular admission process is required. Students who desire to enroll in English 11103 Composition I or Math 18803 Algebra Pilot, must complete placement testing prior to enrollment. Special Students are not eligible to receive financial aid.

## Transient Student Policy

Students in good standing, seeking a degree from Rio Grande who would like to take a course from another institution, may do so by completing the Transient Student Course Approval Form prior to registration at the other institution. Obtained in the Office of the Registrar, the Transient Student Course Approval Form must be approved by the student's academic advisor and returned to the Office of the Registrar for filing.

## Senior Citizen/Extended Education Student

Any student who is age 60 or older and a resident of the State of Ohio may attend Community College classes (100- 200 level only) free of tuition charges. The student is responsible for all other fees and costs.

Persons already having completed a bachelor or higher degree, who desire extended education, may enroll in either Community College classes (100-200 level) or University classes (300-400 level). Fees will be assessed according to the applicable tuition rate schedule.

### Re-admission Student

Students wishing to re-enroll at Rio Grande after an absence of one or more academic terms (excluding summer sessions) will be required to complete an application for re-admission. This form is available upon request from the Admissions Office. Students applying for re-admission after academic suspension from Rio Grande must also submit a rationale to include evidence of the probability of academic success. Students seeking re-admission to the School of Nursing or any of the Allied Health Programs should contact the specific department for special re-admission provisions.

### Probationary Admission Student

Students admitted to Rio Grande while on "Academic Probation" at another collegiate institution may be admitted on probation and are directed to the paragraph entitled "Academic Probation and Suspension" in the Catalog. Such students will also comply with the provisions of the policy on "Academic Load" in the Catalog.

Students under "Academic Suspension" from another collegiate institution applying for admission to Rio Grande for the academic term immediately following their suspension will not be granted admission. Admission may be granted upon application after the student has fulfilled a one-term suspension period (excluding summer sessions). Such students will be admitted on "Academic Probation" and are directed to the policy provisions regarding "Re-admission" specified in the previous paragraph.

### College Credit Plus (CCP)

The College Credit Plus Program allows students to earn college and high school credits at the same time by taking college courses from Rio Grande. The intent of this program is to promote rigorous academic pursuits and to provide a wide range of options to college-ready students. Students are screened and admitted in the Fall Semester after completing placement tests and are eligible to participate through high school graduation, provided they continue to meet the academic standards of Rio Grande. Specific requirements for admission as a CCP student are available in the Admissions Office.

### Honors Program

The Rio Grande Honors Program engages gifted students through a specialized curriculum, Honors seminars, and a capstone project that challenges all perceptions to achieve maximum potential. The Honors Program is open to incoming students who meet two of the following three criteria: upper 10% of high school graduating class, 3.5 high school GPA, and ACT composite score of 25. The Honors Program is open to current Rio students who have a 3.25 minimum GPA after completing at least eight credit hours. See also: Honors Program in the Academic Programs, Registrar, and Services section of the catalog.

## COSTS AND FINANCIAL AID

***URG Business Office***, Florence Evans Hall, PO Box 500
F-26, Rio Grande, OH 45674
740-245-7226 office; email: businessoffice@rio.edu
***URG Office of Financial Aid***, Florence Evans Hall, PO Box 500, Rio Grande, OH 45674
740-245-7218 or 800-282-7201 office; 740-245-7102 fax;
email: finaid@rio.edu
***RGCC Office of Administrative and Financial Affairs***, Florence Evans Hall, PO Box 326, Rio Grande, OH 45674
740-245-7236 office; email: rgccinformation@rio.edu

### Tuition and Fees

The University of Rio Grande Board of Trustees and/or the Rio Grande Community College Board of Trustees reserve(s) the right to make, without prior notice, any fee adjustments which may become necessary.

**Tuition and fees are linked at the University of Rio Grande website at:** https://www.rio.edu/affordability-aid/tuition-fees

## Terms of Payment

Payment is due one week prior to the first day of the term. Payment must be received on or before the due date to avoid late fees. Postmarks will not be reviewed.

If a student is a participant of third party billing (e.g. BVR, CAA, TAA, VA, WIA, Jobs & Family Services or Workforce Development), it is the student's responsibility to provide documentation to the Business Office. Appropriate documentation may be faxed to the Business Office 740-245-7171 on or before the stated due date.

## Payment Options

1. **Check** – a check for the balance due may be mailed to the address below. Do not send cash.
   **University of Rio Grande**
   PO Box 500 F-26
   Rio Grande, OH 45674
2. **Telecheck** – By telephone – call the Business Office at 740-245-7226 for telecheck, credit/debit cards (VISA, MasterCard, Discover, and American Express)
3. **Credit/Debit Card Online** – credit/debit card payment can be made by logging into your student account at https://hope.rio.edu/studentspace/PyByCredit.aspxVISA, MasterCard, Discover, and American Express are accepted.
4. **In Person** at Reardon One-Stop Center, Florence Evans Hall, with cash, check, or credit card.
5. **Monthly Payment Plan** – University of Rio Grande offers a payment plan that allows students to stretch payments throughout the semester. An enrollment fee is charged for this option. For more information, contact the Business Office at 1-800-282-7201, extension 7226. You may access the payment plan application at https://issuu.com/uriogrande/docs/2022-2023_student_installment_payment_plan.
6. **Financial Aid** may be applied to your account if you have qualified for assistance. If financial aid is less than the balance due, you must pay the difference. If financial aid is greater than the balance due, you will receive a refund. If you are expecting financial aid and your account does not have an award listed, please contact the Financial Aid Office of at 740-245-7218 or finaid@rio.edu.

## Returned Check Fees

Upon the receipt of a returned check, the University of Rio Grande will send the student and/or check owner an email detailing the reason for return and amount due. Returned check payments must be made with cash, cashier's check, credit card, or money order. A personal check will not be accepted.

Returned checks will be charged a service fee. Tuition checks that are returned at payment deadline will also be charged a late payment fee.

A returned check halt may be placed on the student's records. The halt cannot be released until payment is made. This halt will affect registration, grades, transcripts, and diplomas from being processed.

## Late Payment Fee

There will be a 1.5% late payment fee after the payment deadline. The fee will be recalculated, on the remaining balance, each billing cycle until the balance is paid in full.

## Refunds

**Tuition and Course Fees** - A student will receive no refund as a result of any course dropped after the first five business days (seven calendar days) of an academic semester, or the first two calendar days of summer term.

**Room and Other Fees** - A student withdrawing after the second week of a fall or spring semester or the fourth day of a summer term will not receive a refund of charges for room, board, institutional fee, comprehensive fee, parking fee, insurance or late registration fee, and other fees.

**Advanced Room Deposit** - Advanced room deposits are non-refundable.

## Important Drop/Withdraw information

It is the student's responsibility to drop or withdraw from courses they are not intending to attend. Classes at the beginning of a term WILL BE automatically dropped for non-attendance. After the add/drop period the student will be responsible for all tuition and fees, and add/drop fees. Not reviewing the bill does not eliminate the student's responsibility to pay. (Also

see Schedule Changes and Withdrawal Policy in the Academic Programs, Registrar, and Services section of this catalog.)

## Non-Attendance Policy

Faculty will report non-attendance on the tenth calendar day of the academic term. A student who has ***never*** attended "all of their registered courses" will result in being Administratively Withdrawn from the institution.

For purposes of federal, Title IV, student financial assistance, the U.S. Department of Education requires institutions to be able to demonstrate that federal aid recipients established eligibility for federal aid by participating in academic related activities for all enrolled course work.

Academically related activities include, but are not limited to:

- Physically attending a class where there is an opportunity for direct interaction between the instructor and students
- Submitting an academic assignment
- Taking an exam, an interactive tutorial or computer-assisted instruction
- Attending a study group that is assigned by the school
- Participating in an online discussion about academic matters, and
- Initiating contact with a faculty member to ask a question about the academic subject studied in the course

Academically related activities do NOT include activities where a student may be present, but not academically engaged, such as:

- Living in institutional housing
- Participating in the school's meal plan
- Logging into an online class without active participation, or
- Participating in academic counseling or advisement

Participation in academic counseling and advising are no longer considered to be academic attendance or attendance at an academically related activity.

In a distance education context, documenting that a student has logged into an online class is not sufficient, by itself, to demonstrate academic attendance by a student. A school must demonstrate that a student participated in class or was otherwise engaged in an academically related activity, such as by contributing to an online discussion or initiating contact with a faculty member to ask a course-related question.

Examples of acceptable evidence of academic attendance an attendance at an academically related activity in a distance education program include:

- Student submission of an academic assignment,
- Student submission of an exam,
- Documented student participation in an interactive tutorial or computer-assisted instruction,
- A posting by the student showing the student's participation in an online study group that is assigned by the institution,
- A posting by the student in a discussion forum showing the student's participation in an online discussion about academic matters, and
- An e-mail from the student or other documentation show that the student initiated contact with a faculty member to ask a question about the academic subject studied in the course.

A student's account can be viewed anytime by logging into: https://www.rio.edu/studentspace/

## Withdraw

For a student withdrawing (see policy regarding "Withdrawal" in the Catalog) the following refund schedule will be used:

First calendar week of any semester..... 100%
First - Second day of summer term ..... 100%

Second calendar week of any semester ..... 50%
Third and fourth day of summer term ..... 50%

After second calendar week of any semester..... 0%

After fourth day of summer term..... 0%

A student withdrawn for disciplinary reasons will receive no refund of any charges.

## Course Fees (RGCC Only)

Special fees for consumable materials, lab supplies, use of expensive equipment, transportation, or rental of facilities may be charged in addition to tuition for some courses. The cost of student liability insurance, required in certain health technologies, will be included in the course fee. Students should check the information provided in the course listings in the Catalog for courses with additional fees. Fee amounts can be found at https://www.rio.edu/affordability-aid/tuition-fees

## Institutional Fee

The institutional fee defrays the cost of registration, student activities services, and student support services of a non-instructional nature.

## Comprehensive Fee

The comprehensive fee is used to maintain technology infrastructure and to expand technology-enhanced learning, library and other campus facilities, student services, and athletic facilities.

## Late Registration Fee

Any student who registers on or after the first day of classes will be charged a late registration fee. Add fees do not apply to late total registrations, only the late registration fee will be charged.

## Change of Registration (ADD/DROP) Fee

The change of registration fee will be charged to the student's account if a class is added or dropped beginning on the first day of any semester.

## Student ID

When arriving at the Business Office to pick up refund checks, students are required to present a picture ID (e.g. student ID or driver's license). If the student does not have his/her picture ID, service will be denied. Student IDs can be obtained through the Campus Police.

## Residency Requirements

### *General Residency*

The following persons shall be classified as residents of the State of Ohio for subsidy and tuition surcharge purposes:

1. A dependent student, at least one of whose parents or legal guardian has been a resident of the State of Ohio for all other legal purposes for twelve consecutive months or more immediately preceding the enrollment of such student in the University.
2. A person who has been a resident of Ohio for the purpose of this rule for at least twelve consecutive months immediately preceding his or her enrollment and who is not receiving, and has not directly or indirectly received in the preceding twelve consecutive months, financial support from persons or entities who are not residents of Ohio.

### *Exceptions*

Exceptions to the general rule of residency for subsidy and tuition surcharge purposes:

1. A person who is living and is gainfully employed on a full-time or part-time and self-sustaining basis in Ohio and who is pursuing a full-time program of instruction in Rio Grande Community College shall be considered a resident of Ohio for these purposes.
2. A person who enters and currently remains upon active duty in the United States military service while a resident of Ohio for all other legal purposes and his or her dependents shall be considered residents of Ohio for these purposes as long as Ohio remains the state of such person's domicile.
3. A person on active duty status in the United States military service who is stationed and resides in Ohio and his/her dependents shall be considered residents of Ohio for these purposes.
4. A person, who is transferred by his employer beyond the territorial limits of the fifty states of the United States and the District of Columbia while a resident of Ohio for all other legal purposes, and his or her dependents shall be considered residents of Ohio for these purposes as long as Ohio remains the state of such person's domicile, and as long as such person has fulfilled his or her tax liability to the State of Ohio for at least the tax year preceding enrollment.
5. A person, who has been employed as a migrant worker in the State of Ohio and his or her dependents shall be

considered residents for these purposes, provided such person has worked in Ohio for at least four months during each of the three years preceding the proposed enrollment.

6. Any student who is a qualifying resident of any county of a state in which Rio Grande Community College and the Ohio Department of Higher Education has entered into a legally binding reciprocity agreement.

***Residency Change***

1. Students should have a fair and adequate opportunity to present proof of their Ohio residency for purposes of this rule. The University of Rio Grande and Rio Grande Community College may require the submission of affidavits and other documentary evidence, which it may deem necessary to a full and complete determination under this rule.
2. Evidentiary determinations under this rule shall be made by the institution, which may require, among other things, the submission of documentation regarding the source of a student's actual financial support. A Residency Change Application form is available in the Admissions Office.
3. Any reclassification of a person who was once classified as a non-resident for these purposes shall have prospective application only from the date of such reclassification. In order to qualify for in-district fees, a student must be a resident of Gallia, Jackson, Meigs, or Vinton County and meet the same general residency criteria as stated above to determine residency in the State of Ohio.

## Financial Aid

The Office of Financial Aid assists students and families with the cost of a college education. While financial assistance from employers, federal, state, institutional, and other sources may help pay a large portion of tuition and fees, the responsibility for the remaining portion of the unpaid fees remains with the student.

To schedule an appointment with the Financial Aid Office, please call 740.245.7218 or e-mail finaid@rio.edu. The Financial Aid Office is located in Florence Evans Hall.

## Financial Aid Available for Qualified Students

How much financial aid students are eligible to receive at Rio Grande depends on two different factors: merit and need.

Merit-based aid is determined based on special achievement or a specific talent. The most common type of merit-based aid are scholarships, which typically come from either outside sources, or Rio Grande. All of Rio Grande's merit scholarships are listed under the scholarships tab on our financial aid homepage.

The majority of financial aid offered to Rio Grande students is need-based aid, which is generally determined by your Expected Family Contribution (EFC), year in school, enrollment status, and cost of attendance (COA).

**The formula to determine financial need is as follows:**
Cost of Attendance (COA) – Expected Family Contribution (EFC) = Eligibility for need-based aid

**Cost of Attendance (COA)** is used to determine eligibility for financial aid, and reflects the different estimated costs to attend Rio Grande. This budget is comprised of direct costs (tuition and fees, on-campus room and board), and indirect costs (transportation, personal miscellaneous expenses, books and supplies, and off-campus living). Rio Grande's Cost of Attendance is posted on our financial aid webpage under eligibility.

*The actual cost of attending Rio Grande may differ from the estimated COA used to determine eligibility for financial aid.*

**Expected Family Contribution (EFC)** is the amount students and their family are expected to pay toward a college education. This is calculated using a formula established by the U.S. Department of Education, based on the information the student and their family provide on the Free Application for Federal Student Aid (FAFSA)

**Eligibility for need-based aid** is the result of COA minus EFC, and establishes the different Federal and State aid eligibility annually. It is important to note that while the goal is to meet the full-demonstrated need of students, limited resources do not always allow this to happen. In cases where a student receives assistance in an amount less than the demonstrated financial need, families may need to pay more than the calculated EFC in order to cover the costs associated with enrollment at Rio Grande.

**Types of need-based financial aid include:**

1. **Federal** – Federal financial aid, also known as Federal Title IV Aid, includes Pell Grant, Supplemental Educational

Opportunity Grant (SEOG), Perkins Loan, Stafford Loan, Federal Work Study, and Federal TEACH Grant. All of these are available at University of Rio Grande and Rio Grande Community College. Students must complete a FAFSA (Free Application for Federal Student Aid) in order to be eligible for federal aid. Eligibility for federal aid program is determined by the federal government and is based on each student's FAFSA.

2. **State** – The State of Ohio offers an Ohio College Opportunity Grant (OCOG), which can be applied for all residents of Ohio. The grant is based on need. Students must complete a FAFSA (Free Application for Federal Student Aid) and be considered university status to be eligible for state aid.
3. **Private** – Many private and local organizations have grants and scholarships available to students who meet certain criteria. All students are encouraged to perform their own scholarship search. The local library is an excellent source of information on scholarships. The Internet is also a good starting place to search for additional funding to help with educational costs. The following websites are recommended to search for scholarships:
   www.rio.edu
   www.scholarships.com
   www.fastweb.com
   www.scholaraid.com
   www.collegescholarships.com

Please note that financial aid is based on the number of credit hours taken each semester. Enrolling in less than 12 credit hours per semester will result in a reduction in financial aid. Students should contact the Financial Aid Office with any questions regarding changing the number of credits enrolled per semester.

## Application Directions

Students interested in applying for financial aid must complete the Free Application for Federal Student Aid (FAFSA), beginning October 1st annually. The FAFSA can be submitted by completing a paper FAFSA, FAFSA Renewal Application, or online at www.fafsa.ed.gov. Students must indicate University of Rio Grande's federal school code (003116) on the FAFSA to ensure proper disclosure of the students' FAFSA information to the Financial Aid Office.

Rio Grande has a priority filing deadline of **March 15th**. It is crucial to apply as early as possible due to limited amounts of funding for certain federal financial aid. The Supplemental Educational Opportunity Grant (SEOG) and Federal Work Study are programs which are awarded on a first-come, first-serve basis to eligible students.

Awards are made on an annual basis, and priority will be given to early applicants. Returning students should complete the FAFSA no later than **March 15th** of each year. Eligibility for federal, state, and institutional financial aid is determined from the results of the Free Application for Federal Student Aid (FAFSA). The FAFSA is used to determine the family's ability to meet the student's cost of education, which is used to determine financial need.

Notification of financial aid eligibility will be made to new students by an E-mailed or mailed Award Letter, and to returning students via E-mail.

Any student that is interested in obtaining a Federal Stafford Loan or Federal Perkins Loan must also complete a Master Promissory Note (MPN). The MPN is a multi-year promissory note that remains active up to 10 years. This means that once a student completes the MPN, another MPN is not required for borrowing for 10 years. This process is designed to eliminate paperwork and simplify the process of applying for a Federal Student Loan. Students are asked to complete this process online by visiting the federal loan website at (www.studentloans.gov).

Various alternative loan programs are available from private lenders to help students with educational expenses throughout the academic year. Most of these loans are credit based and may require a co-signer depending on credit history. A variety of alternative loan options are available in the Financial Aid Office and on the website (https://www.rio.edu/affordability-aid/financial-aid/loans). Please contact the Financial Aid Office (phone: 740-245-7218, e-mail: finaid@rio.edu) to apply for an alternative loan or if additional information is required.

Finalized financial aid will be disbursed to the student's account after the drop/add period each term. Students must have completed and submitted all necessary paperwork required by the Financial Aid Office before financial aid will be credited to the student's account. Balances owed after financial aid is applied to the student's account are the responsibility of the student.

## Special Circumstances

A student may be eligible to apply for a Special Circumstance if a student or family member experiences one or more of the following situations:

- Loss of income due to unemployment
- Disability
- Natural disaster
- Loss or reduction of untaxed income
- Separation or divorce
- Death of a parent or spouse
- Sibling private school tuition paid
- One-time lump sum payment

A change of circumstance may change a student's financial aid eligibility. The granting of Special Circumstance is based solely on the professional judgement of the Financial Aid office. The Financial Aid office reserves the right to approve or reject any application for Special Circumstance. Contact the Financial Aid office for more information.

## Standards of Academic Progress Policy

Federal regulations require the University of Rio Grande and Rio Grande Community College to establish and apply reasonable standards of satisfactory progress for the purpose of the receipt of financial assistance under the programs authorized by Title IV of the Higher Education Act. The law requires institutions to develop policies regarding Satisfactory Academic Progress (SAP). Each institution must design criteria, which outlines the definition of student progress towards a degree and the consequences to the student if progress is not achieved. Rio Grande students who wish to be considered for financial aid must maintain satisfactory progress in their selected course of study as set forth in this policy.

## Satisfactory Academic Policy

Any student receiving financial assistance who does not meet the satisfactory academic progress requirements during a review at the end of each semester will receive an E-mail notification of **Suspension**. Institutional, Federal, and/ or State financial aid will **not** be applied while a student is on Financial Aid Suspension. The student is responsible for ensuring that the grade point average and hours-earned data submitted by the Office of the Registrar is both accurate and complete.

## Standards of Academic Progress

An undergraduate student is considered to have made satisfactory academic progress for maintaining financial aid eligibility in a course of study if the following schedule is maintained:

| Total Credit Hours Attempted | Cumulative GPA Required | Minimum Completion Percentage |
|---|---|---|
| 1-15 | 1.50 | 65% |
| 16-31 | 1.80 | 65% |
| 32-52 | 1.90 | 70% |
| 53 - Graduation | 2.00 | 70% |

**Grade notations counted in attempted for completion rate:**

- **Successful completion** means a student has received a minimum grade of an **A, B, C, D, P, or S**.
- Grades of **F, DF, NF, NW, U, NG, I (Incomplete), or W (Withdraw)** are not considered completed courses.
- **Courses not included in the calculation of completion rate for SAP** are courses which the student takes as an audit (Spring 2020 exceptions listed below).
- **Transfer credits** appearing on a student's transcript are counted as attempted hours to determine completion rate.

***Hours attempted includes all hours pursued, earned, dropped and failed. All of these hours are counted as attempted even if the student did not receive aid.**

***Spring 2020 Only: Courses dropped after March 5, 2020, as a result of COVID-19 will not count as attempted or completed. These grades are designated on the transcript as "IC".**

***Spring 2020 Only: Courses with a grade of "I" (Incomplete) as a result of COVID-19 related circumstances will not count as attempted or completed.**

## Maximum Time Frame

A student may receive financial assistance for a certificate or degree program at a maximum of 150% of the required semester hours. Remedial courses will count toward the 150% of the semester hours to complete the program of study (major).

## Treatment of Special Coursework

- **Transfer Credits**: Transfer credits appearing on the URG transcript are counted for completion rate and maximum timeframe.
- **Remedial Coursework**: Undergraduate students can take up to 30 hours of remedial coursework, and these hours are considered in the calculation based on the SAP grade notations previously listed
- **Consortium Agreements**: Coursework taken at other institutions via consortium agreements are assigned "Academic Affairs" courses, will be assigned grades, and will be counted for completion rate and max timeframe
- **"I" GRADES**: An "I" (incomplete) will be considered an "F" until a letter grade is assigned in its place. It is the student's responsibility to notify the Financial Aid Office of the grade change. (Spring 2020 exceptions listed above)
- **SEEKING ADDITIONAL DEGREE PROGRAMS**- Title IV federal financial aid is generally awarded to undergraduate students for the completion of one degree. Students who are seeking an **additional degree** may do so at the student's own expense. However, if the student has just-cause that validates his/her decision to seek an additional degree, the student may **appeal** to the Financial Aid Office to request federal aid for an additional degree/certificate. Students may only appeal **once** to receive aid for an **additional** degree/certificate program.
- **REPEATED COURSES**-Repeated courses which were previously failed are counted in hours pursued and, if successfully completed, hours earned.

## SAP Statuses:

- **Eligible**: Meeting all requirements for SAP
- **Suspension**: Assigned to students who fail to meet the required GPA and/or completion rate at the time of their annual SAP review. Students on suspension are not eligible to receive Title IV aid.
- **Probation**: Assigned to students who regain financial aid eligibility due to an appeal and who can reasonably be expected to meet SAP standards by the end of the subsequent payment period. Probation is also assigned to students who regain eligibility due to an appeal. These students will be provided a GPA and completion rate goal that will let them know what is required of them to be making progress at the next review.
- **Warning**: Students who do not meet the Completion Rate or Minimum GPA required will be on one semester warning period. If the Completion Rate and/or GPA is still below the SAP requirements after the warning period, then the student's financial aid will be suspended.
- **Nearing Max Timeframe**: Status assigned to students who are within 30 credits of reaching their maximum timeframe.
- **Maximum Timeframe Suspension**: Assigned to students who meet or exceed their maximum attempted hours. Students on suspension for maximum timeframe are not eligible to receive SAP affected aid.

## Warning and Probationary Status

- Probationary and warning students will be advised to enroll in a Focus on Success LA10303 course, which is designed for "at-risk" students to help develop a strategy towards becoming a successful college student.

## Regaining Eligibility

- Students who are suspended due to GPA or completion rate remain ineligible for SAP affected aid until both their GPA and completion rate are at or above the minimum levels. Ineligible students continue to be monitored annually, and will be returned to "Eligible" if they are able to meet all standards at the time of a review.
- Students who self-correct during a term that SAP is not reviewed can be returned to "Eligible" only if they self-report.
- Students can also have their aid reinstated upon an approval of a SAP appeal.

## Change of Program

Students who change their program of study (majors) or enter a new program will be eligible for Financial Aid as long as they have not reached their maximum time frame.

## Right of Appeal

If a student has experienced an extenuating circumstance that prevented them from satisfying the requirements of the Standards of Academic Progress (SAP), they may appeal that decision to the Financial Aid Office. The appeal must be submitted in writing to the Director of Financial Aid. The appeal requires details that explain how the extenuating circumstances prevented the student from meeting the SAP requirements. The student must specifically state for which terms and academic years they experienced this extenuating circumstance, not just the past academic year.

*Such circumstances may include serious illness, documented medical condition, death of an immediate family member, call to active military duty, and other extraordinary situations such as natural disasters.

The student must ensure that **date-specific supporting documentation is attached to the appeal request.** Letters from parents and family members are not acceptable; if this is the only information available, the student should meet with a Financial Aid Advisor to determine what is acceptable.

This documentation will be maintained in the student's file. Examples of acceptable documentation include but are not limited to:

1. A letter from a physician or counselor on letterhead paper (not a prescription form).
2. Copy of a death certificate, obituary, or Mass card.
3. Accident reports, police reports, court records, etc.

**NOTE:** Do not submit original documentation as part of this appeal; make sure to provide legible copies.

If the student's appeal is in response to having **attempted excess hours over 150% of the program's standard hours,** the student will need to submit the SAP Appeal for maximum time frame. Students will need to complete a new appeal each year as long as he or she is continuing in the same degree/major.

**NOTE:** Classes needed for the current degree plan are the only ones eligible for financial assistance.

If the student is unable to provide the above information, he or she should meet with a Financial Aid Advisor. The advisor will determine whether a requirement may be waived, or determine if additional documentation is required. The Director of Financial Aid and a Financial Aid Advisor will review the appeal. The appeal will be done as expeditiously as possible, but within approximately 15 business days. The results will be e-mailed via the student's Rio Grande account. The appeal decision is final, and no secondary appeal process is available.

Appeal deadlines will be posted on the Rio Grande Financial Aid webpage. The Standards of Academic Progress and Maximum Time Frame appeal forms with instructions are posted online under financial aid forms, or students may request the forms through the financial aid office during normal business hours.

## Types of SAP Appeals

- **SAP Appeal for Additional Maximum Time Frame Hours Only** – to be used by students who have reached their maximum timeframe ONLY due to changing majors, having multiple majors, having a large number of transfer hours or having a previous bachelor's degree.
- **Satisfactory Academic Progress Appeal** – to be used by students who are not meeting the minimum GPA and/or completion rate set forth by Rio Grande, and as a result have lost their financial aid eligibility.

## Appeal Requirements

- **SAP appeal for Maximum Time Frame**
    - A letter of appeal must address (a) why the student has been unable to complete your program within the maximum number of credit hours allowed **AND** (b) the student's current program of study and career goal(s).
    - Complete the table provided with the appeal form that shows the courses the student has left to take and when the student plans to take the required courses for the degree.
    - **Students who plan to appeal must be ACCEPTED into a program of study or taking classes that**

**ARE REQUIRED FOR THE DECLARED DEGREE.**

- **Satisfactory Academic Progress Appeal**
  - A letter of appeal must address and provide documentation of the **extenuating circumstance** leading to the failure to meet the required standards.
    - Only appeals that document the following reasons will be considered
      1. Personal illness or injury
      2. Death of an immediate family member
      3. Other extreme situation that is out of the students control
  - Appeals will NOT be approved more than twice.
  - Special consideration will be given to students who have been away from Rio Grande longer than three academic years.
  - **Appeals stating the cause of suspension as related to lack of transportation or one term of self-pay are no longer considered a valid reason to appeal.**
  - Appeal deadlines will be set before the beginning of each semester by the Financial Aid Office, and are posted on the Financial Aid Office Website Calendar.
  - An appeal form is required to be completed and submitted along with the letter of appeal to the Director of Financial Aid.
  - A SAP committee comprised of staff from other departments related to student services will review all SAP appeals, and make recommendations on the approval or denial of a student's SAP appeal.

## Approved Appeals

- Students who successfully appeal their suspension due to GPA or completion rate will be monitored and required to meet the standards outlined in the SAP approval letter by the next review. These students will be provided with specific term requirements for completion rate and GPA to give them an understanding of minimum performance requirements to remain within standards by the next SAP review. Students are required to complete EVERY course successfully with a letter grade of "C" or better.
- Students who successfully appeal their suspension due to GPA or completion rate and can reasonably be expected to meet SAP standards by the end of the subsequent payment period are placed on probation for one term.
- Students who successfully appeal their suspension due to maximum timeframe will be given additional hours to complete their program, and will be assigned "Eligible" status. Only those courses required for program completion will be covered by financial aid.

## Re-establishing Satisfactory Academic Progress

After financial aid has been suspended, students may re-establish satisfactory academic progress by the following methods:

- Attend classes at their own expense to improve hours and/or semester grade point average to meet the required academic standards.
- Students may also file an SAP appeal form and required documentation to the Financial Aid Office by a specific deadline listed on the Financial Aid website.

## Return of Unearned Title IV Funds Policy

The Higher Education Amendments of 1998 imposed regulations for the University and its students. **Effective September 26, 2000, students receiving Federal Title IV aid who completely withdraw from classes prior to the 61% point of the term may be required to repay funds to the program(s) from which such funds were received.** This includes withdrawing from all courses after completing an accelerated session (such as a first 8-week session).

Title IV aid programs include: Federal Pell Grant, Federal Supplemental Educational Opportunity Grant (SEOG), Stafford Subsidized, Unsubsidized, and Parent PLUS Loans. Please refer to our website at https://www.rio.edu/financial-aid/ for more information.

# STUDENT AFFAIRS

Student Affairs, Rhodes Student Center, PO Box 500
Rio Grande, OH 45674
740-245-7350 office

## Mission Statement

The Office of Student Affairs provides the University community with programs and services in support of academic mission, that assist and empower students to achieve their highest educational potential. Student Affairs works closely with faculty, staff, students, and the community to create a stimulating and inclusive educational environment that is conducive to the holistic growth and development of students. Student Affairs promotes excellence through collaborative services, which strive to be responsive, caring, and personal. This commitment to students initiates prior to entrance, sustains through matriculation, and continues beyond graduation.

## Residential Living

On-campus living offers a wide range of experiences for all students. At Rio, you can become part of our residential communities and build lifelong connections with fellow students. First year housing includes Holzer Hall, for males, and Davis Hall, for females. Upperclassmen reside in Wellness Hall. Gender-inclusive housing is also available. Our residential communities are governed by undergraduate Resident Assistants, with each building supervised by a Head Resident Assistant. The Residence Life staff assist in the daily life of our students.

The Total Living plan includes both room and board. Our residence halls include standard amenities such as a furnished double occupancy room, high-speed internet access, free on-site laundry, and a communal lounge area perfect for gathering with friends. Room upgrades, such as single rooms, are also available for students who prefer private lodging. Our meal plans include up to 19 meals per week in our all-you-can-eat dining facility, “The Marketplace”.

The Director of Residence Life and Student Engagement is located in James A. Rhodes Student Center. Office Phone 740-245-7033. Email housing@rio.edu.

## Campus Government

The Student Senate is the primary student governing body. The president, vice-president, secretary, and senators are elected by the student body. The Senate makes recommendations regarding student needs on campus, and participates in campus government through service on committees.

## Student Judiciary

The Student Judiciary is a formal hearing body elected by the students, consisting of one chief justice, four associate justices, and two alternate justices. The Judiciary hears appeals resulting from a disciplinary sanction imposed from a violation of the Community Code, as set forth in the Student Handbook.

## Student Engagement

The University of Rio Grande offers a variety of opportunities for students to be involved in campus life. Numerous recreational, educational and cultural activities are offered throughout the academic year to accommodate the diverse interests of our students. The office supports over 20 recognized student organizations focused on personal and professional development, shared interests, community service and religious affiliation. Each of our organizations compliment the mission of the University by promoting successful lives and responsible citizenship.

## All-Greek Council

The All-Greek Council is a co-educational coordinating and governing body composed of representatives from each of the fraternities and sororities.

## Health Services

The Office of Health Services is a free medical clinic available to all students. It is located in the James A. Rhodes Student Center, and is operated under the direction of a Registered Nurse. Health Services is open from 8:00 a.m. to 12:00 p.m. and 1:00 p.m. to 5:00 p.m. each weekday for basic treatment of illnesses and injuries. Students requiring more extensive medical care are referred to physicians or specialists at area medical facilities. Students and their families are responsible for the cost

of special or extensive medical care. Health Services requires that each student complete a confidential medical history form. Other requirements may include proof of updated immunizations and childhood diseases, as well as a current tuberculin skin test. Some majors, international students, and those participating in intercollegiate athletics, may be subject to additional medical requirements.

## Insurance

Personal health insurance for health or medical problems, non-sports related injuries, dental visits, and eye exams are the responsibility of the students.

## Mental Health Services

A professional counselor is available on campus for students with personal or emotional issues such as family conflicts, relationship issues, stress management, self-defeating thoughts or behaviors, etc. Should any student require interpersonal counseling, he or she is encouraged to immediately contact Student Affairs, at campus extension 7350 to schedule an appointment with a licensed counselor from Hopewell Health Centers, a local community mental health agency. This is a free service available to all students. Confidentiality will be strictly maintained for individuals and groups seeking counseling assistance at all times.

## Student Success Center and Student Success Coaches

The Student Success Center is a one-stop shop where students can seek guidance in their academic and personal lives. The dedicated professionals in this center go the extra mile to ensure every student at Rio feels a sense of belonging, and is supported and challenged to strive for their dreams and goals. Academic advising is an educational process that facilitates students' understanding of the meaning and purpose of higher education. It fosters intellectual and personal development toward academic success and lifelong learning (NACADA, 2004). The center is rooted in Appreciative Advising, and seeks to foster collaborative relationships with students, faculty, and staff by helping students create sustainable plans for lifelong success.

Through this framework, we identify students' personal and academic strengths to empower them to identify, optimize, and strive for success in all areas of their lives. The dedicated professionals in this center are known as student success coaches. Students are assigned to their Student Success Coach by their major, and should plan to meet at least once per semester.

- Haley Diltz (hdiltz@rio.edu – Education, Social Work, and Psychology majors
- Max Huston (mhuston@rio.edu) – Business & Technical Majors
- Marcus Illingworth (millingworth@rio.edu) – Arts & Sciences Major, Undecided Students
- Lucia Jones (ljones@rio.edu) - Health majors with last name A-J
- Terri Walters (twalters@rio.edu) –Health majors with last name K-Z

## Testing Services

The Testing Center is located in the Bob Evans Farm Hall. It is a Pearson Vue Select site, but other exams are administered as well, including placement tests, ACT (American College Testing), CLEP (College Level Examination Test), Scantron, Kryterion, Prov, Parapro, NHA (National Health Association) distance learning, accommodation, and classroom make-up tests. If you have any questions regarding testing services, call 740-245-7004. Other test publications are available upon request.

## Career Services

The Career Services Office exists for the following purposes:

- To assist the individual; be it a student, graduate, or alumni, in identifying his/her career goals.
- To increase and enhance the skills and marketability of each individual.
- To facilitate and present each individual to desirable career opportunities.
- To assist each individual in securing reliable employment.

The Office oversees the planning and coordination of a comprehensive range of services and activities beneficial to job-seekers and employers, while collaborating with other administrative and academic personnel toward the success of these programs.

Services and events include:

- A comprehensive career development program beginning the student's first term of enrollment

- Personality and skills assessment toward major and career selections
- Interview, resume, and etiquette enhancement
- Management and expansion of job-placement networks
- Assistance in seeking acceptance and admission to graduate school

The Career Services Office is located in Rhodes Center, Room 116.

## Motor Vehicles

Students may operate and park a motor vehicle on parking lots provided the vehicle complies with insurance and license requirements in the registering state; the vehicle is registered through the University and displays the appropriate parking permit; and the owner and/or operator observe(s) all published University motor vehicle regulations provided by the Campus Police Department.

## Campus Police

The University of Rio Grande Campus Police is organized under chapter 1713.50 of the Ohio Revised Code. Officer(s) are on duty 24 hours a day, seven days per week. Campus officers are certified by the Ohio Peace Officer Training Council, are armed, and have the same powers of arrest as a deputy sheriff. Campus Police jurisdiction includes all University grounds and buildings including all streets, roads, and highways that border campus property. Other local law enforcement agencies that also have full or partial law enforcement jurisdiction on the University of Rio Grande campus include the Rio Grande Village Police, Gallia County Sheriff's Office, and the Ohio State Highway Patrol.

The University of Rio Grande Campus Police is compliant in the federal right to know requirements contained in the Campus Security Act of 1990 and the Jeanne Clery Act of 1998. For additional information about Campus Police, visit the University's main web site at www.rio.edu and click on the Campus Police tab.

It remains the goal of the Campus Police Department to provide a safe and secure environment that fosters the student learning process, while enhancing the quality of life for all who attend the University of Rio Grande.

For all on-campus emergencies including fire, emergency medical, and police, dial 911. To contact campus police for non-emergencies, call 740-245-7286.

## Rio*NET*

The University and Community College provide every student access to computers, the campus network and the Internet throughout campus, via both wired and wireless connections. Rio*NET* user accounts are created immediately upon admission and enrollment into courses. Use of campus technology is governed by an institutional Acceptable Use Policy. Rio*NET* user accounts require activation by changing default passwords into private secure passwords. Passwords may be changed from any Rio*NET* connected computer or online. Rio*NET* user accounts provide access to student e-mail and several instructional technology services. Specific information on Rio*NET* services are provided at New Student Orientation, Gateway to Success Course training sessions, and through online documentation.

Printed information is distributed to campus offices including the Jenkins Center, Campus Police, and the Campus Computing & Networking Office located in Moulton Hall.

## Student|Space

StudentSpace is the student portal used to register for classes, view grades, obtain your bill, and accept financial aid. StudentSpace can be found online at https://www.rio.edu/studentspace/ or by going to www.rio.edu, clicking on "*myrio*" on the red toolbar, and clicking the StudentSpace button. You can log into StudentSpace using your Student ID. Your password, if not previously changed, will be the last 4 digits of your social security number. Each semester, professors post grades in StudentSpace, enabling students immediate online access to their records.

## Veterans

Veterans/Reservists enrolling at University of Rio Grande / Rio Grande Community College and planning to apply for Veterans Administration educational benefits must submit a copy of his/her DD214 Form, Certificate of Release or Discharge from active duty, or DD2384, Certificate of Eligibility, as well as any kicker contracts, to the Veterans School Certifying Official located in Florence Evans Hall. All veterans/reservists are required to complete the necessary Veterans administration forms in order to obtain educational benefits, and must complete an Intent of Enrollment at the beginning of each semester. Veterans must be enrolled in a degree program in order to receive benefits. Students who have a parent or

spouse who is 100% disabled, deceased, or a P.O.W. from a service-connected incident may also be eligible for educational benefits.

To check eligibility and obtain related information, students may contact the Veterans Affairs Regional Office by calling the toll-free number (1-888-442-4551) or search the GI Bill web site. www.gibill.va.gov

## Veterans Education Benefits: Tuition Assistance Policy

**Tuition Assistance and Approved Programs**
The Tuition Assistance (TA) program provides financial assistance for voluntary off-duty education programs in support of a soldier's professional and personal self-development goals. TA is available for courses that are offered in the classroom or through distance learning, and is part of an approved academic degree or certificate program. TA may not be used for a lower or lateral certificate program or degree from the one the soldier currently possesses. In addition to degrees, TA is available to soldiers to complete a high school diploma and certificate programs. TA is not authorized for programs of study beyond a master's degree.

The Montgomery GI Bill – Active Duty and Post 9/11 GI Bill benefits can only be paid toward courses when both the school and program are approved for VA benefits. One can determine if a school and program are approved by:

- Visiting the GI Bill Comparison Tool
- Visiting the Public Web Enabled Approval Management System
- Contacting your school's School Certifying Official
    - Chad Curley, Director of Financial Aid and VA School Certifying Official
    - 740-245-7278 or ccurley@rio.edu

The University of Rio Grande/Rio Grande Community College (Rio Grande) is committed to providing quality service and guidance to the Servicemembers/Soldiers of the U.S. Armed Forces. When a servicemember/soldier applies to Rio Grande or expresses interest in attending the institution, they are directed to speak with the Veterans Administration (VA) School Certifying Official (SCO) prior to enrollment.

Through discussion with the servicemember/soldier and, as appropriate, a review of the servicemember's/soldier's documentation, the SCO will determine whether the servicemember/soldier is a veteran or an active duty member. Prior to enrollment, the SCO will direct the servicemember/soldier to receive approval to participate in the TA program from their Educational Services Officer (ESO) or counselor within the Military Service Branch.

The SCO receives initial training and is required to maintain ongoing annual training through the VA to ensure they provide Servicemember/Soldier with the accurate and up to date information regarding educational benefits.

**How does Department of Defense Tuition Assistance work with the post 9/11 GI bill benefit?**
If both the institution and program are approved, the servicemember/soldier should contact the institution's SCO, notify them you are receiving TA, and have them certify your enrollment. The SCO will reduce the tuition and fees they report to the VA by the amount received from the military service TA program. The VA will then issue any remaining tuition, fees, and book stipends due. These payments will follow normal Post 9/11 GI Bill rules and entitlement. For more information on how entitlements are charged, please visit http://www.va.gov/education/about-gi-bill-benefits/how-to-use-benefits/tutor-assistance/

**Tuition Assistance Rates/Fees**
The Department of Defense (DoD) has directed a uniform per semester hour cap of $250 for TA, and an annual ceiling of $4,500. The services are authorized to establish service-specific eligibility criteria to manage TA funds. To apply for Tuition Assistance benefits, servicemembers will need to contact and apply through their branch of service.

## Organizations

*Alpha Chi Nu (Archon)* fosters and maintains a fraternal spirit among its members, encourages scholastic achievement, and inculcates those principles of truth, justice, chivalry and culture which contribute to the development of upstanding character. Membership is invitation-only, and is open to all male students of the University of Rio Grande.

*Alpha Mu Beta* exists to create a meaningful and long-lasting union among its members, stimulate all forms of scholastic achievement, and cultivate an appreciation of the higher social and moral values in life. Membership is invitation-only and is open to all female members of the University of Rio Grande.

*American Marketing Association* exists to foster scientific study and research in the field of marketing. Membership is open to students of any major who are interested in marketing.

*Bass Fishing Club* encourages camaraderie, sportsmanship, integrity, conservation, and development of the skills and knowledge required to be successful anglers, by competing with other schools in Cabela's Collegiate Bass Fishing, Fishing League Worldwide and Bass Anglers Sportsman Society fishing tournaments and additional contests on a local and regional basis. Membership is open to any student in good standing with the University of Rio Grande.

*Delta Theta* exists to develop and maintain sisterhood among the women of the University of Rio Grande, to promote scholarship, and to serve the campus and community of the University of Rio Grande. Membership is invitation-only and is open to female students of the University of Rio Grande.

*The Gaming Organization*'s mission is to promote the expansion of the gaming community as well as networking between gamers. Game genres include, but are not limited to: console games, PC games, board games, card games, role-play games, and miniatures. Membership is open to all students of the University of Rio Grande.

*Lambda Nu* is a national honor society dedicated to the radiologic and imaging sciences. The purpose of the Ohio Zeta Chapter is to foster academic scholarship, promote research and investigation in the radiologic and imaging sciences, and recognize exemplary scholarship. Membership is limited to qualifying students.

*LGBTQIA Club* advocates for issues of importance to the Lesbian, Gay, Bisexual, Transgender, Pansexual, Gender Fluid, Queer and Asexual community, as well as other gender/sexuality minorities. Additionally, we welcome those who are questioning their sexuality or gender, or simply want to support the LGBT community (Allies). We offer a fun and friendly community for LGBT fellowship, educational resources, Safe Zone Training, fundraising for charity, event hosting, and the support of LGBT visibility throughout Southern Ohio.

*Medical Math & Science Club* is a social group on campus that does not require any scholastic proficiency for membership. The club exists to aid members with developing mathematical skills, to aid members interested in medical school, veterinary school and other professional schools, and to provide a friendly forum for those with interests in math and science.

*Phi Theta Kappa Honor Society* recognizes the academic achievement of college students, providing opportunities for them to grow as scholars and leaders. Membership is invitation-only and is limited to students who have completed at least 12 semester hours with a GPA of 3.5 or higher.

*Psychology Club* encourages, promotes and builds a greater understanding of the field of psychology throughout the student body, University and community. Psychology Club frequently hosts meetings, student activities, and community service work throughout the academic year. Membership is open to any student with an interest in psychology.

*Rio Grande Veterans Organization* exists to serve as an advocate and comprehensive support apparatus for student Veterans and their families by providing information, networking opportunities, and guidance to aid in intellectual and professional success.

*Social Work Student Council* provides a stimulant to scholastic achievement, helping students to become actively involved in voluntary social work, serve as a voice to the wants and needs of social work majors, and promotes fellowship among social work students.

*Student Senate* works to assure that proper representation is given to all students at Rio Grande. Consisting of representatives from each academic area, Senate meets regularly during the academic year to address issues facing campus. All meetings are open to current students.

*University of Rio Grande Student Chapter of the Wildlife Society* is a professional organization of wildlife professionals and students who are interested in conservation. Our organization's mission is to inspire, empower, and enable wildlife professionals to sustain wildlife populations and habitats through science-based management and conservation. The Wildlife Society enhances our members' networking and learning opportunities, professional and career development, and provides numerous ways for them to get more involved in creating a better future for wildlife and their habitats.

*Zeta Theta Chi* stands for sisterhood, individuality, and celebrating the unique qualities of each member. They are each their own but they also stand as one. Members love to have fun while strengthening their bonds of sisterhood together.

They help better the community through community services, campus events, and being available wherever they're needed. Membership is invitation-only and is open to all female members of the University of Rio Grande.

### Other Activities:

#### Athletics

Men's intercollegiate competition is available in basketball, baseball, cross-country, track, soccer, wrestling, golf, rugby, volleyball and bowling. Women's intercollegiate competition is available in basketball, cross-country, soccer, softball, track, volleyball, golf, rugby and bowling. Rio Grande also sponsors the following coeducational sports: cheerleading and eSports. Member: National Association of Intercollegiate Athletics (men and women), River States Conference (men and women), and Mid-South Conference (wrestling and men's volleyball).

#### *Intramurals*

Intramural programs, such as touch football, basketball, volleyball, sand volleyball, softball, racquetball, paintball, and a variety of board and Internet competitions, are organized for student participation. Flexibility is incorporated into the program, permitting participation of students with interests extending beyond the normal range of athletic offerings.

In addition, various faiths are encouraged to form religious groups on campus, and to sponsor religious activities for their members.

## ACADEMIC PROGRAMS, REGISTRAR, AND SERVICES

URG Office of Academic Affairs, Bob Evans Farms Hall, PO Box 500, Rio Grande, OH 45674
740-245-7215 office; 740-245-7154 fax; email: academicaffairs@rio.edu

### Mission Statement

The mission of the Office of Academic Affairs is to create and support an environment that advances the institutional mission of providing educational, personal growth, and economic development opportunities. Academic Affairs is committed to:

- Encouraging the development and enhancement of integrity, morally and ethically responsible behavior, respect for diversity, and service learning among students and employees.
- Nurturing basic professional values such as a hard work ethic, basic honesty, self-discipline, perseverance, interpersonal cooperation, and social responsibility among students and employees.
- Providing equal opportunity for students and employees, regardless of age, gender, religious background, ethnic or cultural heritage.
- Providing opportunities for any student with special needs to receive an education equal to that of any other student.
- Offering courses though distance learning at the certificate, and undergraduate levels.
- Providing opportunities for students, employees, and members of the communities served by the institutions to be engaged intellectually, aesthetically, socially, and physically outside the classroom setting.
- Maintaining a highly motivated and academically qualified faculty dedicated to excellence in teaching, advising, and personal attention.

Academic policies for the University of Rio Grande and Rio Grande Community College are formulated by the Academic Policy Committee and recommended by the Committee to the URG and/or RGCC Board of Trustees for approval. The Committee also serves as the appellate body for exceptions to academic policy.

### Academic Programs

### College of Arts and Sciences

The mission of the College of Arts and Sciences is to provide liberal arts courses in the areas of humanities and social sciences, specific competencies and skills related to mathematics and sciences, as well as offering various career programs related to the disciplines within each school. The two schools within the College of Arts & Sciences are: Bunce School of Education & Liberal Arts, and the School of Natural & Social Sciences. In accordance with the mission statement, the College is responsible for offering the majority of courses required by the General Education Program, with many included in the Ohio Transfer 36.  many included in the Ohio Transfer 36. These courses provide students with a coherent academic foundation, equipping them with the knowledge, skills, and competencies needed for success in a rapidly changing world.

A broad range of degree options is obtainable from each of these schools. Both baccalaureate and associate degrees exist, along with a wealth of minors and certificate programs. Please refer to each particular school's section in this Catalog for the specific degrees and programs that abound.

## Bunce School of Education

Athletic Coaching Leadership- M. Ed.
Career-Technical Teaching – AAS, Certificate
K-12 Intervention Specialist--BS
Licensure areas of: Middle Childhood (Language Arts, Math, Social Studies, and Science)
Licensure areas of: Adolescent to Young Adult (Language Arts, Math, Social Studies)
Prekindergarten--AAS
Primary Pre-K-Grade 5/Primary Pre-K-Grade 5 Intervention Specialist Dual Licensure--BS
Primary Pre-K-Grade 5/Intervention Specialist (K-12) Dual Licensure—BS
Sensory Impairment Education – Minor
Visual Arts – BFA, AA, Minor

## School of Liberal Arts and Social Sciences

English – AA, Minor
History – BS, AA, Minor
Neuroscience - BTS
Political Science – AA, Minor
Professional Communications- BS, AA, Minor
Psychology – BS, AA, Minor
Social Work – BSW
Social Services – AA

## School of Natural Sciences and Mathematics

Biochemistry-BS
Biology –BS General Track, AS, Minor
Chemistry – AS
Environmental Science – BS Comprehensive, AS, Minor
Mathematics – BS, AS, Minor
Wildlife Conservation – BS

## College of Professional and Technical Studies

## Holzer School of Nursing

Nursing Technology-AAS
RN-BSN Program –BSN
MSN – Adult Gerontology Clinical Nurse Specialist

## School of Allied Health and Exercise Studies

Applied Health Care Administration – 2 + 2 BTS
Diagnostic Medical Sonography – BS, AAS (General or Cardiovascular)
Medical Assisting - AAS
Medical Coding & Billing – Certificate
Public Health - BTS
Radiologic Technology – AAS
Respiratory Therapy – AAS
Sports and Exercise Studies- AS, BS

## Emerson E. Evans School of Business

Business Management – BS, AAB, Minor
Accounting – Professional Certificate, Minor
Banking – Professional Certificate, Minor
Certified Financial Planning- Professional Certificate, Minor

Healthcare Administration – Professional Certificate, Minor
Information Technology – Professional Certificate, Minor
Marketing – Professional Certificate, Minor
Small Business Management – Certificate

## School of Technologies

Computer Science – BS, Minor
Cyber Security - ATS
Industrial Automation and Maintenance – ATS
Industrial Machinery – ATS
Industrial Technology-BSIT
Information Technology: Network Systems – AAS
Information Technology: Programming and Software Development – AAS
Meat Science - ATS
Pre-Engineering – ATS
Welding – ATS, Certificate

## Definitions

- **Individualized Majors and Minors:** Unique degree programs for those students whose plans and needs differ from all established degree programs. Programs are individually designed through existing coursework.
- **Comprehensive:** B.S. or B.A. major requiring no minor field of concentration.
- **Minor:** Second concentration required for most B.S. degrees.
- **Licensure:** Licensed teaching areas pre-school through grade 12.
- **Certification:** Academic and non-academic recognition for completing a prescribed group of courses in a specific discipline such as Information Technology.

## Common Abbreviations:

A.A.: Associate of Arts
A.S.: Associate of Science
A.A.S.: Associate of Applied Science
A.A.B.: Associate of Applied Business
A.T.S.: Associate of Technical Study
B.A.: Bachelor of Arts
B.S.: Bachelor of Science
B.S.I.T.: Bachelor of Science Degree in Industrial Technology (2+2 Program)
B.S.N.: Bachelor of Science in Nursing for Registered Nurses (R.N. – B.S.N. Program, 2+2 program)
B.S.W.: Bachelor of Social Work
B.F.A.: Bachelor of Fine Arts
B.T.S.: Bachelor of Technical Studies
M.Ed.: Master of Education
M.S.N.: Master of Science in Nursing

The following letter-code abbreviations for division disciplines are used in the degree outlines, course descriptions, and throughout the Catalog:

| | |
|---|---|
| ACC | Accounting |
| ACL | Athletic Coaching Leadership |
| AG | Agriculture |
| AHC | Allied Health Careers |
| ATH | Anthropology |
| ART | Art |
| BIO | Biology |
| BM | Business Management |
| CHM | Chemistry |
| COM | Communication |
| CS | Computer Science |
| DMS | Diagnostic Medical Sonography |
| ECO | Economics |
| EDT | Education in Classroom Teaching |
| EDU | Education: Licensure |
| ELE | Electronics Technology |
| EMS | Emergency Medical Services (Paramedic Training) |
| ENG | English |
| ESL | English as a Second Language |
| FIN | Finance |
| FPA | Fine and Performing Arts |

| | |
|---|---|
| HIS | History |
| HON | Honors |
| HPE | Health and Physical Education |
| HUM | Humanities |
| IND | Industrial Technology |
| IT | Information Technology |
| JRN | Journalism |
| LA | Liberal Arts |
| MA | Medical Assisting |
| MFG | Manufacturing Technology |
| MIC | Multiple Intelligence Core |
| MKT | Marketing |
| MTH | Mathematics |
| NSC | Natural Science |
| NUR | Nursing |
| OT | Office Technology |
| PH | Public Health |
| PHR | Philosophy and Religion |
| PHT | Pharmacy Technician |
| PHY | Physics |
| POL | Political Science |
| PSY | Psychology |
| RAD | Radiologic Technology |
| RCP | Respiratory Therapy |
| SOC | Sociology |
| SPA | Spanish |
| SSC | Social Science |
| SWK | Social Work |
| TEC | Technology |
| THR | Theatre |

NOTE: Associate degree candidates must complete a General Education Program and an area of concentration for the Associate of Arts or Associate of Science Degree or the prescribed program for an associate degree in a technical area (AAS, AAB, and ATS Degrees). Baccalaureate degree candidates must complete the General Education Program and at least one of the following: (1) a major and minor program, (2) a comprehensive major, or (3) one approved teacher licensure major.

## Academic Policies

### Statement of Academic Integrity

As educational institutions, the University of Rio Grande and Rio Grande Community College seek to nurture a high standard of academic honesty and integrity in students, faculty, and staff. Rio expects all persons to present and represent their own original work, and to fully and properly credit sources of information used in the preparation of their own original work.

### Academic Integrity Policy

It is the responsibility of each student to familiarize themselves with Rio's academic integrity standards, along with the course syllabus; as claims of ignorance, unintentional error, or the demands of academic work do not excuse violations. Examples of some common violations include **but are not limited to**:

- **Plagiarism**: To take ideas, writings, sayings, etc. from another person or source and pass them off as one's own.
- **Cheating**: To behave dishonestly on an assignment or examination. Rio considers using materials, study notes, information, etc., when completing academic work without permission to be cheating. Some examples include:
    - copying another student's work, with or without the other person's knowledge;
    - without permission, using a textbook, smart phone, tablet, or other means to access information during an assignment, test, quiz, exam, or project;
    - knowingly viewing a test, quiz, exam or other assessment before the test is administered, and communicating with others during a test, quiz, exam or other assessment to gain information to improve one's grade;
    - having someone else complete an assignment or write a paper on your behalf.
- **Academic Misconduct**: Tampering with grades or obtaining and/or distributing any part of a test or examination. Some examples include:
    - Obtaining a copy of a test, examination or other assessment without authorization before the test, examination or other assessment is administered;
    - Distributing a copy of a test, examination or other assessment, either for money or for free, before the test, examination or other assessment is administered;
    - Changing a grade or grades in a grade book, on a computer, or on an assignment;
    - Continuing to complete a test, examination or other assessment without authorization after the allotted time.
- **Duplicate submission**: Submitting the same paper in two or more different classes without permission of the instructors.
- **Facilitating Academic Dishonesty**: Knowingly allowing another person to take work you have done and pass it off as his or her own.

- **Fabrication**: Inventing or misrepresenting information. For example, listing sources in works cited you did not use in your paper or, in the Sciences, creating or altering data.
- **Impersonation**: To represent oneself as someone else for the purpose of fraud. In an online or hybrid course, impersonation can occur if someone other than the student completes assigned work on behalf of the student. This could also occur in a face-to-face or hybrid setting.
- **Collusion or unauthorized collaboration**: When a student working on an assignment on which they should work alone enlists help from another student, students, or other persons to complete the assignment.

Any person committing an act of plagiarism, cheating, impersonation, unauthorized collaboration, or other form of academic dishonesty is subject to the fullest measure of consequences, up to and including course failure and suspension. Repeated violations will subject the student to failing grades for all courses in that term and immediate academic suspension for not less than twelve (12) months (see Repeated Violations Procedure below). Failing grades assigned because of academic dishonesty are not eligible for forgiveness under the Academic Forgiveness Policy. Students suspended for repeatedly violating the Academic Integrity policy will forfeit all tuition, room/board, and fees paid.

## Academic Integrity Procedure

When a faculty member believes a student has committed a violation of the Academic Integrity Policy, he/she will initiate the Academic Integrity Procedure as outlined below. All parties must continue following the procedure timeline as described, even if the alleged violation occurs toward or at the end of a term. If a student or others necessary to complete the process are off campus during this time, the process may be completed using MS Teams or another program to facilitate discussion at a distance. If necessary, the faculty member may assign the student an "Incomplete," but only if all the parties potentially necessary to complete the procedure are unavailable.

To begin the procedure, the faculty member will email the students' name and ID number to the academic dean of their college, indicating that the student has allegedly violated the Academic Integrity policy. The dean will then review Rio's Academic Integrity records to determine whether the student has a record of academic dishonesty (see Repeated Violations Procedure below). The faculty member must do so within three (3) academic days after becoming aware of the alleged violation.

Upon checking the Academic Integrity records and within three (3) academic days of receiving it, the dean will reply to the faculty member's email to report whether the student has any past history of Academic Integrity issues.

After receiving and considering the dean's response and within five (5) academic days, the faculty member will discuss both the evidence and the Academic Integrity Policy and Procedure with the student (making sure to inform her/him of their right to appeal if found he/she violated the policy), and allow the student a chance to respond. For online/hybrid courses, this discussion should occur via Rio Grande email.

- If, after discussing the issue with the student, the faculty member believes the student did NOT violate the Academic Integrity Policy, then the issue is closed and the faculty member will inform her/his dean via email.
- If the student admits to violating the Academic Integrity policy, the faculty member must contact his/her dean to discuss an appropriate sanction. Once a sanction or sanctions is/are determined, the faculty member will discuss it/them with the student, and the dean will update the Academic Integrity records.
- If the student denies the allegation and the faculty member believes the student did violate the Academic Integrity Policy, then the faculty member will immediately email all evidence and a brief summary of how he/she alleges the student violated the policy to the academic dean of her/his college.

Within five (5) academic days of receiving the faculty member's email, the dean will attempt to meet separately with both the faculty member and the student to discuss the issue.

- If the academic dean determines the evidence does not adequately support the charges against the student, then she/he shall so notify both the faculty member and the student via email.
- If the academic dean determines the evidence adequately supports the charge against the student, then the dean must email the faculty member and discuss with him/her an appropriate sanction including one or more from those listed below.

Possible sanctions may include (but not be limited to):

1. Requiring the student to revise and resubmit the work;
2. Requiring the student to retake the quiz, test, or exam;
3. Requiring the student to write an additional paper or take an additional exam; and/or
4. Lowering the grade for the paper or exam (including to a failing grade) without opportunity to regain the lost credit.
5. Assigning the student a failing grade for the course designated as DF (academic dishonesty failure). There is no opportunity to remove a grade of DF from the academic record.
6. Other appropriate sanction agreed upon by the faculty member and dean.

Within the same five (5) academic days, the dean will email the student, instructor, and the Office of the Registrar of her/his decision and, if ruling against the student, include the agreed upon sanction.

If either the student or the faculty member is not satisfied with the dean's decision, then within five (5) academic days of the dean's decision, the student or the faculty member may appeal the dean's decision to the Vice President for Academic Affairs, and request him/her to convene an Academic Integrity Panel. This may be done via email.

**Academic Integrity Panel:**

A. The Academic Integrity Panel will consist of voting members as follows: one (1) faculty member from each School, elected to the current Academic Policy Committee, the Vice President of the Student Senate or an elected delegate, and a justice of the senate judiciary. The Vice President for Academic Affairs, or his/her designee, will inform both parties of the makeup of the panel no later than five (5) academic days before the hearing.
    - If either party feels that a particular School's representative may be biased, then he/she may ask, by two (2) academic days before the hearing, that the School's other representative be used instead.
    - If both parties contest both of a School's representatives, then the Vice President for Academic Affairs shall choose another representative from the School. The chair will only vote in the event of a tie.

B. The Academic Integrity Panel must meet within ten (10) academic days of the request.

C. Both the student and the faculty member may submit evidence, records of previous meetings, and/or other documentation that supports their case to the Academic Integrity panel members for consideration. To do so, they must email all evidence to the dean of the college a minimum of two (2) academic days before the panel is scheduled to meet. The dean will immediately forward all submitted documentation and additional evidence to all panel members.

    - If either the student or faculty member chooses not to or fails to submit evidence, the Academic Integrity Panel will take that into consideration and has the right to decide in favor of the party who submitted evidence.

D. The student and faculty member may appear before the Panel to present their case.

E. The Academic Integrity Panel shall issue a written decision within ten (10) academic days of the meeting and send copies to the student, faculty member, the dean, and the Office of the Registrar.

F. The dean will update the Academic Integrity records, and the Office of the Registrar's staff will place a copy of the panel's decision in the student's file.

G. The Academic Integrity Panel's decision is final. There is no secondary level of appeal.

Throughout this process, the student may remain in the course as though the alleged violation did not occur until either he/she accepts the sanction from the faculty member and dean or, if the student appeals the dean's decision, the case is decided by an Academic Integrity Panel.

## Repeated Violations Procedure

Repeated Violation is defined as occurring two (2) or more times during a student's tenure at Rio, regardless of whether the violations occurred over multiple semesters or multiple times during one semester.

If the Dean finds that the student has repeatedly violated the Academic Integrity Policy, they will notify the faculty member and the Provost/Vice President for Academic Affairs (VPAA) within three (3) academic days. After receiving notification from the Dean, the Provost/VPAA will contact the student to let them know they have been accused of violating the policy multiple times and allow the student to discuss the issue. The VPAA will then determine if the evidence for the most recent infraction warrants immediate suspension or if the student should be allowed to appeal the decision to the Academic Integrity Panel. The 12-month suspension period will begin on the date of the infraction.

## Faculty Advisor

Academic advising is an educational process that facilitates students' understanding of the meaning and purpose of higher education. It fosters intellectual and personal success development toward academic success and lifelong learning (NACADA, 2004). One of the biggest predictors of student success is the depth of connection a student maintains with their higher education institution (Astin,1984). Toward that goal, Rio Grande provides each student with a Student Success Coach and a Faculty Advisor.

## Degree Audit

Students entering their planned year of graduation (with a minimum of 30 hours for associate programs, or with a minimum of 90 hours for baccalaureate programs) should seek an official degree audit from the Office of the Registrar to ensure all requirements will be completed in time to meet the student's planned date of graduation. Interim evaluations should be developed by the student with the assistance of the faculty advisor. Completion of degree requirements is the responsibility of the student.

## Academic Load

Students should progress toward program completion at a rate commensurate with ability. Entering students with exceptionally high credentials may petition to exceed the semester hour limit (18 hours).

An average semester course load of sixteen (16) completed credit hours generally will enable a student to complete a program as scheduled. Students who have changed programs or who are seeking additional certifications or programs may require longer than average time. Students who have completed twelve (12) hours the previous semester may enroll for a credit load based on their cumulative grade point average (GPA) in the following schedule:

A. Up to and including 24 semester hours with a cumulative GPA above 3.00.
B. Up to and including 21 semester hours with a cumulative GPA above 2.50.
C. Up to and including 18 semester hours with a cumulative GPA above 2.00.

**NOTE:** Exceptions to the above requirements must be approved by the student's advisor and appropriate Academic Dean.

## Academic Credit

## Credit on Transfer

The student must transfer all coursework, not including failures, appearing on a transcript from a regionally accredited institution of higher education. Transfer work in the area of the major or minor program or teacher education with a grade of "D" can be applied toward degree requirements only with the approval of the particular department chairperson. However, the grades, as recorded on those transcripts, are transferred and included in the student's grade point average. The student must finalize transfer credit prior to the end of the first term of enrollment at the University of Rio Grande and Rio Grande Community College. For example, a student would be exempted from taking the LA 10001 Gateway to Success class with 20 earned semester hours and 2.0 GPA from another institution.

## Credit from Degree Granting Institutions

Transfer Credit Practices, published by the American Association of Collegiate Registrars and Admissions Officers, will be used as a guide in the evaluation of transfer credit from degree-granting institutions.

## Credit from an Associate Degree

Persons holding an associate degree from a regionally accredited institution must transfer their total work. Such students would be required to complete all requirements of the program for which they register. In some instances, the time to complete a program may exceed normal time expectations depending upon the relationship of the selected program with the earned associate degree.

## Credit from Military Service

Four semester hours of physical education credit will be recorded based on validation (DD214) of regular active duty military service of at least 181 consecutive days. For veterans having qualified at some time for VA educational benefits, such credit will constitute the minimum physical education requirements for activity courses. Also, credit may be awarded as a result of military training programs and will be awarded on the basis of the recommendations provided by the American Council on Education. For students qualified for VA educational benefits, all applicable military credit will be applied to the University of Rio Grande and Rio Grande Community College transcript. VA students must finalize credit during the first thirty (30) days of enrollment.

## Credit from External Testing Programs

Credit is awarded for achievement of certain minimum scores on the College Level Examination Program. Licensed Practical Nurses applying for the Advanced Placement Track Program are required to take the HESI SP PN-ADN and for admission into the traditional ADN Program, the HESI A2 is required.

## Life Experience Credit

Rio acknowledges the value of experiential learning in many areas. Learning from experience, whether from university-sponsored experiences or work experiences outside the classroom, can be a means of learning.

In order to provide the highest quality education, the Prior Learning Assessment Program is based on the CAEL (Council for Adult & Experiential Learning) Standards for Assessing Learning. Please contact the Admissions Office at 740-245-7208 for further information.

***NOTE:** Social work accreditation standards does not allow social work course credit for life experience or previous work experience.

## Proficiency Credit by Examination

A formally admitted student may request a test for proficiency credit for courses required in the student's program but representing some duplication of the student's previous experiences. Application forms are available in the Academic Affairs Office. The application must be presented for action to the dean of the appropriate college, outlining the student's previous experiences that provide the student with competencies related to the course. Courses successfully completed by examination will receive a grade of "K." An examination fee and a credit recording fee are required.

## Vocational Articulation Credit

Credit may be awarded for certain foundation courses required in technology programs to students graduating from any Ohio high school. Some of the basic skills required in various technologies can be learned effectively in high school, and where the student can present proper evidence that such has occurred, the University may award recognition credit, waiving the repetition of similar coursework. Typical skill areas that may be considered are typing, machine shop, drafting, and welding. The credit awards are not automatic, but must be requested by the student. The student must also arrange for his/her high school to verify the skill proficiency, and it is recommended that this be done immediately upon graduation from high school. The student should request details of the requirements and proper procedure for obtaining credit from the University or the School of Engineering Technologies. Such credit will be recorded with a grade of "K."

## Foreign Language Transfer Credit

To receive credits in a foreign language from an institution other than the University of Rio Grande or Rio Grande Community College, a student may transfer credits at the appropriate level or validate his/her level of proficiency by passing a nationally recognized examination under the "Proficiency Credit" Policy, as outlined above. Under certain circumstances, students may be required to complete a course selected from SPA 23803/33803 or SPA 38801-03. Native speakers of other languages may receive credit for a foreign language by demonstrating the equivalent level of proficiency in English.

## Individualized Degree Program

An Individualized Degree Program is available for students whose plans and needs appear to differ from all established degree programs. The student must be able to justify to the Office of the Provost that the need for such a program exists. Application forms are available in the Office of the Provost. The dean of the college where the major is housed appoints a faculty committee who submits it to the Academic Policy Committee for approval. After a program is approved, the student must complete at least fifteen (15) hours for the Associate Degree and thirty (30) hours for the Bachelor Degree, without

exemption. Credit hours completed during the semester in which the application is approved will count toward the completion of the subsequent (15 or 30 credit hours) coursework. Upon completion of the approved program, the student is eligible for graduation. The designation of "Individualized Degree" will be noted on the student's transcript. The title of this degree may not duplicate an existing major.

## Attendance Policy

Students are expected to attend classes and are accountable for work missed as a result of absence from class for any reason. Failure to attend classes may result in a loss of financial aid funding. (See: Non-Attendance Policy)

A class attendance policy is the prerogative of each instructor in each class. The instructor should make known the class attendance policy and course expectations at the beginning of each course. Meeting expectations becomes the individual responsibility of each student.

## Excused Absence Policy

The University considers certain class absences to be officially excused. Excused absences are given for official University-sponsored activities which may include: class field trips, athletic and academic competitions, concert performances, conference attendance, and guest presentations. It is the student's responsibility to inform his/her instructor prior to the event that he/she is taking the excused absence.

Rehearsals, practices, intramural events, and other personal/ social activities **are not** included as excused absences.

Personal or family illness and emergencies must be presented separately to each instructor.

An excused absence **does not** excuse the student from learning course material, from submitting required assignments on time, or from fulfilling other course requirements.

Normally, students will not be penalized for excused absences and will be allowed to make up any missed quizzes or tests. However, the specific nature of some classes or labs may make attendance and active student participation an absolute requirement. Examples include:

- Classes for which a state or accrediting agency requires a minimum number of hours of supervised instruction.
- Seminars with frequent student discussions.
- Labs with specific procedures or experiments that cannot be made up.

A student with too many excused absences from this type of class may need to withdraw and retake the course at a later time.

A student who believes that his or her rights under this policy have been violated may appeal through the University Academic Grievance process.

## Forgiveness Policy

Any student who has not been enrolled at Rio for at least two academic years may petition the Registrar to have certain courses and grades disregarded. To disregard means that the designated grades and credits earned will be omitted from the GPA calculation, but the courses will remain on the transcript. The student has the right to select the course(s) to be disregarded. If a course is required for a particular program and has been disregarded through this policy, the student must repeat the course.

The student will be permitted to use the Forgiveness Policy only once. The new GPA will be used for determining eligibility and/or probation for acceptance into a program, and for further calculations of the student's GPA. Implementation of the policy includes the following prerequisites:

A. The student must be currently enrolled at the University of Rio Grande.
B. The student must have completed at least twelve (12) hours of coursework toward a declared major since returning to the University, and must be in good standing with a minimum 2.5 GPA.
C. This policy is applicable only for credit earned at the University of Rio Grande.
D. A course in which a student has received a failing grade due to an act of academic dishonestly is not eligible for forgiveness.
E. A notification of the application of this policy will be noted on the student's transcript.

## Grading Policy

The student assumes responsibility for the course syllabus within the term he or she is enrolled. It is the professional responsibility of the faculty to evaluate achievement and assign grades. **No one other than the faculty member responsible for the course taught may assign or change a grade, unless they follow grievance policy.**

Many courses are graded on an **A, A-, B+, B, B-, C+, C, C-, D+, D, D-,F, DF, NF** basis. Some courses are also graded on an **S, U** basis. A temporary grade of **I** (incomplete) may be assigned, at the discretion of the instructor, when a student has not completed all requirements for a course at the end of the grade period.

A temporary grade of **I** (incomplete) assigned to a required course in the nursing program must be removed within the first week of the following semester in order for the nursing student to continue enrollment in the School of Nursing.

Incomplete (I) grades will only be granted for extenuating circumstances such as illness, accident, etc., which will prevent the student from completing the course. An incomplete grade cannot be given to avoid a failing grade in the course. Appropriate documentation (i.e. medical) must accompany the Incomplete Grade Request form. The student must have completed at least 75% of the course with a passing grade when requesting an incomplete. The student must request an incomplete from the instructor. It is the responsibility of the student to make up incomplete work. The instructor must complete the Incomplete Grade Request form and submit the form to the Registrar's Office. Refer to the Incomplete Grade Request form for the complete policy.

Incomplete grades must be resolved within eight (8) weeks of the end of the term in which the incomplete was issued. A one term extension can be granted if the student files a request form ( obtained from the Registrar's Office) with the faculty member, and the faculty member signs and submits it to the Registrar's Office. Any additional extension must be approved by the Provost. Special requests and appeals pertaining to incomplete grades may be made to the Academic Policy Committee.

No grade may be changed by a faculty member after it has been submitted to the Registrar's Office, unless he or she can demonstrate a grading error. The faculty member must file a form, available from the Registrar's Office, giving the basis for the error and assign the new grade. The Registrar's Office does not routinely notify students of grade changes.

A student wishing to take a credit course with the **S** or **U** option must make the decision with the professor in writing during the first five (5) business days of the term in which the course is taken. The grade of **S** or **U** is reserved for elective courses, HPE 10101, and the activity courses. An application form, available from the Registrar's Office, must be completed by the student and returned, and will be on file in the Registrar's Office so that the **S** or **U** notation is identified on the 15th day roster.

All grades awarded are recorded on the student's permanent academic record. Grades of **S, I, IC, K, P, AU NG**, **W, and NW** are not calculated in grade point averages (G.P.A.). The G.P.A. for each semester is computed on all other grades received during a semester.

## Repeat Grade Policy

Letter grades followed by an "*" on a Rio transcript represent a repeated course. For courses that are repeated, the most recent grade will be used to compute the cumulative GPA. Courses that are duplicated during the repeat process can be applied toward graduation requirements only once. If there is a question concerning a repeated transferred course grade, the course must be an equivalent course that must meet the approval of the dean of the college from where the course originated.

## Grading Scale

| Grade | Description | Point Value |
|---|---|---|
| A | (96-100) Excellent | 4.00 |
| A- | (90-95) | 3.70 |
| B+ | (87-89) | 3.30 |
| B | (83-86) Good | 3.00 |
| B- | (80-82) | 2.70 |
| C+ | (77-79) | 2.30 |
| C | (73-76) Average | 2.00 |
| C- | (70-72) | 1.70 |

| | | |
|---|---|---|
| D+ | (67-69) | 1.30 |
| D | (63-66) Poor (below average) | 1.00 |
| D- | (60-62) | 0.7 |
| F | (0-59) Failing (far below average) | .0 |
| P | Pass; credit | 0 |
| S | Satisfactory; credit | 0 |
| U | Unsatisfactory; no credit | 0 |
| I | Incomplete | 0 |
| K | Credit by Proficiency Exam, Life Experience, External Testing, Transfer, Vocational Articulation, Advanced Standing | 0 |
| IC | Incomplete Credit; no credit | 0 |
| DF | Academic Dishonesty-Failed | 0 |
| AU | Audit | 0 |
| NG | No grade (assigned by Registrar) | 0 |
| W | Withdrawal | 0 |
| NF | Student stopped attending | 0 |
| NW | Failed to attend a class but attended others | 0 |

**NOTE:** With approval from the Dean of the College in which the program is taught, individual departments may utilize a grading scale that departs slightly from this Grading Scale. Students should check with their faculty or School Chair to determine the grading scale used in their program.

## COVID-19 Grading Changes

Due to the COVID-19 pandemic, URG switched to a Pass/Incomplete grading system for the Spring 2020 semester. A passing grade of "P" (credit) was assigned if you had an equivalence of at least a "D-" or higher on the regular grading scale. A grade of "IC" (no credit) was assigned if you received an "F" on the regular grading scale. Students were given the option to request traditional letter grades on a course-by-course basis.

## Academic Probation and Suspension

Academic probation is determined by comparing the student's cumulative grade point average with the total cumulative (graded) hours. Satisfactory progress is maintained by meeting or exceeding the levels indicated in the following table:

| Cum. Hrs. | 1-15 | 16-31 | 32-52 | 53-Graduation |
|---|---|---|---|---|
| Cum. G.P.A. | 1.50 | 1.80 | 1.90 | 2.00 |

Students who fail to meet or exceed these standards will be placed on "Academic Probation." Students placed on "Academic Probation" are subject to "Academic Suspension" at the end of their next term of attendance. A student may be removed from probation only by meeting or exceeding the appropriate cumulative grade point average indicated in the standards above. A student will be continued on probation by maintaining a semester grade point average of at least 2.25; the student will continue on probation until the cumulative grade point average reaches the appropriate level for the cumulative hours as shown in the table above.

Students on "Academic Probation" remove themselves from that category by meeting or exceeding the appropriate G.P.A. standards on the table above. Students on "Academic Probation" who are not demonstrating academic progress are subject to "Academic Suspension," and upon suspension are not eligible for re-admission until the lapse of at least one 15-week semester, excluding summer semesters. If re-admission is granted, students are re-admitted on "Academic Probation" and must meet the appropriate standards above. "Academic Suspension" and "Academic Probation" are academic actions permanently recorded on the student's record.

Students placed on "Academic Suspension" for the first time have the right of appeal. Students must complete the application form for student appeal of "Academic Suspension." The completed form must be received by the dean of the college in which the student majors by 10:00 a.m. on the last day of registration prior to classes beginning following the term of suspension for fall semester, and by the end of the third week following the close of the spring semester. Suspensions rescinded are so noted on the student's permanent record.

A student who has successfully appealed an academic suspension will automatically be suspended with no appeal if a

semester G.P.A. of 2.25 is not achieved in the semester for which academic suspension was rescinded.

Whether or not a student appeals his/her first suspension, the second suspension cannot be appealed. Academic actions are not taken in summer sessions.

***Due to COVID-19, Academic Probation & Suspension were suspended for the Spring 2020 semester.**

## Course by Arrangement

A student may petition for a course by arrangement. The application form is available in the Academic Affairs Office. A course by arrangement may be approved only if the course requested is not included in the regular semester course offerings, and only for a sound and sufficient reason. A course by arrangement is not a substitute for attending the course at its regularly scheduled time or solely as a convenience to the student. An additional fee is charged.

## Class Standing

Generally, a student will be classified on the following basis: (Some associate degrees require more than 64 semester hours, but the student shall still be classified as a sophomore while pursuing the associate degree.)

Freshman ..... 0 through 30 credit hours
Sophomore (see 64-hour rule below)..... 31 through 60 credit hours
Junior ..... 61 through 90 credit hours
Senior ..... 91 credit hours and above

## 64-Hour Rule

Students are eligible for Community College rates for 100 or 200 level courses while pursuing Associate of Applied Science, Associate of Applied Business, Associate of Technical Study, or Associate of Arts degrees. Students pursuing Bachelor degrees are not eligible for Community College rates once 64 credit hours have been earned, or once they have enrolled in 300 or 400 level courses.

## Dean's Honor List – Graduation Honors

The Dean's Honor List is designed to recognize those students who achieve outstanding academic success. The students whose names appear on the Dean's List have earned a 3.75 or higher grade point average for all work taken during the previous term. For consideration, a student must have been enrolled for a minimum of twelve (12) credit hours and must have completed all courses for which registered.

Students maintaining a high academic standard throughout their bachelor degree program are recognized at commencement exercises. Students with a cumulative grade point average between 3.50 and 3.74 are recognized as *cum laude*; between 3.75 and 3.89 are recognized as *magna cum laude*; at 3.90 or higher are recognized as *summa cum laude*. Students graduating from associate programs with a cumulative grade point average of 3.50 and higher are recognized as *With Distinction*.

## Merit List

The Merit List is designed to recognize full-time or part-time students, once they accumulate 12 semester hours of earned credit, who have earned a 3.5 – 3.74 grade point average for all work taken during the previous term.

## Graduation Requirements

Minimum credit hour requirements are 60 hours for an associate degree and 120 hours for a bachelor degree. Applied associate degrees generally exceed 64 hours, and may be as high as 73 hours. Most students exceed minimum requirements for graduation. In addition, for the bachelor degree, the student must take at least thirty-three (33) hours at the 30000-40000 level unless exception is made for the program by the Academic Policy Committee. Associate degree candidates must complete the General Education Program, and an area of concentration for the Associate of Arts Degree or the prescribed program for an associate degree in a technical area. For the bachelor degree, students must complete the General Education Program and at least one of the following: (1) a major and minor program, (2) a comprehensive major, or (3) an approved teacher licensure program. Students seeking a degree from the University and Community College must fulfill the following requirements:

A. Declare and complete the prescribed program of studies.
B. Achieve a cumulative grade point average of 2.00 for all courses, for each major, and for each minor. Some programs or

parts of programs may require higher grade point averages for graduation.

C. For an associate degree, a student must be enrolled in the University and the Community College for the last 20 hours and must take at least two courses in the area of concentration. Students seeking the Associate Degree in Nursing must complete all degree requirements within five years of their semester of initial enrollment in the Nursing Program. Students seeking the Bachelor of Science in Nursing Degree must complete all degree requirements within seven (7) years of their semester of initial enrollment in the R.N. – B.S.N. Program.
D. For a transfer student seeking a baccalaureate degree, a minimum of 30 hours must be taken at the University. At least 20 of these hours must be in upper level (30000 and 40000) courses. At least 10 of these 20 upper level course hours must be in the major.
E. Credit earned through experiential learning (i.e., Life Experience Credit) does not count toward the residency requirement for any degree or program.
F. Apply for awarding of degree and for participation in the Commencement upon senior standing.
G. Where any major/minor combination has certain identical course requirements for a baccalaureate degree, then said courses may apply to applicable areas, except the BSW. However, the school(s) involved reserve(s) the right to recommend to the Academic Policy Committee additional/special requirements.

## Residence Requirements

The Residence Requirement for a degree is the minimum number of semester hours a student must take at the University of Rio Grande. The intent of this policy is to provide adequate contact with the University of Rio Grande and its faculty for each student who is awarded a degree. Rio Grande courses taken at off-campus sites or via distance learning meet the intent of this requirement.

A. A candidate for an associate degree must take a minimum of 15 of the last 18 hours and at least two courses in the area of concentration at the University of Rio Grande.
B. A candidate for a bachelor degree must take a minimum of 30 of the last 36 hours at the University of Rio Grande. This requirement also includes at least 18 hours in the major at Rio Grande and 6 hours in the minor, if applicable.
C. A candidate for the master's degree must complete a minimum of 50% of the required coursework registered through the University of Rio Grande. This coursework can be a combination of Internet courses, classroom courses, and/or travel-related courses. The student's assigned advisor will officially confirm that the student has accomplished the "adequate contact" as required by the Residence Requirements.

## Graduation Requirements for Granting a Second BS or BA Degree

The following comprise all the requirements for students to obtain a second BS or BA degree:

A. Students must meet all the requirements for a second major.
B. Students may use the same credit from their General Education courses toward both degrees.
C. The second degree must be in a different area of knowledge. For example, students may earn a degree in business and a second degree in the sciences, etc. In addition, in the area of the liberal arts and social sciences, students may earn a degree in psychology and another in English, or a degree in history and a degree in political science. A second degree cannot be earned, however, in an area of knowledge which is too similar or closely related to the first degree major. What will count or will not count as a "different area of knowledge" suitable for earning a second degree will depend upon the approval of the deans in the relevant disciplinary area.
D. A license (e.g., in education) to an already earned degree (e.g. English) cannot count as a second degree.
E. For those who graduate with a BS or BA from the University of Rio Grande and subsequently return to pursue a second BS or BA, the number of years between graduation and returning to pursue a degree can be no more than seven (7) years.

## Auditing of a Course

The University of Rio Grande and Rio Grande Community College offer individuals the opportunity to take specific courses in an audit format. Courses taken in audit format are not for credit. The charge for RGCC students to audit a course will be the same as the amount of tuition assessed to the course plus course fees. The cost for URG students to audit a course is $65.00 per credit hour. Courses available for audit are based on availability.

## Commencement

Students must apply for graduation with the Office of the Registrar by May 31 for fall and October 31 for spring and summer to ensure all requirements are met. Students are eligible to apply for graduation with 12 or less credit hours left to complete during the summer term. **Exception:** Students completing the BSN program may apply for graduation with 15 or

less credit hours left to complete during the summer term. Students are required to participate in commencement exercises, unless prior written approval is obtained from the Registrar. The Commencement Ceremony is held annually in May. Individual programs may establish additional deadlines related to commencement. The appropriate program section of this Catalog should be consulted.

## Registration Procedures

Time periods are set aside during each semester for students to register for the following semester (see Academic Calendar section of this Catalog). Deadlines for registration and for payment of fees are established each term. Students must meet registration and payment deadlines in order to be enrolled for those terms. Students not completing the registration process prior to these deadlines will be required to pay the "late registration fees." Student financial accounts must be kept current for continued enrollment.

## Schedule Changes (Drop/Add/Withdrawal)

Students may add classes through the first academic week of any fall or spring academic term, and through the first two days of any summer term. Students who drop any class through the first week of any fall or spring academic term (or the first two days of any summer term) will not be charged for the tuition of that class. Once classes have begun, a drop or add fee will be assessed. Any class dropped within the first week will not appear on the student's transcript. Classes dropped after the first week will appear on students' transcripts with a grade of W assigned. Last day to drop a class or withdraw from the university is as follows:

- 16 Week Class – through the end of 14th week
- 10 Week Class – through the end of 8th week
- 8 Week Class – through the 6th week
- 7 Week Class- through the 5th week
- 5 Week Class – through the 3rd week

Students may not withdraw from a course they are failing due to a violation of the Academic Integrity Policy.

**Dropping all classes *does* constitute an official withdrawal from the University.**

It is the responsibility of the student to complete all schedule changes with the Registrar's Office.

Schedule changes may not be completed by a faculty member, by phone, or by proxy.

## Wait List

When students are registering, if a course section is filled, they are advised to put their name on the "Wait List" for that course section. Any person or workgroup with permissions to add courses to a student's Education Plan has the ability to add students to the Wait List. The Wait List will prioritize students in the order they are added.

When a spot in the course becomes available, the first student on the Wait List will be contacted at both their Rio Grande email address and by telephone by the Registrar's Office. The student then has 24 hours to respond to the Registrar for the available spot. If the student is notified on a Friday, s/he will have until the same time on Monday to respond. If the first student declines to be added to the class, the next student on the list will be notified.

The Wait List will be kept by the Registrar's Office, and the student's place on the List will be honored through Friday @ 5:00pm of the Drop-Add week.

## Withdrawal Policy

To withdraw from the University or Community College, the student must obtain an official withdrawal form from the Registrar's Office and fully complete the withdrawal process. The withdrawal process must be completed by every student wishing to terminate his/her **total** class schedule. Withdrawals may not be accomplished by proxy or telephone.

Withdrawing from the University or Community College after the first week for fall and spring semesters and the second day of the summer semester will be recorded on the permanent academic record as withdrawal in each course of the student's schedule. Please refer to the Important Withdrawal Information section for financial responsibility details. The last day to officially withdraw from 16-week classes will be the last day of the fourteenth (14th) week of the semester, and the third (3rd) week of 5-week terms. Students enrolled in ten week terms may withdraw until the last day of the eighth (8th) week and eight week courses may withdraw through the last class day of the sixth (6th) week of the term.

## Policy for Students called to Military Duty

Any University of Rio Grande and Rio Grande Community College student called to military service will not be academically or financially penalized.

Rio Grande will work with currently enrolled students to allow them to take an "I" (Incomplete) if they need to complete course requirements after the end of the term. Students should work with their advisors, faculty members, and Academic Affairs staff in the event they are called away into military service.

If an "incomplete" grade is not an option for a student, Rio Grande will review the academic status of each affected student to gain an administrative withdrawal.

A withdrawal on a student's record will be reviewed by the Financial Aid and Business Offices on a case by case basis to assure that no student called to military duty will be financially penalized as a result of military responsibilities.

## Course Cancellation

The Provost/Vice President for Academic Affairs reserves the right to cancel scheduled classes for which there is excessively low enrollment or other substantial reason.

## Program Changes

The University of Rio Grande and Rio Grande Community College reserve the right to make changes in programs, policies, and fees. Students enrolled in academic programs may expect to complete the courses as specified in the Catalog of the year of their first enrollment if the program is completed within five years, or they may choose to graduate under the Catalog in effect for the year in which they graduate. If the program is not completed within five years, students will meet requirements of the Catalog in effect. Every effort is made to minimize course and program changes. A student cannot combine the graduation requirements of two or more Catalogs.

## Transferring from Rio

The University of Rio Grande is regionally accredited so in general credit should be accepted when transferred; however, receiving institutions make their own determinations regarding acceptance and applicability of credit. **It is a student's responsibility to check the transferability of their Rio credit to a new institution.**

## Transcript Requests

**Unofficial transcripts** are available at no charge; however, a completed request form must be submitted to the Office of the Registrar. The request forms are available at the Reardon One-Stop located in Florence Evans Hall. Students may also access an unofficial transcript through Student Space. Unofficial transcripts **cannot** be emailed.

**Official transcripts:** The University of Rio Grande has partnered with The National Student Clearinghouse to accept transcript orders online. The request for an official transcript can be completed via the following link: http://tsorder.studentclearinghouse.org/school/ficecode/00311600 Any questions regarding transcript requests should be directed to the Office of the Registrar via email at records@rio.edu or via phone – 740-245-7369.

## University Assessment Plan

One principal question of major concern and focus helps guide the University Assessment Program in determining how well students meet the goals and objectives articulated in the University's mission statement:

Are students at the University of Rio Grande acquiring the knowledge and skills needed to become educated citizens and successful professionals within their chosen course of study, in an increasing global society?

To answer this question, the University Assessment Program will continue to implement a variety of assessment activities in the General Education Program and major fields. All students are expected to participate in such activities in order to obtain information as a primary method for the University to further enhance student learning and improve educational programs and instruction.

## Academic Services

## Davis Library and Learning Commons (DLLC)

Davis Library and Learning Commons (DLLC) provides different academic support service by using a community or "commons" model to foster and promote a more unified and user-friendly teaching and learning experience for the Rio Grande campus community. Housed together within the Jeanette Albiez Davis Library, the Jenkins Academic Center with its tutoring and writing assistance services, the Office of Accessibility, the Print Shop, the Office of Publications, and the Campus Computing and Networking (CCN) IT Help Desk work in conjunction with traditional library resources and services to offer a one-stop center where a variety of educational activities can seamlessly transpire. Each of the building's three floors offer engaging spaces for either quiet study or social gathering; individual reflection or group collaborations; and one-on-one assistance or classroom instruction. Computer workstations, printing, copying, scanning, and other technology equipment, resources and services allow for the exploration and creation of knowledge and information. Here are some additional details on some of the key academic support service providers that make up DLLC:

- **The Michael V. and Flora Jenkins Center**
  The Jenkins Academic Center focuses on providing tutoring services, writing assistance, and basic academic skill support to any student enrolled at the University of Rio Grande and Rio Grande Community College at no additional charge.

  Located on DLLC's Ground Floor, the Jenkins Academic Center also houses the DLLC's large open computer lab, which offers several computer workstations equipped with specialized software, printers, and Internet access. In addition to two full time learning support specialists on call to assist students with their academic studies, the Jenkins Academic Center's tutoring program also employs student tutors, and is nationally certified by the College Reading and Learning Association at both Level I/ Regular and Level II/Advanced.

  The Jenkins Academic Center may be reached by email at: jenkinscenter@rio.edu

- **The Office of Accessibility**
  Any student with a qualifying disability who wishes to receive reasonable accommodations for classroom and/or resident life must register and complete the intake process with the Office of Accessibility in order to receive accommodation services.

  The Office of Accessibility offers the following types of accommodations:

  ADA Accommodations - In accordance with the standards set forth by the Americans with Disabilities Act (ADA), reasonable accommodations may be provided to a student who already has an established qualifying disability. This includes any student who was under an IEP and/or 504 plans while in the K12 system. This also includes any student who has recent documentation or verification of an existing qualifying disability and who wishes to receive reasonable accommodations under ADA.

  Conditional Accommodations - When a student has a suspected qualifying disability, conditional accommodations may be requested while the verification or documentation for the qualifying disability is being obtained. Conditional accommodations are valid only for a short time while the verification paperwork is being completed and are offered only at the discretion of the Office of Accessibility. Since conditional accommodations are contingent upon receipt of the verification documents these accommodations may be revoked if the verification is not completed or does not qualify the student for services.

  Temporary Accommodations - For a student experiencing a temporary disabling condition, temporary accommodations may be requested for the time during which the student will be disabled. Temporary accommodations require verification from a provider, are contingent upon the feasibility of applicable use, and are intended to be valid for only a limited time frame.

  ESL Accommodations - For a student who is not a native speaker of English, ESL accommodations may be requested that include accommodations such as additional test taking time, and, depending on the situation, use of a translating device. All ESL related accommodations must be requested and processed through the Office of Accessibility.

Emotional Support Animal (ESA) Accommodations - Emotional Support Animals are allowed on campus as a courtesy, but with restrictions. All requests for ESAs must be approved by housing prior to being approved and processed by the Office of Accessibility. Additional paperwork is required and permission to have an ESA on campus may be revoked at any time in accordance with the ESA agreement that must be signed by the student.

Located on DLLC's Ground Floor in the Academic Support Services' suite, the Office of Accessibility may be reached by phone at 740-245-7366, or through email at: accessibility@rio.edu.

- **Jeanette Albiez Davis Library**
  Davis Library supports Rio Grande's mission and vision by providing access to high-quality resources and services designed to meet the information and research needs of both the campus and larger community.

  Centrally located on Rio Grande's Main Campus, Davis Library maintains a substantial collection of print and nonprint items designed to support Rio Grande's curriculum. This collection includes books, DVDs, magazines, newspapers, both print and electronic journals, full-text research databases, eBooks, and more. The collection is not limited to those individuals associated with the Main Campus and are also available to our students, faculty, and staff working online and/or at each of Rio Grande's Regional Centers.

  As a participant in the United States Federal Depository Library Program (FDLP), Davis Library guarantees public access to its in-house Government Documents holdings as well as free assistance to those seeking government information online. Consequently, we are strongly committed to actively serving our community patron needs in addition to those of our more traditional library users.

  Membership in the Ohio Library and Information Network (OhioLINK), a statewide academic library consortium, gives Rio Grande students, faculty, and staff remote access to a variety of library materials from across the state. OhioLINK's online request and courier delivery system helps to expand the Davis Library's collection. Items found at other libraries are made available for our patrons to borrow, and items found on the Davis Library's shelves are loaned out to patrons from other member institutions. OhioLINK participation also gives Rio Grande students, faculty, and staff 24/7 access to a wealth of electronic scholarly resources and other digital content both on and off-campus.

  Many of Davis Library services and resources are available online. Electronic research guides (LibGuides) are used to help organize and share access to much of the Library's digital content. Research help is available in-person at the Reference Desk located on the building's Main Floor, online via our instant messaging/chat services, or by email at: refdesk@rio.edu. Library assistance is also available by phone at 740- 245-7005 or text at 740-299-2ASK (740-299-2275).

  Several textbooks used for Rio Grande's General Education Program classes are offered for two-hour on-site use loan periods at the Circulation Desk, which is also located on the building's Main Floor. Other items found within the Davis Library's in-house collection can be borrowed at the Circulation Desk as well for longer periods and take-home use. The Circulation Desk is where Course Reserve items and materials requested via OhioLINK, or our traditional Interlibrary Loan (ILL) services can be picked up and checked out too.

  Besides information resources, the Library makes Group Study Rooms available for checkout. These collaborative spaces are located on the building's top floor and can be accessed for free on a first come, first served basis. A photo ID should be presented at the Circulation Desk when signing up to use these spaces. Patrons are expected to keep Group Study Rooms in good condition. Abuse of facilities, equipment, and/or any failure to uphold campus behavior or fire code rules will result in fines and/or disciplinary action.

  DLLC Open Lab computer workstations equipped with printer and Internet access and Microsoft Office® software are found on both the building's main and ground Floors. This equipment is also made freely available to Rio Grande students and other DLLC guests.

  Each semester and for the entire summer, students actively enrolled in classes are provided with 400 free grayscale computer printouts, which are linked to their RioNet accounts. This printing allowance does not rollover from term-to-term. Each time a printout is made using campus equipment or personal devices using Rio Grande's Mobile printing services (print.rio.edu), it is deducted from the student's RioNet account no matter where the item is printed. (Please note that DLLC guests are only eligible for up to twenty free printouts per visit.)

If additional printouts are needed, they can be purchased using cash from the Circulation Desk at five cents ($0.05) per printed page or with a credit card from the Business Office located next door to the DLLC in Florence Evans Hall. Purchased printouts will rollover to the next term and will be added to the 400 free grayscale computer printout allowance at the start of each semester or summer classes. (Please note that color prints, photocopies, and Print Shop services are not included in or applicable to the 400 free grayscale computer printout allowance.)

Free Wi-Fi service is offered throughout the building for those wishing to connect with the Internet using their own devices. Technology assistance and troubleshooting is available from the Campus Computing and Networking (CCN) IT Help Desk, which shares space with the Davis Library's Reference Desk on the building's Main Floor.

For complete details, visit the Davis Library's Website at: library.rio.edu.

- **IT Help Desk**
  Sharing space with the Reference Desk on DLLC's Main Floor, the Campus Computing and Networking (CCN) IT Help Desk provides Rio Grande students, faculty and staff with a centralized point of contact for technical support services.

  Whether the problem is email, your RioNet account, or another technical issue, the IT Help Desk is available to assist with support and troubleshooting, and expert consulting or referral for advanced questions.

  The IT Help Desk may be reached by phone at 740-245-7463, and is staffed Monday-Friday from 8 a.m. to 5 p.m. for walk-up services. After hours assistance is also available by email at: support@rio.edu

- **Print Shop**
  Located on the DLLC's Ground Floor, the Print Shop serves both the campus and wider community by providing a full range of printing and production services.

  If color prints, large orders of multiple copies, binding, lamination, or specialize publications such as posters, banners, fliers, brochures, etc. are needed, the Print Shop works with individuals or departments to complete those projects. Payment for Print Shop services can be set up to bill individuals, businesses, campus or local organizations, and/or campus departments.

  For more details, visit: https://www.rio.edu/print-shop/.

- **Office of Publications**
  Also located on the building's ground floor is the Office of Publications, which is available to assist the members of the campus community with their graphic or publication design needs.

  The Office of Publications helps to ensure that any materials promoting Rio Grande related activities, logos, or brand adequately represent the institution.

## Instructional Design and Media Services

Instructional Design and Media Services (IDMS), located in Wood Hall, 127, assists with projects requiring enhanced communication, alternative instructional methods, and other specialized media needs. Serving faculty, staff, students, and campus/community organizations, the IDMS provides access to instructional media equipment and materials, provides a center for the local production of audiovisual materials, conducts training in A-V production and utilization for teacher trainees, and maintains an inventory of all campus A-V equipment. The IDMS maintains a satellite reception and distribution system which is connected via closed circuit to the academic buildings on campus, including the Wood Hall auditorium, with its 160-seat capacity and projections television system. The IDMS is also the home of RGCA, the campus television/radio system wired into the village cable system. RGCA carries a bulletin board for all informational and non-profit messages on Channel 5, while simulcasting campus radio or local commercial stations. The IDMS also maintains the fiber-optic interactive television system, offering instruction to local schools. The IDMS maintains membership in the Adult Learning Satellite System and the Kent State film library. During the most recent evaluation by the Ohio Department of Education in 1992, the IDMS received a commendation that stated the IMC, "…exemplifies a state-of-the-art facility that offers media programs for the students, staff, and community which enhances the entire educational program."

# HONORS PROGRAM

**Dr. Kay-Anne Darlington, Chair**
Wood Hall 217
P: 740-245-7489
E: kdarlington@rio.edu

## Mission Statement

The Rio Grande Honors Program focuses on engaging, dynamic, and creative learning experiences that enhance a student's academic curriculum as well as develop leadership, critical thinking, and communication skills. The program attracts a wide range of students who positively impact their peers, the institution, and the global community.

The Honors Program is not a degree-granting program. It is, however, an academic program that can be taken in conjunction with a student's major curriculum. Students who successfully complete the Honors curriculum in addition to their program curriculum will graduate with the designation of "Honors" on their transcript. The complete Honors Program is a baccalaureate program, but eligible associate degree students are welcome to participate in the seminars and take the Honors general education curriculum as their academic program allows.

## Learning Outcomes

Upon completion of the Rio Grande Honors Program, students will:

- Develop and successfully execute a senior research project.
- Demonstrate strong written communication skills.
- Demonstrate strong verbal communication skills.
- Design learning experiences tailored to individual interests.
- Implement problem-solving techniques to successfully complete projects.
- Critique one's own academic successes and failures through self-reflection.
- Express the value of social and cultural experiences outside the classroom.

## Honors Program Requirements

Students must successfully complete the following requirements prior to graduation to graduate as a Rio Grande Honors Student.

- HON 10001: Welcome to Honors
  - Students must take HON 10001 within the first year they are accepted into the Honors Program. HON 10001 is a one-credit online course.
- HON 20103 Honors Service Learning.
  - This course will be offered every spring semester.
- HON 20101 Honors Seminar
  - Students must complete two separate sections of HON 20101 in two separate semesters.
  - One section of HON 20101 will be offered each fall and spring.
  - Students should enroll in HON 20101 as fits their schedule but prior to their senior year.
  - Travel seminars will be offered at least once every other year.
- HON 40301: Senior Honors Capstone I & HON 40401 Senior Honors Capstone II
  - During senior year, Honors Program students complete a senior project. This project can be anything from a traditional written thesis to a performance piece or a service-learning project.
  - All students will need to take HON 40301: Senior Honors Capstone I in the fall and HON 40401: Senior Honors Capstone II in the spring of the student's senior year.
- Honors Program Contracts
  - Students must complete two Honors Program contracts.
  - These contracts can be for any course of at least three credit hours that students take within their Rio curriculum (general education, major, minor, elective, lower or upper level).
  - The contracts will be developed in coordination with the Honors Directors and the course instructor.
  - It will be the responsibility of the student to reach out to their instructors regarding an Honors contract; it is also the responsibility of the student to have a project in mind prior to reaching out to the instructor.

* A student's required computer skills should be addressed throughout the student's curriculum.

## Program Acceptance Requirements

First-semester Rio students seeking admission into the Honors Program must meet two of the following criteria:

- Upper 10 percent of high school graduating class,
- 3.5 high school GPA, and
- ACT composite score of 25.

Currently enrolled Rio students seeking admission must meet the following criteria:

- 3.25 minimum GPA after completing at least 8 credit hours

Honors students must maintain a GPA of at least 3.25 at all times. Students whose GPA falls below a 3.25 are automatically placed on probation but have until the following semester, not including Summer term, to raise their GPA to at least a 3.25.

# MADOG CENTER FOR WELSH STUDIES

## Welsh Study Abroad Program

The Madog Center for Welsh Studies offers students the opportunity to "foster understanding and appreciation for Welsh heritage and contemporary Welsh culture" through a variety of activities throughout the year. Our focus is an established student exchange program with University of Wales, Trinity Saint David, in Carmarthen, South Wales, where students who qualify can study abroad for the fall semester of their sophomore or junior year and earn credits towards their degree. Students take classes in their major area. Fine Arts classes are taught at Swansea campus. Tuition is paid through the University of Rio Grande, and room & board and activity fees are paid at Trinity. Language is not a barrier in Wales; it is a bilingual country, but all classes are in the medium of English.

The Madog Faculty Fellowship Program offers a stipend to one full-time faculty member each year to original research in the area of Welsh or Welsh-American culture or history.

The Center also schedules other musical events and lectures on and off campus throughout the year. Contact the Madog Center for Welsh Studies, located on the first floor of the Elizabeth Davis House, 740-245-7186, or email welsh@rio.edu.

# GENERAL EDUCATION PROGRAM

URG Office of Academic Affairs, Bob Evans Farms Hall, PO Box 500, Rio Grande, OH 45674
740-245-7215 office; 740-245-7154 fax; email: academicaffairs@rio.edu

## Mission Statement

The General Education program provides liberal arts and science-based awareness, knowledge, and skills as an integral part of students' ongoing learning experience and educational goals. The program offers opportunities for students to become literate, self-directed, committed to excellence, aesthetically aware, and ethically responsible individuals concerned with integrity and respect for people.

## Learning Outcomes

Upon completion of the General Education program, students will be able to accomplish the following:

- Communication: Demonstrate effective communications skills in reading, writing, speaking, and listening. (Skills, literacy).
- Cultural Diversity: Demonstrate a scientific knowledge of human behavior and acknowledge cultural diversity of different peoples of the world. (Liberal arts and science- based knowledge, respect for people, integrity).
- Human Values: Use an understanding of the historical and philosophical development of current cultures to demonstrate respect for human values and perspectives. (Liberal arts, literacy, respect for people).
- Ethical Behavior: Demonstrate understanding of ethical reasoning by constructing arguments on issues of importance of society (Self-directed, ethically responsible, value of integrity, respect for people).
- Technological Literacy: Demonstrate appropriate technological literacy and skills for personal and professional use. (Knowledge and skills, literacy).
- Health & Well-Being: Demonstrate an understanding of behaviors that best promote personal health and psychological well-being. (Ongoing learning experience, self-directed, committed to excellence).
- Aesthetic Awareness: Identify and appreciate artistic expressions from historical, philosophical, and cultural perspectives. (Liberal arts, aesthetic awareness).
- Critical Thinking: Use appropriate critical thinking skills to solve problems. (Literacy, ongoing learning experience).

- Scientific Reasoning: Demonstrate an understanding of the fundamental concepts of mathematics and science, analytical ability, problem-solving capacity, and the use of the scientific method. (Science-based awareness, ongoing learning experience, literacy).

## General Education Requirements

All candidates for the Bachelor of Science degree and the Bachelor of Arts degree, except those seeking teacher licensure and majors in Industrial Technology, are required to complete the General Education Program. All candidates for the Associate of Arts degree are required to complete the General Education Program. Candidates for the degrees in Associate of Applied Business, Associate of Applied Science, and Associate of Technical Study will find general education requirements scheduled within their outlined courses of study. Students seeking teacher licensure will find general education requirements scheduled within their outlined course of study.

It is expected that students will complete the General Education Program in their first four semesters of full-time enrollment. Requirements in Gateway to Success (LA 10001), English Composition, Reading, Mathematics, and Speech should be scheduled as early in the student's program as possible.

In Mathematics and Natural Science, a more advanced-level course may substitute for the specific General Education requirement listed below. Students should select General Education options in the Natural Sciences, Social Sciences, and Humanities with some care. In many cases, the General Education course is a prerequisite to more advanced courses needed for a major, minor, or field of concentration. In other cases, the student will receive credit in the major, minor, or field of concentration for the General Education course, as well as fulfill the requirements for the General Education Program.

## General Education Required Courses:

Communication Skills
COM 11103 Fundamentals of Speech Communication……3
ENG 11103 Composition I ..... 3
ENG 11203 Composition II..... 3
Total Communication Skills hours.....9

NOTE: Admission to English 11103 (Composition I) is determined by placement testing scores. Students without the necessary competencies must enroll in pre-requisite course deemed appropriate. The credits in this course may not be used to meet any part of the General Education Communication Skills requirement.

Health and Physical Education*
HPE 10101 Human Wellness and Physical Fitness ..... 1
Any HPE elective selected from activity courses.....1
Total Health and Physical Education hours.....2

Arts/Humanities required courses
*Group I.*
Select at least one course from:
ART 10303 Art Appreciation
FPA 10503 Fine Arts..... 3

*Group II.*
Select at least one course from:
ENG 24103 Literary Imagination
HUM 20103 The Humanities
PHR 21103 Philosophical Inquiry ..... 3

*Group III.*
Select at least one course from:
HIS 13103 World Civilization I
HIS 13203 World Civilization II .....3
Total Arts/Humanities hours ..... 9

Social Science required courses
*Group I.*
Select at least one course from:
ATH 12103 Anthropology
HIS 12203 American History II (Since 1877)
POL 11103 American National Government .....3

*Group II.*
Select at least one course from:
ECO 11103 Contemporary Economics
PSY 11103 General Psychology
SOC 11103 Introduction to Sociology.....3
Total Social Science hours .....6

Liberal Arts (required of all entering freshmen)
LA 10001 Gateway to Success.....1
Total Liberal Art ..... 1

Mathematics and Natural Science required courses
*Group I. Mathematics*:
Select at least one course from:
MTH 13404 College Algebra*
MTH 21104 Quantitative Reasoning*
MTH 14505 Pre-calculus
MTH 21404 Intro Probability and Statistics
MTH 15105 Calculus 1 ..... 4-5
*Group II. Biology*:
Select at least one course from:

BIO 11004 Plants and People*
BIO 11404 Principles of Biology ..... 4
*Group III. Natural Science:*
Select at least one course from:
CHM 10404 Principles of Chemistry
NSC 22304 Environmental Science
PHY 10404 Principles of Physics.....4
Total Mathematics and Natural Science..... 12-13
Total General Education required hours ..... 39-40

*(Not included in Ohio Transfer 36)

NOTE: In addition to this module, each major program will be required to include within the major an appropriate block of instruction in the use of computer productivity skills. This may be a course within the department, outside the department, or scattered throughout a major program's curriculum.

## OHIO TRANSFER POLICIES

URG Office of Academic Affairs, Bob Evans Farms Hall, PO Box 500, Rio Grande, OH 45674
740-245-7215 office; 740-245-7154 fax

### State Policy Institutional Transfer

The Ohio Department of Higher Education in 1990, following the directive of the 118th Ohio General Assembly, developed the Ohio Articulation and Transfer Policy to facilitate students' ability to transfer credits from one Ohio public college or university to another, in order to avoid duplication of course requirements. A subsequent policy review and recommendations produced by the Articulation and Transfer Advisory Council in 2004, together with mandates from the 125th Ohio General Assembly in the form of Amended Substitute House Bill 95, have prompted improvements of the original policy. Additional legislation from the 125th Ohio General Assembly also initiated the development of a statewide system for articulation agreements amount state institutions of higher education for transfer students pursuing teacher education programs.

While all state-assisted colleges and universities are required to follow the Ohio Articulation and Transfer Policy, independent colleges and universities in Ohio may or may not participate in the transfer policy. Therefore, students interested in transferring to independent institutions are encouraged to check with the college or university of their choice regarding transfer agreements. In support of improved articulation and transfer processes, the Ohio Department of Higher Education has established a transfer clearinghouse to receive, annotate, and convey transcripts among state-assisted colleges and universities. This system is designed to provide standardized information and help colleges and universities reduce undesirable variability in the transfer credit evaluation process.

### Ohio Transfer 36

The Ohio Department of Higher Education's Articulation and Transfer Policy established the Ohio Transfer 36, which is a specific subset of a public higher education institution's general education curriculum in Associate of Arts (AA), Associate of Science (AS), and baccalaureate degree programs. Students in applied associate degree programs may complete some individual Ohio Transfer 36 courses within their degree program or continue beyond the degree program to complete the entire Ohio Transfer 36.

The Ohio Transfer 36 contains 36-40 semester hours of course credit in English composition, (minimum of 3 semester hours) mathematics, statistics and logic (minimum of 3 semester hours); arts and humanities (minimum of 6 semester hours); social and behavioral sciences, (minimum of 6 semester hours); and natural sciences (minimum of 6 semester hours). Oral communication and interdisciplinary areas may be included as additional options. Additional elective hours from among these areas make up the total hours for a completed Ohio Transfer 36. Courses for the Ohio Transfer 36 should be 100- and 200-level general education courses commonly completed in the first two years of a student's course of study. Each state-assisted university, technical and community college is required to establish and maintain an approved Ohio Transfer 36.

Individual Ohio Transfer 36 course(s) or the full module completed at one college or university will automatically meet the requirements of individual Ohio Transfer 36course(s) or the full Ohio Transfer 36 at another college or university once the student is admitted. Students may be required, however, to meet additional general education requirements at the institution to which they transfer. For example, a student who completes the Transfer 36 at Institution S (sending institution) and then transfers to Institution R (receiving institution) is said to have completed the Ohio Transfer 36 portion of Institution R's general education program.

Institution R, however, may have general education courses that go beyond its Transfer 36. State policy initially required

that all courses in the Transfer 36 be completed to receive its benefit in transfer. However, subsequent policy revisions have extended this benefit to the completion of individual Transfer 36 courses on a course-by-course basis.

## Transfer Assurance Guides

Transfer Assurance Guides (TAGs) comprise Transfer 36 courses and additional courses required for an academic major. A TAG is an advising tool used to assist Ohio university and community and technical college students in planning for specific majors, and making course selections that will ensure comparable, compatible, and equivalent learning experiences across the Ohio's public higher-education system. A number of area-specific TAG pathways in meta-majors including the arts, humanities, business, communication, education, health, mathematics, sciences, engineering, engineering technologies, social sciences, and foreign languages have been developed by faculty teams.

TAGs empower students to make informed course selections and plans for their future transfer. Advisors at the institution to which a student wishes to transfer should also be consulted during the transfer process. Students may elect to complete the full TAG, or any subset of courses from the TAG. Because of specific major requirements, early identification of a student's intended major is encouraged.

## Career-Technical Assurance Guides

Collaboration among the Ohio Department of Higher Education, the Ohio Department of Education, and other key stakeholders led to the development of policies and procedures to create statewide career-technical discipline specific articulation agreements. This further ensures that students are completing coursework at an adult or secondary career-technical institution, and can articulate and transfer agreed-upon technical courses/programs to any Ohio public institution of higher education or among Ohio public institutions of higher education "without unnecessary duplication or institutional barriers."

Career-Technical Assurance Guides (CTAGs) are statewide articulation agreements that guarantee the recognition of learning which occurs at public adult and secondary career-technical institutions, and have the opportunity for the award of college credit toward technical courses/programs at any public higher education institution. CTAGs serve as advising tools, identifying the statewide content guarantee and describing other conditions or obligations (e.g., program accreditation or industry credential) associated with the guarantee.

## Military Transfer Assurance Guides

In response to the legislative requirement (Ohio Revised Code 3333.164) to create a military articulation and transfer assurance guide for college-level learning that took place through military training, experience, and coursework, college credit will be granted to students with military training, experience, and/or coursework that is recognized by the American Council on Education (ACE) or a regionally accredited military institution, such as Community College of the Air Force.

In order to streamline the awarding, transferability, and applicability of college credit, service members and veterans are guaranteed to earn certain types of credit(s) or course(s) as specified in the Military Transfer Assurance Guides (MTAGs), which are based on the endorsed baseline standards and procedures by the Chancellor. Equivalent course(s), credits for courses, or block of credit is to be awarded and applied towards general education and/or major course requirements at the receiving institution in accordance with the MTAG guarantee. There is some training, experience, and coursework that the receiving institution may be able to award college credit only toward general or free electives.

In addition, public institutions of higher education shall ensure that appropriate equivalent credit is awarded for military training, experience, and coursework that meet the baseline standards and procedures according to the Ohio Revised Code 3333.164. This requirement goes beyond credit/course awarded based on the MTAG alignment process.

## Apprenticeship Pathway Programs

The Apprenticeship Pathways initiative advocates for individuals completing apprenticeships by incorporating their learning into academic credit, thereby saving them time and money and encouraging them to advance their academic credentials to contribute to a strong, educated workforce.

Ohio apprenticeship programs partner with public two-year institutions to provide technology-specific statewide articulation agreements that recognize non-traditional prior learning. College credit is awarded toward a technical associate degree. Each agreement simplifies student advising by outlining how apprenticeship training in a certain pathway applies to an applied associate degree, and lists remaining courses required to complete the degree. The application of the credit toward a technical associate degree in these agreements is guaranteed at the participating receiving institutions.

## Advanced Placement Credit Award

The State of Ohio, working with public institutions of higher education, has initiated policies to facilitate the ease of transition from high school to college as well as between and among Ohio's public colleges and universities.

Beginning the Fall term 2009:

1. Students obtaining an Advanced Placement (AP) exam score of 3 or above will be awarded the aligned course(s) and credits for the AP exam area(s) successfully completed.
2. General Education courses and credits received will be applied towards graduation, and will satisfy a general education requirement if the course(s) to which the AP area is equivalent fulfills a requirement.
3. If an equivalent course is not available for the AP exam area completed, elective or area credit will be awarded in the appropriate academic discipline and will be applied towards graduation, where such elective credit options exist within the academic major.
4. Additional courses or credits may be available when a score of 4 or 5 is obtained. Award of credit for higher score values varies depending on the institution and academic discipline.

In academic disciplines containing highly dependent sequences (Sciences, Technology, Engineering and Mathematics – STEM) students are strongly advised to confer with the college/university advising staff to ensure they have the appropriate foundation to be successful in advanced coursework within the sequence.

## One-Year Option Credit Award

The One-Year Option builds upon Ohio's articulation and transfer system to help more adults accelerate their preparation for work by earning a technical associate degree. Consistent with the philosophy of the Career-Technical Assurance Guides (CTAGs), the One-Year Option guarantees that college credit will be awarded for college-level learning that occurs through adult programs at public career-technical institutions.

Adults who complete a career-technical education program of study consisting of a minimum of 900 clock-hours and achieve an industry-recognized credential approved by the Chancellor shall receive thirty (30) semester hours of technical course credit toward a standardized Associate of Technical Study Degree (ATS) upon matriculation at a public institution of higher education that confers such a degree. The 30 semester hours will be awarded as a block of credit rather than credit for specific courses. Proportional credit is to be awarded toward the ATS degree for adults who complete a program of study between 600 and 899 clock-hours and achieved an industry-recognized credential approved by the Chancellor.

The credit earned through the One-Year Option will be applied to ATS degrees bearing the following standardized degree titles:

1. Associate of Technical Study in Building and Industrial Technology
2. Associate of Technical Study in Business Technology
3. Associate of Technical Study in Health and Allied Health Technology
4. Associate of Technical Study in Information Technology
5. Associate of Technical Study in Services Technology

## Conditions for Transfer Admission

1. Graduates with associate degrees from Ohio's public institutions of higher education and a completed, approved Ohio Transfer 36 shall be admitted to a public institution of higher education in Ohio, provided their cumulative grade-point average is at least 2.0 for all previous college-level courses. Further, these students shall have admission priority over graduates with an out-of- state associate degree, and other transfer students with transferable and/or articulated college credit.
2. Associate degrees holders who have not completed the Ohio Transfer 36 from an Ohio public institution of higher education will be eligible for preferential consideration for admission as transfer students, as long as the institution's admission criteria, such as the minimum academic standards, space availability, adherence to deadlines, and payment of fees, are fairly and equally applied to all undergraduate students.
3. In order to encourage completion of the baccalaureate degree, students who are not enrolled in or who have not earned an Associate of Arts (AA) or Associate of Science (AS) degree program but have earned 60 semester/90 quarter hours or more of credit toward a baccalaureate degree with a grade point average of at least a 2.0 for all previous college-level courses will be eligible for preferential consideration for admission as transfer students as long as the institution's admission criteria, such as the minimum academic standards, space availability, adherence to deadlines, and payment of fees, are fairly and equally applied to all undergraduate students.
4. Students who have not earned an associate degree or who have not earned 60 semester hours/90 quarter hours of credit with a grade point average of at least a 2.0 for all previous college-level courses will be eligible for admission as

transfer students on a competitive basis.

5. Incoming transfer students admitted to a college or university shall compete for admission to selective programs, majors, and units on an equal basis with students native to the receiving institution.

The admission of transfer students by an institution, however, does not guarantee admission to any majors, minors, or fields of concentration at the institution. Some programs have additional academic and non-academic requirements beyond those for general admission to the institution (e.g., background check, a grade-point average higher than a 2.0, or a grade-point average higher than the average required for admission to the institution). Once admitted, transfer students shall be subject to the same regulations governing applicability of catalog requirements as native students. Furthermore, transfer students shall be accorded the same class standing and other privileges as all other students on the basis of the number of credits earned. All residency requirements must be completed at the receiving institution.

## Responsibilities of Students

To maximize transfer credit application, prospective transfer students must take responsibility for planning their course of study to meet both the academic and non-academic requirements of the institution to which they desire to articulate or transfer as early as possible. The student is responsible to investigate and use the information, advising, and other available resources to develop such a plan. Students should actively seek program, degree, and transfer information; meet with an advisor from both the current and receiving institutions to assist them in preparing a course of study that meets the academic requirements for the program/degree to which they plan to transfer; use the various electronic course/program transfer and applicability database systems, including Ohio Transfer to Degree Guarantee web resources; and select courses/programs at their current institution that satisfy requirements at the receiving institution to maximize the application of transfer credit. Specifically, students should identify early in their collegiate studies an institution and major to which they desire to transfer. Furthermore, students should determine if there are foreign language requirements or any special course requirements that can be met during the freshman or sophomore year. This will enable students to plan and pursue a course of study that will better articulate with the receiving institution's major.

## Appeals Process

Following the evaluation of a student transcript from another institution, the receiving institution shall provide the student with a Statement of Transfer and Articulated Credit Applicability (Degree Audit Report). A student disagreeing with the application of transfer and/or articulated credit by the receiving institution must file his/her appeal in writing within ninety (90) days of receipt of the Statement of Transfer and Articulated Credit Applicability. The institution shall respond to the appeal within thirty (30) days of the receipt of the appeal at each appeal level.

## Student Complaints Following Transfer Appeals at the Receiving Institution

After a student exhausts the appeals process at the receiving institution and chooses to pursue further actions, the Ohio Department of Higher Education (ODHE) responds to formal written complaints related to Ohio Articulation and Transfer Policy against public, independent non-profit, and proprietary institutions of higher education in Ohio. While the ODHE has limited authority over college and university and cannot offer legal advice or initiate civil court cases, staff will review written complaints submitted through its established process, and work with student complainants and institutions.

# ART

**Bunce School of Education**
***College of Arts & Sciences***
Berry Fine and Performing Arts Center
740-245-7364 office; 740-245-7101 fax;

**Mission Statement**
The Bachelor of Fine Arts in Visual Art Program will prepare students for a lifelong vocation or avocation in a variety of visual arts media.

**Bachelor of Fine Arts Learning Outcomes**
Upon completion of the Bachelor of Fine Arts, students will be able to:
- Create a cohesive body of work within the chosen area of concentration.
- Demonstrate formal and technical proficiency in their area of study.
- Exhibit and document their work and experiences professionally.
- Explain the historical, cultural and conceptual aspects of their work.
- Conduct independent research in the arts.

**Associate of Arts Learning Outcomes**
Upon completion of the Associate of Arts, students will be able to:
- Plan and execute their own artwork in a variety of media to a professional level.
- Demonstrate formal and technical proficiency in their area of study.
- Document their work and experiences professionally.
- Explain the historical and conceptual aspects of their work.

## Degrees Offered
- ♦ Bachelor of Fine Arts in Visual Art – General Fine Arts
- ♦ Associate of Art in Visual Art
- ♦ Bachelor of Arts or Science – Minor in Art

## Facilities
The Rio Grande John W. Berry Fine and Performing Arts Center opened in 1981. A signature glass atrium introduces visitors to the Center and serves as an entry to the 500 seat state-of-the-art Alphus R. Christensen Theatre. The theatre hosts numerous university and community productions and serves as a cultural hub to residents in a five-county area of Southern Ohio and West Virginia.

Within the Center, the Art Department houses a Mac computer lab with Adobe software for web and print production, a large-scale color printer, a fully equipped darkroom and multi- purpose classrooms.

The Esther Allen Greer Museum houses a 3,000 square foot exhibition space, museum prep room for framing and preparing artwork for display, multi-purpose classrooms and the University Archives. Among the museum's holdings are numerous prints, drawings, paintings and sculpture comprising the Brooks Jones Endowment Collection.

The Art Annex was constructed in 1997. This 10,000 square foot building houses equipment and dedicated space for woodworking, metalworking, stone carving, printmaking, drawing, painting, hand building and wheel throwing ceramics, as well as a number of kilns and a foundry.

## Degree Requirements
The Bachelor of Fine Arts degree is a professional degree **with greater major course requirements than a Bachelor of Arts or a Bachelor of Science degree.** The BFA is designed primarily for students who are interested in professional art production, print or web design, private school or studio teaching, museum, gallery or curatorial work, graduate school, and other areas in which an extensive visual arts background would be an asset or a necessity. A "C" grade is required in all ART courses for transferring students.

## Bachelor of Fine Arts in Visual Art – General Fine Arts Concentration (1750)
The General Fine Arts Concentration is designed for students who want to work in a variety of two and three dimensional media.

General Education.....39
BFA students are not required to complete a Group 1 Humanities course, as ART 15404 Western Art History 1 will substitute.

Major Area required courses
Studio Foundations
ART 10403 Two-Dimensional Design .....3
ART 12403 Drawing I .....3
ART 10503 Three-Dimensional Design .....3
ART 12301 Art Portfolio.....1
ART 23201 Exhibits.....1
ART 20104 Raster Graphics .....4
Total Studio Foundations hours.....15

**Art History**
ART 15404 Western Art History I.....4
ART 25404 Western Art History II .....4
ART 36503 Non-Western Art History.....3
ART 46503 Art History Criticism and Philosophy... 3
Total Art History hours ..... 14

**Studio Core**
ART 24504 Sculpture I .....4
ART 23504 Ceramics I .....4

Select one from the following two courses
ART 26904 Digital Photography

ART 26604 Darkroom Photography I
Total one course, four credit hours ..... 4
ART 38504 Drawing II ..... 4
ART 28604 Painting I..... 4
ART 21504 Printmaking I ..... 4
ART 48501 Senior Exhibit ..... 1
Total Studio Core hours ..... 25

**Studio Concentration**
Complete 24 hours from the following courses:
ART 20204 Vector Graphics and Design ..... 4
ART 34504 Sculpture II ..... 4
ART 44504 Sculpture III ..... 4
ART 33504 Ceramics II ..... 4
ART 43504 Ceramics III ..... 4
ART 38604 Painting II ..... 4
ART 48604 Painting III ..... 4
ART 36604 Darkroom Photography II ..... 4
ART 46604 Darkroom Photography III ..... 4
ART 31504 Printmaking II ..... 4
ART 41504 Printmaking III ..... 4
ART 48801-4 Selected Topics (may repeat)..... 1-4
Total Studio Concentration hours .....24
Total major area hours ..... 78
Personal elective hours ..... 9
Total required hours for degree .....126

## Associate of Arts - Visual Art (1721)

General Education must include: ..... 39
AA students are not required to complete a Group 1 Humanities course, as ART 15404 Western Art History 1 will substitute.

Major Area required courses
ART 10403 Two Dimensional Design ..... 3
ART 12403 Drawing I ..... 3
ART 12301 Art Portfolio ..... 1
Select one from the following two courses
ART 15404 Western Art History I
ART 25404 Western Art History II
Total one course, four credit hours ..... 4
ART 10503 Three Dimensional Design..... 3
ART 23201 Exhibits ..... 1
ART 20104 Raster Graphics ..... 4
Eight hours of ART courses at the 20000 level ..... 8
Total major area hours ..... 27
Total required hours for degree ..... 66

## Bachelor of Arts or Science – Minor in Art (1730)

General Education must include:
ART 10303 Art Appreciation.....3
Total General Education hours.....42 - 45
Minor Area required courses..... 15
Note: 15-18 hours of ART courses, at least 33% of which must be at the 30000/40000 level.
Major and elective hours.....63 - 69
Total required hours for degree ..... 126

# BIOLOGY

**School of Natural Sciences**
***College of Arts and Sciences***
Kidd Math/Science Center
740-245-7397 office; 740-245-7172 fax

## Mission Statement

The mission of the biology department is to provide the student with a fundamental background in biology and related sciences to continue on into graduate or professional school (medicine, dentistry, etc.) or to obtain employment in biology or a biology related field.

## Degrees Offered

- Bachelor of Science – Comprehensive Major in Biology
- Bachelor of Arts or Science – Minor in Biology
- Associate of Science – Concentration in Biology

## Bachelor of Science Learning Outcomes

The successful student is able to:
- Explain, using appropriate terminology, the basic concepts of cell/molecular biology, ecology, evolution, and genetics.
- Explain the fundamentals of scientific inquiry, interpret the results of scientific investigations, and draw reasonable conclusions from data.
- Complete critical reading of original and secondary source material.
- Communicate, in oral and written form, biological technical information.
- Relate models, theories and concepts to real world phenomena.
- Use standard biological equipment appropriately and safely, and explain the limitations of the equipment.

## Associate of Science Learning Outcomes

The successful student is able to:
- Explain, using appropriate terminology, the basic concepts of biology.
- Explain the fundamentals of scientific inquiry.
- Complete critical reading of original and secondary source material.
- Communicate, in oral and written form, biological technical information.
- Relate biological concepts to real-world phenomena.
- Use standard biological equipment appropriately and safely.

## Facilities

The Kidd Math/Science Center opened in 1985. With an award-winning masonry design, the center's front doors open to a glass atrium with live plants and a trickling pond. A spacious lobby follows with comfortable studying

facilities. The center houses three large chemistry labs, three biology labs, one physics lab, one computer lab, lecture rooms, faculty offices and a large bent glass greenhouse that enhances the view of campus. McKenzie Hall opened in 1997 providing math/science students along with the nursing students, two large lecture halls, a variety of lecture rooms, an anatomy lab, three computer labs, faculty offices and a conference room with a beautiful view of campus and the surrounding landscape.

### Degree Requirements

### Bachelor of Science – Biology (2340)

General Education must include:

| | |
|---|---|
| BIO 12104 Biology I | 4 |
| CHM 15005 General Chemistry I | 5 |
| MTH 21404 Introductory Probability and Statistics | 4 |
| Total General Education hours | 40 |

| | |
|---|---|
| Major area required hours | 56-62 |
| BIO 12204 Biology II | 4 |
| BIO 20704 Ecology | 4 |
| BIO 30304 Microbiology | 4 |
| BIO 36404 Genetics | 4 |
| BIO 40303 Evolution | 3 |
| BIO 48101-04 Senior Research I | 1-4 |
| BIO 48202-04 Senior Research II | 2-4 |
| CHM 15505 General Chemistry II | 5 |
| CHM 26202 Organic Chemistry Laboratory I | 2 |
| CHM 26303 Organic Chemistry Theory I** | 3 |
| NSC 22304 Environmental Science **OR** | |
| BIO 21404 Human Anatomy and Physiology I* | 4 |
| PHY 10404 Principles of Physics **OR** | |
| PHY 17505 General Physics I with Algebra*** | 4-5 |
| 30000-40000 Electives from below | 16 |
| BIO 31303 Advanced Ornithology | 3 |
| BIO 32303 Mammalogy | 3 |
| BIO 32603 Epidemiology | 3 |
| BIO 33404 Invertebrate Zoology | 4 |
| BIO 34403 Intro to Biochemistry | 3 |
| BIO 35304 Field Biology and Methodology | 4 |
| BIO 36303 Local Flora | 3 |
| BIO 36804 Advanced Plant Biology | 4 |
| BIO 37303 Cell and Molecular Biology | 3 |
| BIO 37504 Comparative Vertebrate Anatomy | 4 |
| BIO 38402 Immunology | 2 |
| BIO 38503 Environmental Toxicology | 3 |
| BIO 41303 Limnology | 3 |
| BIO 43404 Parasitology | 4 |
| BIO 44403 Advanced Biochemistry | 3 |
| BIO 45303 Conservation Biology | 3 |
| BIO 47103 GIS Appli. For Res. Mgmt | 3 |
| BIO 49303 Pathophysiology | 3 |
| Personal elective hours | 18-24 |
| Total required hours for degree | 120 |

Note: To graduate a grade of "C-" or better is required in all core and elective courses in the program.

*Human A&P 2 not required but recommended for those interested in medicine.
**Organic Chemistry 2 not required but recommended for those interested in medicine, required by medical schools and some biology graduate programs.
***General Physics 2 not required but recommended for those interested in medicine, required by medical schools and some graduate programs.

### Bachelor of Arts or Science – Minor in Biology (2330)

General Education must include:

| | |
|---|---|
| BIO 12104 Biology I | 4 |
| MTH 21404 Intro Probability and Statistics | 4 |
| Total General Education hours | 39-40 |

| | |
|---|---|
| Minor Area required courses: | |
| BIO 12204 Biology II | 4 |
| BIO 20704 Ecology | 4 |
| BIO 21404 Human Anatomy and Physiology OR | |
| NSC 22304 Environmental Science | 4 |
| BIO 30304 Microbiology | 4 |
| BIO 36404 Genetics | 4 |
| Total minor area hours | 20 |
| Major and elective hours | 60-61 |
| Total required hours for degree | 120 |

### Associate of Science Degree – Concentration in Biology (2321)

General Education must include:

| | |
|---|---|
| BIO 12104 Biology I | 4 |
| MTH 21404 Intro Probability and Statistics | 4 |
| Total General Education hours | 39-40 |

| | |
|---|---|
| Major Area required courses: | |
| BIO 12204 Biology II | 4 |
| BIO 20704 Ecology | 4 |
| BIO 21404 Human Anatomy and Physiology **or** | |
| NSC 22304 Environmental Science | 4 |
| CHM 15005 General Chemistry I | 5 |
| CHM 15505 General Chemistry II | 5 |
| Total major area hours | 22 |
| Total required hours for degree | 61-62 |

## BUSINESS MANAGEMENT

**Emerson E. Evans School of Business**
***College of Professional & Technical Studies***
Bob Evans Farms Hall
740-245-7373 office; 740-245-7110 fax

### Mission Statement

The Emerson E. Evans School of Business is a student-

centered, business school dedicated to opening learning opportunities for students in leadership, collaboration, and business management. To successfully meet the challenges of the global market place, students develop partnerships with business owners and leaders to explore business operations and opportunities.

## Degrees Offered

- Bachelor of Science –Business Management
- Associate of Applied Business – Business Management
- Bachelor of Arts or Science – Minor in Business Management
- Minors – Accounting, Banking, Healthcare Administration, Information Technology, & Marketing
- Professional Certificates – Accounting, Certified Financial Planning, Banking, Healthcare Administration, Information Technology, Marketing, & Small Business Management

## Learning Outcomes for Associate of Applied Business in Business Management

Students will:

- Be able to describe the introductory concepts, basic theories, and fundamental practices in the principal functional areas of business.
- Be able to describe the significance of the economic environment of business.
- Be able to use current technology in support of business administration.
- Be able to present effective forms of communication.
- Be able to describe elements of successful teams.
- Be able to explain techniques for motivating and influencing people.

## Learning Outcomes for Bachelor of Science in Business Management

Students will:

- Be able to distinguish the principal concepts, theories, practices, and interrelationships between the functional areas of business.
- Be able to differentiate the intercultural dimensions of management.
- Be able to distinguish the relevant theories and principles associated with the economic environment of business.
- Be able to apply legal and ethical principles in business to organizational decision making.
- Be able to apply business-related quantitative methods and tools.
- Be able to communicate in a professional context.
- Be able to analyze organizational challenges.

## Learning Outcomes for Certificate in Accounting

Students will:

- Be able to distinguish the principal concepts, theories, and practices within the functional areas of business.
- Be able to describe economic decision making..
- Be able to use current technology in support Generally Accepted Accounting Principles (GAAP).
- Be able to prepare and use financial statements.

## Learning Outcomes for Certificate in Certified Financial Planning

Students will:

- Be able to describe the Practice Standards employed during each step of the financial planning process.
- Be able to describe the personal financial planning process as defined by the Practice Standards for the Financial Planning Process (Section C- Code of Ethics and Standards of Conduct).
- Be able to Apply the following economic concepts and measures in making financial planning recommendations:
    a) Supply and demand
    b) National Income Accounts (including GDP)
    c) Business cycles (unemployment, recession, fiscal and monetary policy)
    d) Interest rates (including its term structure and the yield curve) and inflation
    e) Exchange rates
- Be able to explain the role of personal and business liability insurance in comprehensive financial planning and how personal umbrella liability policy (PUP) and business liability insurance interacts with other property and liability insurance products.
- Be able to explain the use of return distributions in portfolio structuring.
- Be able to compare and contrast the fundamental components of the income tax system, including filing forms, filing status, income, exemptions, exclusions, deductions, adjustments, credits, and tax rates.
- Be able to identify and evaluate the assumptions used in analyzing retirement needs, including age at retirement, cash inflows and outflows in various stages of retirement, goal priority and importance, longevity, rate of investment return, market volatility, and effects of inflation.
- Be able to compare and contrast the most common types of titling property (sole ownership, joint tenancy with rights of survivorship, tenants in common, tenants by the entirety and community property).

## Learning Outcomes for Certificate in Healthcare Administration

Students will:

- Be able to distinguish the principal concepts, theories, and practices within the functional areas of business.
- Be able to demonstrate an understanding of the United States health care system.
- Be able to recognize ethical and moral principles and apply these in medical scenarios.
- Be able to identify and describe management techniques for health care environments.

## Learning Outcomes for Certificate in Marketing

Students will:

- Be able to distinguish the principal concepts, theories, and practices within the functional areas of business.
- Be able to collect and analyze information to solve marketing problems.
- Be able to identify and combine elements of a promotional mix to develop a marketing communication program.
- Be able to identify marketing applications in the business-to-business environment.

## Learning Outcomes for Certificate in Information Technology

Students will:

- Be able to distinguish the principal concepts, theories, and practices within the functional areas of business.
- Be able to use current technology in support of business administration.
- Be able to identify the fundamental operations of various computer operating systems.
- Be able to identify database concepts and designs.

## Learning Outcomes for Certificate in Professional Banking

Students will:

- Be able to distinguish the principles, concepts, and operations of banking.
- Be able to recognize the function of money and baking in the U.S. economy.
- Be able to describe the underlying legal structure for conducting the business of banking.
- Be able to identify the essentials of consumer and commercial lending and explain the important and relevant features, processes, and laws.

## Learning Outcomes for Certificate in Small Business Management

Students will:

- Be able to identify basic financial terminology.
- Be able to identify and apply management philosophies and practices.
- Be able to identify the areas of law that relate to business operations.
- Be able to identify and apply methods of organizing, financing, and operating a small-scale enterprise.

## Facilities

The Bob Evans Farms Hall was built in 2001 and is the home of the Emerson E. Evans School of Business. A distinctive tower creates a central sky light in the center of the building, which houses two computer labs, faculty offices, a student lounge area, large and small meeting rooms, as well as classrooms.

## Accreditation

The Emerson E. Evans School of Business at the University of Rio Grande has received specialized accreditation for its business programs through the International Assembly for Collegiate Business Education (IACBE) located at 11374 Strang Line Road, Lenexa, Kansas, USA. The business programs in the following degrees are accredited by the IACBE:

- **Associate of Applied Business in Business Management (Main Campus and Meigs Center)**
- **Bachelor of Science in Business Administration (Main Campus)**

## Additional Assessment Requirements for Business Majors:

All business students must take the following pre- and post-tests prior to graduation.

- **Associate Degree –** Pre-Test First Semester & Post-Test prior to graduation.
- **Baccalaureate Degree –** Pre-Test First Semester and Post-Test prior to graduation PLUS the Major Field Test in Business or an assigned equivalent.

## Degree in Business Management

A degree in Business Management opens up a host of possible careers, perhaps more than any other, in profit as well as non-profit organizations and government. Possible careers and jobs include business research, investment feasibility studies, banking security trading, insurance, corporate finance, personal work, labor relations, product marketing, international commerce, real estate, etc. Someday the business graduate may start up a small business and be his/her own boss. S/he may manage people in manufacturing, construction, food processing, chemical

operations, mining, oil production, government, information systems, a health care facility, an accounting department, a store, restaurant, etc. Many corporate lawyers have undergraduate degrees in Business.

The Emerson E. Evans School of Business incorporates the Rio model of two-year associate degree + two-year stackable bachelor degree. As mentioned earlier, a degree in business is versatile and provides job opportunities in various occupations. Our students are required to select an area of specialization during their first semester (Accounting, Banking, Healthcare Administration, Information Technology, or Marketing). Professional Certificates are awarded upon successful completion of the associate degree and a minor will be attached to their bachelor degree.

## Degree Requirements

### Associate of Applied Business Degree - Business Management (9221): *61 semester hours*

1st Semester (14 hours):
LA 10001 Gateway to Success....1
HPE 10101 Human Wellness....1
ENG 11103 Composition I....3
MKT 21403 Principles of Marketing....3
IT 10103 Introduction to Information Technology....3
ACC 11403 Principles of Accounting I....3

2nd Semester (16 hours):
COM 11103 Fund of Speech Communication....3
MTH 21404 Intro Probability & Statistics....4
BM 10403 Introduction to Business....3
ACC 12403 Principles of Accounting II....3
Professional Certificate Elective....3

3rd Semester (15 hours):
ENG 21403 Business & Technical Writing....3
HIS 13203 World Civilization II....3
IT 10203 MS Office/Internet....3
BM 27403 Introduction to Business Law....3
Professional Certificate Elective....3

4th Semester (16 hours):
HIS 12203 American History II....3
HUM 20103 Humanities....3
ECO 11103 Contemporary Economics....3
BM 20403 Principles of Management....3
BM 28901 Business Portfolio (2-year Capstone)....1
Professional Certificate Elective....3

### Bachelor of Science –in Business Management (3041) *120 semester Hours*

5th Semester (16 hours):
CHM 10404 Principles of Chemistry....4
ECO 11403 Microeconomics....3
BM 32403 Organizational Behavior....3
FIN 21403 Principles of Investment....3
BM 46403 Operations Management....3

6th Semester (16 hours):
BIO 11004 Plants & People....4
BM 31403 Human Resource Management....3
BM 42403 Organizational Theory....3
BM 44403 International Business....3
Minor Elective....3

7th Semester (15 hours):
ART 10303 Art Appreciation or FPA 10503 Fine Arts....3
FIN 20403 Financial Management....3
BM 44503 Project Management....3
ENT 44403 Small Business Management....3
Minor Elective....3

8th Semester (12 hours):
HPE 19801 Walking for Fitness....1
BM 47903 Strategic MGT (4-yr Business Capstone)....3
ECO 12403 Macroeconomics....3
BM 49102 Internship/Experience in MGT....2
Minor Elective....3

### Bachelor of Arts or Science – Minor in Business Management (3031)

The minor is designed for students majoring in programs other than a BS degree in Business as a means of providing expanded career options.

Minor (18 hours)
BM 20403 Principles of Management....3
BM 31403 Human Resource Management....3
BM 32403 Organizational Behavior....3
BM 27403 Introduction to Business Law....3
BM 44503 Project Management....3
MKT 21403 Principles of Marketing....3

### Accounting: Professional Certificate (92211 ) & Minor (3030)

Professional Certificate (18 hours)
BM 10403 Introduction to Business....3
BM 20403 Principles of Management....3
ACC 11403 Principles of Accounting I....3
ACC 12403 Principles of Accounting II....3
ACC 21403 Intermediate Accounting I....3
ACC 22403 Intermediate Accounting II....3

Minor (24 hours)
Professional Certificate....18
ACC 34403 Federal Income Taxation……..... .....3
ACC 35403 Management Accounting……..... .....3

### Certified Financial Planning: Professional Certificate (92214)

Professional Certificate (30 hours)
FIN 21403 Principles of Investment....3

ECO 11403 Intro to Microeconomics ..... 3
**or**
ECO 12403 Intro to Macroeconomics..... 3

MKT 26403 Professional Communication..... 3
**or**
BM 27403 Business Law ..... 3

FIN 22503/32503 General Prin. of Fin. Plan ..... 3
FIN 23403/33403 Risk Mgmt & Insurance Plan..... 3
FIN 24403/34403 Investment Planning ..... 3
FIN 24503/34503 Tax Planning..... 3
FIN 23503/33503 Retirement Saving & Income Plan..... 3
FIN 23603/43603 Estate Planning ..... 3
FIN 27503/47503 Financial Plan Development ..... 3

### Healthcare Administration: Professional Certificate (92212) & Minor (30335)

Professional Certificate (17 hours)
BM 10403 Introduction to Business……..... ..... 3
BM 20403 Principles of Management..... .3
PHR 21403 Medical Ethics……..…… ..... 3
HCA 21104 Fundamentals of Health Care…….....4
HCA 21204 Admin. of Acute Care Facilities…….....4

Minor (27 hours)
Professional Certificate ..... 17
HCA 41104 Concepts in Acute Care Facilities Mgt ..... 4
HCA 41203 Health Care Aging Patients…….....3
HCA 31303 Population Health ..... 3

### Marketing: Professional Certificate (92213) & Minor (3035)

Professional Certificate (18 hours)
BM 10403 Introduction to Business…….....3
BM 20403 Principles of Management…….....3
MKT 21403 Principles of Marketing…….. .....3
MKT 27403 Advertising & Promotion…… .....3
MKT 26403 Professional Communication…….....3
MKT 28403 Business to Business MKT…….....3

Minor (27 hours)
Professional Certificate…….....18
MKT 33403 Marketing Research…….....3
MKT 34403 Consumer Behavior……. .....3
MKT 47403 Marketing Management…….....3

### Information Technology: Professional Certificate (9204) & Minor (3039)

Professional Certificate (18 hours)
BM 10403 Introduction to Business…….....3
IT 10103 Intro Information Technology…….. .....3
IT 10203 MS Office/Internet I…….....3
IT 20103 Windows OS & Hardware…… .....3
IT 20903 Web Technology…….....3
IT 20803 Database Communications…….. .....3

Minor (27 hours)
Professional Certificate…… .....18
IT 31403 E-Business……. .....3
IT 30503 Visual Basic…….....3
IT 41203 Enterprise Computing…….....3

### Banking: Professional Certificate (3052) Minor (3050)

Professional Certificate (15 hours)
FIN 20103 Principles of Banking……. .....3
FIN 21103 Money and Banking…….....3
FIN 22103 Banking Law and Regulation…… .....3
FIN 26403 Consumer Lending…….....3
FIN 28403 Commercial Lending……. ...3

Minor (15 hours)
FIN 20103 Principles of Banking……. .....3
FIN 21103 Money and Banking…….....3
FIN 22103 Banking Law and Regulation…… .....3
FIN 36403 Consumer Lending…….....3
FIN 38403 Commercial Lending……. ...3

### Small Business Management: Certificate (92011)

Professional Certificate (15 hours)
ACC 11403 Principles of Accounting I…….. .....3
MKT 21403 Principles of Marketing…….. .....3
ENT 24403 Small Business Management…….....3
BM 20403 Principles of Management……. .....3
BM 27403 Introduction to Business Law…… .....3

## CHEMISTRY & BIOCHEMISTRY

**School of Natural Sciences**
***College of Arts and Sciences***
Kidd Math/Science Center
740-245-7397 office; 740-245-7172 fax
schoolofsciences@rio.edu

### Mission Statement

The mission of the Biochemistry Program at the University of Rio Grande is to provide a stimulating and positive environment for the discovery, integration, and communication of chemistry and biology. Whether a career in the chemical or biochemical sciences is desired or the pursuit of graduate or professional studies is preferred, students are prepared for future endeavors by rigorous intellectual stimulation, the development of practical laboratory skills, and the provision of opportunities for scholarly research. This environment of intellectual inquiry and professional growth is supported by the faculty's commitment to teaching, research, and service, and is underscored by following the guidelines of the American Chemical Society as well as the American Society for

Biochemistry and Molecular Biology. Also this program complements the mission of the University, the College of Arts and Sciences, and the School of Natural & Social Sciences by contributing to the scientific and technological literacy, critical thinking skills and informed decision-making abilities of students from all fields and from all walks of life.

## Degrees Offered

- Bachelor of Science – Biochemistry
- Associate of Science – Chemistry

## Bachelor of Science Learning Outcomes

The successful student will:

- Demonstrate problem-solving skills to provide solutions to theoretical and experimental problems in biochemistry.
- Apply the fundamental concepts of the foundational concepts of biochemistry: energy & matter transformation, macromolecular structure & function, and biological information.
- Utilize various measuring techniques in the laboratory to perform accurate and precise quantitative measurements.
- Effectively interpret and communicate experimental results.
- Utilize computers to support the learning and practice of biochemistry (data acquisition and analysis, access to information, preparation of reports, and molecular modeling and bioinformatics).
- Explain the relevance of chemistry and biochemistry to other fields and society.
- Demonstrate scientific literacy and professional ethics.

## Associate of Science Learning Outcomes

The successful student will:

- Apply fundamental concepts from general and organic chemistries.
- Utilize various measuring techniques in the laboratory to perform accurate and precise quantitative measurements.
- Effectively interpret and communicate experimental results.
- Utilize computers to support the learning and practice of chemistry (data acquisition and analysis, access to information, preparation of reports, and molecular modeling).
- Explain the relevance of chemistry to other fields and society.
- Demonstrate scientific literacy and professional ethics.

## Facilities

The Kidd Math/Science opened in 1985. With an award-winning masonry design, the center's front doors open to a glass atrium with live plants & a trickling pond. A spacious lobby follows with comfortable studying facilities. The center houses three large chemistry labs, three biology labs, one physics lab, one computer lab, lecture rooms, faculty offices and a large bent glass greenhouse that enhances the view of campus. McKenzie Hall opened in 1997 providing math/ science students, along with the nursing students, two large lecture halls, a variety of lecture rooms, an anatomy lab, three computer labs, faculty offices and a conference room with a beautiful view of campus and the surrounding landscape.

## Degree Requirements

## Bachelor of Science – Biochemistry (2351)

AS Chemistry……62

General Education

BIO 12104 Biology I....4
COM 11103 Speech Communication....3
HPE 10101 Human Wellness....1
HPE Activity Course……1

Choose one of the following:

ART 10303 Art Appreciation
FPA 10503 Fine Arts....……3

Major Area required hours .... 29-34

BIO 30304 Microbiology....4
BIO 34403 Intro to Biochemistry....3
BIO 34501 Biochemistry Laboratory....1
BIO 36404 Genetics....4
BIO 37303 Cell and Molecular Biology....3
BIO 44403 Advanced Biochemistry....3
BIO 48101-04 Senior Research I.... 1-4
BIO 48202-04 Senior Research II.... 2-4
CHM 33105 Analytical Chemistry....5
CHM 40203 Intro to Physical Chemistry....3

Electives 30000-40000.... 0-4
Personal elective hours.... 12-13
Total required hours for degree....120

## Degree Requirements

## Associate of Science – Chemistry (2421)

General Education (must include).... 38

ENG 11103 Composition I....3
ENG 11203 Composition II……..3
Arts & Humanities Group II Course……3
Arts & Humanities Group III Course……3
Social Sciences Group I Course……3
Social Sciences Group II Course……...3
LA 10001 Gateway to Success……..1
CHM 15005 General Chemistry I....5
CHM 15505 General Chemistry II....5
MTH 15105 Calculus I....5
MTH 15204 Calculus II....4

Major Area required hours....24

BIO 12204 Biology II....4
CHM 26202 Organic Chemistry Laboratory I....2
CHM 26303 Organic Chemistry Theory I....3

CHM 27202 Organic Chemistry Laboratory II..... 2
CHM 27303 Organic Chemistry Theory II..... 3
PHY 17505 General Physics I with Algebra……..5
Or PHY 20505 General Physics I with Calculus
PHY 18505 General Physics II with Algebra……..5
Or PHY 21505 General Physics II with Calculus

Total required hours for degree..... 62

# COMPUTER SCIENCE

**School of Technologies**
***College of Professional & Technical Studies***
Davis Career Center
740-245-7301 office; 740-245-7440 fax

## Mission Statement

The computer is a tool that can increase the efficiency and productivity of individuals in many fields of endeavor. The Computer Science curriculum is designed to provide students with the necessary coursework to complete either a Major (Bachelor of Science) or a Minor in Computer Science. Students are prepared to pursue a career in the computer industry in the areas of programming, networking, web development and software design. As a 2 + 2 program the Bachelors of Computer Science program is designed to provide a seamless pathway for students holding an AAS in IT Network Systems from Rio or a related Associate degree from an accredited school to a bachelor's degree in Computer Science.

## Degrees Offered

- Bachelor of Science – Computer Science 2+2
- Associate of Applied Science – Information Technology: Network Systems
- Associate of Technical Studies – Cybersecurity
- Bachelor of Science/Arts – Minor in Computer Science

## Bachelor of Science Learning Outcomes

The successful student will:

- Use critical thinking and logic skills to formulate and solve problems related to programming and software development.
- Write code in a variety of common programming languages such as Java, C, Python,
- Explain ethical behavior as it relates to programming and operating computers.
- Explain fundamental concepts relating to computer operating systems, software, hardware, and architecture.
- Analyze, design, develop software projects and web applications. The student should be able to explain the different aspects of the software life cycle.
- Analyze, design, develop, and administer a database system.

## Facilities

McKenzie Hall opened in 1997 providing math/science/ engineering students, along with the nursing students, two large lecture halls, three computer labs, a variety of lecture rooms, an anatomy lab, faculty offices and a conference room with a beautiful view of campus and the surrounding landscape. The adjacent Kidd Math/Science opened in 1985. With an award-winning masonry design, the center's front doors open to a glass atrium with live plants & a trickling pond. A spacious lobby follows with comfortable studying facilities. The center houses three large chemistry labs, three biology labs, one physics lab, one computer lab, lecture rooms, faculty offices and a large bent glass greenhouse that enhances the view of campus.

## Degree Requirements

## Bachelor of Science – Major in Computer Science 2+2 (3046)

AAS IT Network System, ATS Cybersecurity or related Associate degree from an accredited school .....65

**Fall Third or First Year (15 hours):**
CS 31103 Application Development I .....3
CS 32203 Introduction to C .....3
BM 20403 Principles of Management .....3
6 hours minor/elective .....6

**Spring Third or First Year (15 hours):**
CS 31203 Application Development II .....3
CS 32303 Inside of a Microprocessor .....3
CS 42103 Algorithms .....3
6 hours minor/elective .....6

**Fall Fourth or Second Year (15 hours):**
CS 42203 Product Development .....3
IT 30503 Visual Basic .....3
BM 27403 Business Law .....3
6 hours minor/elective .....3

**Spring Fourth or Second Year (15 hours):**
CS 47103 Capstone Project .....3
IT 31403 E-Business .....3
BM 31403 Human Resource Mgmt. .....3
6 hours minor/elective .....6

Total required hours for degree .....120

## Bachelor of Science or Arts - Minor in Computer Science (3032)

CS 20103 Computer Programming I .....3
CS 20203 Computer Programming II .....3
CS 21503 Introduction to Database .....3
CS 22103 Data Structures .....3
CS Electives from 3000/4000 level .....6
Total Minor Area courses .....18
Major and electives hours . .....65

Total required hours for degree .....125

# CYBERSECURITY

**School of Technologies**
***College of Professional & Technical Studies***
Davis Career Center
740-245-7301 office; 740-245-7440 fax

## Mission Statement

The Cybersecurity ATS degree shall produce graduate who are immediately employable into entry-level technical positions in a wide variety of support jobs. In this program, students will assess modern cybersecurity challenges that threaten our privacy, security, and safety, and gain both the knowledge and hands-on technical skills to protect digital assets from cyber criminals who leverage sophisticated social and cyber tactics to facilitate attacks. Students who complete this curriculum will not only be prepared for a career as a cybersecurity professional, they will also be well positioned to obtain a number of certifications which will increase their employability, including Certified Ethical Hacker, Certified Information Systems Security Professional, and Certified Forensic Examiner. The Cyber Security ATS degree is a direct pathway into the 2 + 2 bachelor's degrees in Computer Science or Industrial Technology.

## Degrees Offered

- Associate of Technical Studies – Cybersecurity

## Associate of Technical Studies Learning Outcomes

The successful student will:

- Display critical thinking and problem skills in relation to a wide range of Cybersecurity challenges.
- Be able to analyze and investigate cyber-attacks and their aftermath.
- Display the ability to communicate technical concepts to both technical and non-technical stakeholders effectively.
- Explain fundamental concepts relating to computer Demonstrate the ability to adapt to emerging threats within their field..

## Degree Requirements

## Associate of Technical Studies- Cybersecurity (94250)

Fall First Year:
CS 20103 Computer Programming I..... 3
ELE 11303 Intro to Networking..... 3
IT 11103 Intro to Cybersecurity..... 3
ENG 11103 Composition I..... 3
MTH 21404 Intro Prob & Stats..... 4
LA 10001 Gateway to Success .....1

Spring First Year:
CS 20203 Computer Programming II .....3
IT 21303 Cybercrime and Governance.....3
ENG 21403 Business & Tech Writing or
ENG 11203 Composition II.....3
HIS 13103 World Civ I or
HIS 13203 World Civ II .....3
PSY 11103 General Psychology .....3

Fall Second Year:
CS 21503 Intro to Database.....3
IT 22503 Modern Cybersecurity.....3
IT 21403 Cyber Forensics.....3
BM 24503 Project Management .....3
COM 11103 Speech Communication .....3
IT 20403 Web Development.....3

Spring Second Year:
CS 22103 Data Structures.....3
IT 22603 Network and System Security .....3
IT 22703 Ethical Hacking.....3
ART 100303 Art Appreciation or
FPA 10503 Fine Arts .....3
COM 22303 Interviewing……...3

Total hours required for degree .....65

Graduation requires students to achieve a 2.0 grade point average in all major courses and a 2.0 overall grade point average in all coursework in order to receive an associate degree.

# DIAGNOSTIC MEDICAL SONOGRAPHY

**School of Allied Health and Exercise Studies**
***College of Professional & Technical Studies***
Davis Career Center
740-245-7301 office; 740-245-7440 fax

## Mission Statement

The Diagnostic Medical Sonography Program provides a non-discriminatory student-centered educational environment for the growth and professional development of sonographers with superior competency in multiple sonographic specialties.

Diagnostic Medical Sonography is the non-invasive use of high frequency sound waves to image anatomic structures within the body. Sonographers are specially trained individuals who work under the close supervision of radiologists, perinatologists, cardiologists, and vascular surgeons in order to assist them in determining a medical diagnosis and treatment plan for patients. The sonographer

is responsible for acquiring images and/or videos of normal and abnormal structures and functions and reporting their findings to the appropriate supervising physician. Upon graduation, sonographers may be employed by hospitals, private physician practices, diagnostic imaging centers, research departments, and ultrasound machine manufacturers.

The DMS Program offers two majors, General Sonography and Cardiovascular Sonography. Both majors require general studies coursework to be completed concurrently with sonography courses and clinical rotations. The general coursework includes math, English, and the sciences. The core sonography courses include abdominal, obstetrical and gynecological courses (General Sonography major) or cardiac and vascular courses (Cardiovascular Sonography major), as well as sonographic physics and instrumentation.

Upon completion of an Associate of Applied Science Degree in Diagnostic Medical Sonography, graduates have the option to complete the Bachelor Degree Program that is also offered by the Diagnostic Medical Sonography Program. Completion of the bachelor's degree would consist of the student completing the core sonography courses of the opposite major as their associate's degree in the third year and fourth year as well as coursework that will prepare the student for advanced careers in the field of sonography. The DMS Programs will prepare graduates to sit for the national registry examinations offered by the ARDMS, American Registry for Diagnostic Medical Sonography.

## Degrees Offered

- Associate of Applied Science – Diagnostic Medical Sonography: General Sonography Major
- Associate of Applied Science – Diagnostic Medical Sonography: Cardiovascular Sonography Major
- Bachelor of Science – Diagnostic Medical Sonography

## Diagnostic Medical Sonography Program Goals

- To prepare competent entry-level general sonographers in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains.
- To prepare competent entry-level adult cardiac sonographers in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains.
- To prepare competent entry-level vascular technologists in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains.

## Associate of Applied Science General Sonography Learning Outcomes

Upon completion of the DMS General Program, the student is able to:

- Correlate clinical signs and symptoms with pathology.
- Apply critical thinking to real patient scenarios and choose an appropriate course of action.
- Identify and describe the basic concepts of Sonographic Physics and Instrumentation.
- Practice sonography while demonstrating professional, caring, and empathetic behaviors.
- Practice sonography in an ethical manner in alignment with organizational policies and procedures.
- Gain knowledge required to obtain one or more of the following credentials:
  - ARDMS RDMS (OB/GYN)
  - ARDMS RDMS (ABD)
  - ARRT RT (S)

## Associate of Applied Science Cardiovascular Sonography Learning Outcomes

Upon completion of the DMS Cardiovascular Program, the student is able to:

- Correlate clinical signs and symptoms with pathology.
- Apply critical thinking to real patient scenarios and choose an appropriate course of action.
- Identify and describe the basic concepts of Sonographic Physics and Instrumentation.
- Practice sonography while demonstrating professional, caring, and empathetic behaviors.
- Practice sonography in an ethical manner in alignment with organizational policies and procedures.
- Gain knowledge required to obtain one or more of the following credentials:
  - ARDMS RDCS (Adult Echo)
  - ARDMS RVT
  - CCI RCS
  - CCS RVS

## Bachelor of Science Learning Outcomes

Upon completion of the DMS Bachelor Program, the student is able to:

- Correlate clinical signs and symptoms with pathology.
- Apply critical thinking to real patient scenarios and choose an appropriate course of action.
- Identify and describe the basic concepts of Sonographic Physics and Instrumentation.
- Practice sonography while demonstrating professional, caring, and empathetic behaviors.
- Practice sonography in an ethical manner in alignment with organizational policies and procedures.
- Gain knowledge required to obtain one or more of the following credentials:
  - ARDMS RDMS (OB/GYN)
  - ARDMS RDMS (ABD)
  - ARRT RT (S)
  - ARDMS RDCS (Adult Echo)
  - ARDMS RVT
  - CCI RCS
  - CCS RVS

## Accreditation

* Both DMS associate degree programs and the bachelor's degree program are approved by the Ohio Department of

Higher Education. Both DMS associate degree programs are accredited by CAAHEP (Commission on Accreditation of Allied Health Education Programs). Information on accreditation and CAAHEP can be found at www.caahep.org.

## Admission Requirements and Procedures

Prospective applicants to the Diagnostic Medical Sonography Program should begin by applying for general admission/acceptance status to the University of Rio Grande, which can be done by logging onto www.rio.edu and completing the online admissions application. There is no admissions fee for applying online. Identify your "intended major field of study" as Allied Health – Associate Degree (2 year). You must also complete the Diagnostic Medical Sonography Program online application prior to February 1 of the year for which you are applying, which is available online at www.rio.edu/nursingandalliedhealth/diagnostic-medical-sonography/. **Students are strongly encouraged to complete DMS job shadowing prior to application.**

**It is the student's responsibility to see that the University has a copy of his/her high school transcript and/or college transcript, and the School of Allied Health online DMS Program Application prior to February 1of the year in which you apply, when the selection process will begin.**

## Admission Requirements:

- Students must meet all University of Rio Grande/Rio Grande Community College admission requirements.
- One unit of high school or college biology, chemistry, and algebra must be completed with a minimum grade of "C" before a student will be considered for admittance into the DMS program.
- **Supplementary applications are good for one year only. After students are selected for the next academic year, all applications will be discarded. Students not accepted into the program must reapply each year.**
- Only students who are officially admitted into the Diagnostic Medical Sonography Program can take the Diagnostic Medical Sonography courses.
- Only students who have successfully completed the Associate Degree Program or its equivalent and have been recommended by DMS faculty based on academic and clinical performance will be admitted to the Bachelor Degree Program.

## Academic Requirements:

- One unit of high school or college biology, chemistry, and algebra must be completed with a minimum grade of "C".
- High school or college cumulative grade point average of 2.5 or higher.
- Students will be required to sit for the HESI A2 exam after the February 1 application deadline. Qualifying students will be scheduled for the HESI A2 by the DMS Program Director after their application has been received.

## Health Requirements:

- **Vision Capabilities**: Normal or corrected refraction within the range of 20/20 to 20/60; adequately view sonograms, including identifying 16 shades of gray and color distinctions.
- **Hearing Capabilities:** Possess normal or corrected hearing abilities within 0-45 decibel range.
- **Motor Capabilities:** Maneuver sonographic equipment without assistance; assist in lifting patients using proper body mechanics; stand for extended periods of time; walk long distances without assistance while maneuvering sonographic equipment or transporting patients; type with one hand while scanning with the other.
- **Language Capabilities**: Communicate verbally with patient and other medical personnel; it is recommended that a second language is possessed or attempted.
- **Mental Capabilities**: Think and act quickly in emergency situations; cope with stress; comprehend daily work activities; understand all pathology needed to present case to physician.

## *Other Requirements:*

(Once accepted to the DMS Program)

- **Students must consent to a professional and confidential background check that includes but is not exclusive to social security number verification, criminal search, violent sexual offender and predator registry search, and employment verification. The background search will be initiated upon acceptance into the DMS program.**
- Students must consent to and pay for random drug testing as required by various clinical affiliations.
- Current CPR certification (Students accepted into the DMS program will take CPR as a class during the first spring semester of the program.)

## Admission Procedures:

**Step One:**

To be considered for admission into the DMS program, students must have met all of the above requirements. URG/RGCC must have a copy of your high school and/or college transcripts, and the School of Allied Health online DMS Program application by February 1 of the year in which the student would like to enter the DMS program's second year.

**Acceptance into the DMS program is very competitive. The number admitted into the program will be determined by the number of clinical sites available.** Applicants will be objectively scored to determine the top candidates. Cumulative GPA, and HESI A2 scores will account for 50% of the admission criteria, based on the following point system:

**GPA (Cumulative):** 3.7 - 4.0 = 20

3.3 - 3.6 = 15
3.0 - 3.2 = 10
2.5 - 2.9 = 5

**HESI A2 Scores:** 80-100% = 20
60-70% = 15
50-60% = 10
49% and below = 5

**Meeting all of the above requirements does not mean automatic admission/acceptance into the program nor does it guarantee an interview.**

**Step Two:**
The applicants with the highest scores will be scheduled for an interview, which will count for 50% of the admission criteria. The interview process will consist of a selection committee who will interview and rank these top applicants. The selection committee's decision is based upon the submitted academic achievements and the interview process to determine who is most likely to succeed in the program.

**The interview process will take place in March of each year. After the interview process, applicants will be selected for the DMS program that will begin Fall Semester.**
**Students selected for the Diagnostic Medical Sonography program must, prior to the beginning of clinical classes:**

- Submit complete childhood immunization and booster records.
- Submit proof of varicella zoster live-virus vaccine or reliable history of varicella (chicken pox) or serologic evidence of immunity.
- Submit proof of receiving Hepatitis B vaccine series.
- Submit a completed DMS Physical Examination and Medical History form. Form will be provided.
- Submit proof of CPR training.

## Associate of Applied Science – Diagnostic Medical Sonography: General Sonography Major (93204)

General Education required courses:
AHC 10202 Standards of Patient Care ..... 2
AHC 13303 Medical Terminology I ..... 3
AHC 22403 Pharmacology & the Human Body ..... 3
**Select one of the following two courses:**
BIO 11204 Essentials of Anatomy & Physiology ... 4
or
BIO 10104 Principles of Anatomy & Physiology I ... 4
ENG 11103 Composition I ..... 3
LA 10001 Gateway to Success ..... 1
MTH 21404 Intro. Probability and Statistics ..... 4
PHR 21403 Medical Ethics ..... 3
DMS 21003 Physics and Instrumentation I ..... 3
DMS 22003 Physics and Instrumentation II ..... 3
PSY 11103 General Psychology .....3
Total General Education hours .....32

Major Area required courses
DMS 20503 Principles of General Sonography .....3
DMS 21103 Abdominal Sonography I .....3
DMS 21203 Gynecological Sonography I.....3
DMS 21301 Seminar I .....1
DMS 21504 General Sonography Practicum I .....4
DMS 22103 Abdominal Sonography II.....3
DMS 22203 Obstetrical Sonography .....3
DMS 22301 Seminar II .....1
DMS 22503 General Sonography Practicum II.....3
DMS 23503 Sonography Practicum III .....3
DMS 23601 Registry Review .....1
DMS 23701 Breast Sonography.....1
Total major area hours.....29
Total required hours for degree .....61

## Associate of Applied Science – Diagnostic Medical Sonography: Cardiovascular Sonography Major (93207)

General Education required courses
AHC 10202 Standards of Patient Care .....2
AHC 13303 Medical Terminology I .....3
AHC 22403 Pharmacology & the Human Body .....3
**Select one of the following two courses:**
BIO 11204 Essentials of Anatomy & Physiology ....4
or
BIO 10104 Principles of Anatomy & Physiology I ...4
ENG 11103 Composition I .....3
LA 10001 Gateway to Success.....1
MTH 21404 Intro. Probability and Statistics .....4
PHR 21403 Medical Ethics .....3
DMS 21003 Physics and Instrumentation I.....3
DMS 22003 Physics and Instrumentation II .....3
PSY 11103 General Psychology.....3
Total General Education hours .....32

Major Area required courses
DMS 20103 Prin of Cardiovascular Sonography .....3
DMS 23301 Cardiovascular Seminar I.....1
DMS 24003 Echocardiography I .....3
DMS 24504 Cardiovascular Practicum I .....4
DMS 25003 Echocardiography II .....3
DMS 25503 Cardiovascular Practicum II .....3
DMS 28003 Vascular Sonography I .....3
DMS 29003 Vascular Sonography II.....3
DMS 24301 Cardiovascular Seminar II .....1
DMS 24601 Cardiovascular Registry Review.....1
DMS 26001 Pediatric Echocardiography .....1
DMS 26503 Cardiovascular Practicum III .....3
DMS 28801 Selected Topics in DMS-Basic EKG...1
Total major area hours.....30
Total required hours for degree .....62

The clinical education courses will be conducted at a variety of hospitals, clinics, and diagnostic imaging centers. Students

are responsible for their own transportation to and from the various clinical education sites. The student will not be scheduled for more than 40 hours per week, which includes classes and clinical education rotations.

## Bachelor of Science – Diagnostic Medical Sonography (7943) (for students with an associate degree in General Sonography)

Associate Degree in General Sonography ..... 65

General Education required courses
- COM 33103 Health Communication ..... 3
- HCA 31104 Fund of Healthcare Management ..... 4
- HPE 10101 Wellness ..... 1
- HPE Activity Elective ..... 1
- General elective courses ..... 17

Total General Education hours ..... 26

Major Area required courses
- DMS 28801 Selected Topics in DMS-Basic EKG .. 1
- DMS 33301 Cardiovascular Seminar I ..... 1
- DMS 34003 Echocardiography I ..... 3
- DMS 34301 Cardiovascular Seminar II ..... 1
- DMS 34504 Cardiovascular Practicum I ..... 4
- DMS 34601 Cardiovascular Registry Review ..... 1
- DMS 35003 Echocardiography II ..... 3
- DMS 35503 Cardiovascular Practicum II ..... 3
- DMS 36001 Pediatric Echocardiography ..... 1
- DMS 36503 Cardiovascular Practicum III ..... 3
- DMS 38003 Vascular Sonography I ..... 3
- DMS 39003 Vascular Sonography II ..... 3
- DMS 48802 Selected Topics in DMS ..... 2

Total major area hours ..... 29
Total required hours for degree ..... 121

## Bachelor of Science – Diagnostic Medical Sonography (7943) (for students with an associate degree in Cardiovascular Sonography)

Associate Degree in Cardiovascular Sonography ..... 66

General Education required courses
- COM 33103 Health Communication ..... 3
- HCA 31104 Fund of Healthcare Management ..... 4
- HPE 10101 Wellness ..... 1
- HPE Activity elective ..... 1
- General elective courses ..... 17

Total General Education hours ..... 26

Major Area required courses
- DMS 41103 Abdominal Sonography I ..... 3
- DMS 41203 Gynecological Sonography ..... 3
- DMS 41301 Seminar I ..... 1
- DMS 41504 General Sonography Practicum I ..... 4
- DMS 42103 Abdominal Sonography II ..... 3
- DMS 42301 Seminar II ..... 1
- DMS 42203 Obstetrical Sonography ..... 3
- DMS 42503 General Sonography Practicum II ..... 3
- DMS 43503 General Sonography Practicum III ..... 3
- DMS 43601 Registry Review ..... 1
- DMS 43701 Breast Sonography ..... 1
- DMS 48802 Selected Topics in DMS ..... 2

Total major area ..... 28
Total required hours for degree ..... 120

## DMS Academic Progression Requirements:

- All DMS courses must be taken in sequential order.
- The student must receive a minimum of a C (75%) or better in all required DMS Program courses to continue program.
- A minimum cumulative GPA of 2.0 must be maintained throughout the program.
- Students must successfully complete the associate degree program in order to be admitted into the bachelor's degree program.

Failure to meet any of the above Diagnostic Medical Sonography requirements will result in the student's dismissal from the program. The student may reapply to the program the following calendar year.

## DMS Graduation Requirements

- Meet all Rio Grande graduation requirements
- Earn a minimum "C" grade in all required DMS courses

## Additional Information:

Information about admission policies, transfer credit, tuition and fees, refund policies, academic calendars, academic policies, graduation requirements, and student services can be found in the URG/RGCC Course Catalog, which is available online.
For further information, individuals interested in the Diagnostic Medical Sonography Program are advised to contact the DMS Program Director, Megan Mullins at 740-245-7139 or mmullins@rio.edu.

**Office of Admissions**
***University of Rio Grande/Rio Grande Community College***
P.O. Box 500
Rio Grande, Ohio 45674-0500

Applicants may also contact the University by telephone at 740-245-5353 or 1-800-282-7201 (Toll free in OH, WV, KY and PA) or by fax 740-245-7260.

To view and/or print a copy of the Diagnostic Medical Sonography Program Fact Sheet, which includes a suggested course sequence, and/or the Diagnostic Medical Sonography Program application, visit the program's website at https://www.rio.edu/nursingandalliedhealth/diagnostic-medical-sonography/

The University of Rio Grande/Rio Grande Community

College reserves the right to change the admission requirements or policies. All requirements will be periodically updated.

# EDUCATION

**Bunce School of Education**
***College of Arts and Sciences***
Anniversary Hall
740-245-7328 office; 740-245-7523 fax
schoolofeducation@rio.edu

## Mission Statement

The School of Education at URG/RGCC holds a shared vision for its program, candidates and community. The URG/RGCC Bunce School of Education & Liberal Arts provides a challenging environment in which teacher candidates develop into professional individuals and are sensitive to Appalachian values. Our institution offers access to a professional career through a unique community college/private university configuration. An example of Rio Grande's unique nature is that through a particular program alignment, teacher candidates at URG/RGCC may opt for some combination of a two, plus two, plus two program which will take them almost seamlessly from a two-year Associate's Degree to a four year Bachelor's Degree and into a two-year Master's program. This allows the University of Rio Grande/Rio Grande Community College to open "Windows to the Future" for our candidates at all degree and licensure levels.

## Degrees Offered

- Bachelor of Science in the licensure areas of
  - Primary Pre-K- Grade 5 & Primary Pre-K-Grade 5 Intervention Specialist
  - Primary Pre-K-Grade 5 & Intervention Specialist (K-12)
  - Middle Childhood (Math, Language Arts, Social Studies, and Science)
  - Adolescent to Young Adult (Social Studies, Language Arts, and Math)
  - Intervention Specialist K-12
- Associate of Applied Science
  - Prekindergarten (Early Childhood Licensure)
  - Career-Technical Teaching
- Bachelor of Arts or Science – Minor in Health
- Minor – Sensory Impairment Education
- Certificate – Career Technical Licensure

## Bachelor of Science Learning Outcomes

The student will demonstrate:

- A knowledge base in their area of licensure
- A knowledge base of teaching principles and practices
- A depth of field experiences involving diverse public school populations
- Knowledge of incorporating Reading into instructional practice

## Associate of Applied Science Learning Outcomes

The student will demonstrate:

- A knowledge base of developmentally appropriate environments and practices
- A knowledge base that promotes cognitive, physical, social/emotional and creative growth in children birth-5 years
- In-depth field experiences involving diverse pre-k populations

## Accreditation

The University of Rio Grande is accredited by The Higher Learning Commission (HLC) of The North Central Association of Colleges and Schools (NCA). The Teacher Education unit has been approved by the Ohio Department of Education and accredited by the Council for the Accreditation of Educator Preparation. Additionally, some licensure areas are nationally recognized by their respective Specialized Professional Association; these are noted within each licensure area.

## Teacher Education Conceptual Framework

The Bunce School of Education & Liberal Arts at the University of Rio Grande (URG) recognizes the core values of our Appalachian culture, especially ties to community and place and connection to family. URG is a teaching and service institution whose primary focus is to provide educational opportunities and open "The Windows to the Future" for students of Appalachia in Southeast Ohio. This purpose is in alignment with the mission of the institution, historically and today.

The Bunce School of Education & Liberal Arts faculty provide the parameter for their conceptual framework through the theme of "Windows to the Future" which is accomplished through the Ohio Standards for the Teaching Profession. Three main organizers dominate the framework: the Focus of Teaching and Learning, the Conditions for Teaching, and Teaching as a Profession.

## Approved Licensure Areas

The University of Rio Grande has program approval from the Ohio Department of Education to offer teacher licensure in the following areas:

- Career Technical 27 Hour - ages 12 - 21 (grades 7-12)
- Prekindergarten
- K-12 Intervention Specialist
- Primary Pre-K- Grade 5 & Primary Pre-K-Grade 5 Intervention Specialist
- Primary Pre-K-Grade 5 & Intervention Specialist (K-12)
- Middle Childhood - ages 8 - 14 (grades 4 through 9)

*Must select **two** of the following concentrations:*

  - Language Arts

- Mathematics
- Social Studies
- Science

- Adolescent to Young Adult-ages 12 - 21 (grades 7-12)

*Must select **one** of the following licensure areas:*

- Integrated Language Arts
- Integrated Social Studies
- Integrated Mathematics

## Endorsements

The School of Education at the University of Rio Grande offers an Ohio Department of Education approved Early Childhood Generalist Endorsement attachment to the teaching license. This endorsement is available to Early Childhood candidates who wish to add grades 4-5 to their licensure areas. In order to obtain the Early Childhood Generalist Endorsement, teachers must successfully complete the courses outlined in the Endorsement program, and receive a passing score on the appropriate Pearson examination.

## Admission to the Teacher Education Program

The application for admission to the Teacher Education Program will be completed during the student's enrollment in EDU 20403 Planning for Instruction. Enrollment in upper level (30000-40000) education (EDU) courses is only allowed upon satisfaction of the following standards:

| Requirement | Specifics | Notes |
|---|---|---|
| 3.0 GPA in 3 classes | ENG 11103, 11203, and COM 11103 | |
| Overall 2.5 GPA | In 27 General Education hours | |
| ACT score of 19 | | For score of 17 or 18, see the Education Dept. Chair |
| Submit 2 essays | "The URG Conceptual Framework" and "My Philosophy of Education" | Completed during EDU 20403 and EDU 10303 |
| Sign a statement of Good Moral Character | | As defined in Section 3319.30 of the Ohio Revised Code |
| A clear background check | Apply through the Bureau of Criminal Investigation (BCI) | Available at the URG Bookstore |
| Current, clear tuberculosis test (TB) | | Test is available through URG Health Services |
| Pass an interview | Satisfactory rating by panel of EDU faculty | |

## Removal from Teacher Education Program

The Faculty Advisory Council will be chaired by the Education Chair. The Council may outline a program of improvement or recommend immediate removal from the Teacher Education Program. The candidate may file a grievance as outlined in the University of Rio Grande Student Handbook.

A candidate may be asked to appear before the Faculty Advisory Council for the Teacher Education Program comprised of full-time faculty of Teacher Education to address any one of the following issues:

1. Evidence that the candidate is not of Good Moral Character as defined in Section 3319.30 of the Ohio Revised Code. The state of Ohio will not license anyone convicted of a felony.
2. Failure to maintain a G.P.A. of at least 3.0 in licensure area and/or at least an overall 2.5 G.P.A. for greater than two consecutive semesters.
3. Concerns from the Coordinator of Field Experiences, principal, cooperating teacher, School of Education Faculty or other school personnel indicating unsuccessful field/clinical experiences, or moral character.
4. Concerns from faculty indicating a candidate's difficulties in URG School of Education knowledge, skills, dispositions, or moral character.

## Field Experience

All candidates registering for field experience courses, other than Clinical Practice, will note the following:

1. The teacher candidate must show verification before entering any field experience of a negative T.B. test according to Ohio State Law. URG Health Services is available to administer T.B. Tests for enrolled candidates.
2. Candidate must have a current and clear background check from BCI.
3. The teacher candidate will comply with all responsibilities outlined in the School of Education Field Experience Handbook. The teacher candidate will also comply with field requirements as outlined in course syllabi.
4. A teacher candidate may be removed from a field experience by the Coordinator of Field Experience. Procedures for removal are outlined in the Field Experience Handbook.
5. The field experience is a section of the course grade. An incomplete in a field experience will result in an incomplete or "F" in the course grade.

## Multi-culture Experiences

The teaching of multi-culture education is threaded through

the Professional Education courses. In addition, a course is designed to focus on multi-culture: EDU 30303 Multicultural Relations.

## Junior Field Experience

The final field experience for teacher candidates is EDU 39103 Junior Field Experience. Candidates must complete an application process prior to admission to Junior Field Experience. The application is submitted to the Junior Field Instructor and placement is handled by the Field Experience Coordinator. In addition to completing the application, the teacher candidate must adhere to the following standards:

1. A GPA of 2.5 in General Studies courses
2. A GPA of 3.0 in Professional Education courses, curriculum content, and in Methods courses (with no grade below a "C").
3. No final course grade of Incomplete or the letter grade of "F" on transcript.
4. Submit two letters of recommendation from faculty members (forms are included in the application). One recommendation must be from an Education faculty member and one from a Licensure Area faculty member.
5. The candidate must have verification of a negative TB test before entering Junior Field Experience.
6. Candidate must have a current and clear background check from BCI.
7. Completion of a majority of Methods Courses (form is included in the application).
8. EDU 33302 Integrating Educational Technology to be taken concurrently with Junior Field Experience.

## Clinical Practice

The capstone activity for the University of Rio Grande Teacher Education Program is twelve weeks of clinical practice. The teacher candidate must work with a master teacher in the classroom for the full day during this experience and must remain after school for the same amount of time that is required for the master teacher. The candidate will be assessed by the master teacher and the University of Rio Grande college supervisor using an assessment based on the Ohio Teaching Standards, Specialized Professional Association standards and URG School of Education standards.

## Admission to Clinical Practice

Teacher candidates must complete an application process, which is accompanied by a résumé and a degree audit. The Clinical Practice Coordinator is responsible for accepting and placing candidates into clinical practice. If the area of licensure requires two placements for clinical practice, the candidate will be placed in a setting that was not completed during the supervised experience in EDU 39103 Junior Field Experience.

**All candidates placed into Clinical Practice must adhere to the following performance standards:**

| Requirement | Specifics |
|---|---|
| 2.5 GPA | Overall |
| No "F" on transcript or a course grade of Incomplete. | |
| GPA of 3.0 with grade of "C" or better | In all Curriculum Content, Methods courses and Professional Education courses |
| Passing score | On required Ohio Assessment for Educator exams for pedagogy and content area. |
| Junior Field Experience | Grade of "C" or better |
| Current, clear tuberculosis test (TB) | Test is available through URG Health Services |
| Current, clear BCI and FBI background check | Available through URG Bookstore |
| Enroll in EDU 48902 | This course is taken concurrently with clinical practice. No other courses may be taken without Clinical Practice Coordinator approval. |

## Clinical Practice Experience

During the clinical practice experience, the teacher candidate will be expected to adhere to the following performance standards:

1. Orientation and seminars must be attended by the teacher candidate.
2. The teacher candidate must follow policies outlined in the Clinical Practice Handbook.
3. The teacher candidate must follow policies outlined in the School Handbook for the placement school. The teacher candidate is expected to follow the master teacher's assigned schedule including after school duties.
4. A grade of "B" or better is required for licensure.

## Removal from Clinical Practice

A teacher candidate may be removed from clinical practice by the Clinical Practice Coordinator. Procedure for removal

from clinical practice is outlined in the Clinical Practice Handbook.

After two unsuccessful attempts at clinical practice, the candidate will be required to repeat courses in the Teacher Education Program. Courses will be determined by the advisor, university supervisor (if a full-time instructor), and Director of Clinical Practice. The Education Chair may ask other faculty to participate in the decision-making process.

## Teacher Licensure

The Licensure Agent at the University of Rio Grande recommends teacher candidates to the Ohio Board of Education for teacher licensure. The following standards must be met before application for teacher license is recommended:

1. All of the performance standards listed under "Admission to Clinical Practice".
2. A letter grade of "B" or better in clinical practice.
3. A final audit which confirms successful completion of all course work required for the requested teacher license area(s).
4. A clear criminal background check and clear FBI check.

No person may receive a teacher license who has been convicted of a felony. University of Rio Grande Campus Bookstore has electronic fingerprinting available to students.

## Institutional Report Card: Title II

In April of each year, the University of Rio Grande issues an Institutional Report on the Quality of Teacher Education beginning with the 2000-2001 academic year. This report contains both summary information and data concerning the Pearson test passing rates of Teacher Education program completers of the previous academic year. Both aggregate and individual test data are reported. The Institutional Report on the Quality of Teacher Education is a federal mandate under the Higher Education Act of 1998: Title II, Section 207, which requires public reporting on the success of institutions in preparing teachers and is available on the ODE website.

## Degree Requirements

## Common General Education Requirements

The following General Education courses are required for Bachelor of Science degrees in Middle Childhood, AYA Language Arts, AYA Mathematics, and AYA Social Studies:

COM 11103 Fund of Speech Communication..... 3
ENG 11103 Composition I ..... 3
ENG 11203 Composition II..... 3
HIS 13103 or 13203 World Civilization I
or World Civilization II ..... 3
HPE 10101 Human Wellness & Physical Fitness..... 1
HPE** Any one (1) credit activity course ..... 1
LA 10001 Gateway to Success..... 1
PSY 11103 General Psychology ..... 3
PSY 21103 Human Growth & Development..... 3
Common General Education Total .....21

## Professional Education Requirements

The following Professional Education courses are required for Bachelor of Science degrees in Middle Childhood, AYA Language Arts, AYA Mathematics, AYA Social Studies, Multi-Age Health, Multi-Age Physical Education, and Multi-Age Visual Arts (Multi-Age requirements are listed under the program):

EDU 10303 School & Community ..... 3
EDU 20403 Planning for Instruction.....3
EDU 22403 Educating the Exceptional Learner.....3
EDU 30303* Multicultural Relations.....3
EDU 33302* Integrating Ed. Tech. into the
Curriculum .....2
EDU 34503 Classroom Management and Behavior
Intervention .....3
EDU 39103* Junior Field Experience .....3
EDU 41403* Educational Psychology .....3
EDU 48902* Portfolio .....2
Professional Education Total.....25

* Only students who have been accepted into the Teacher Education Program may enroll in 30000 & 40000 level EDU courses.

## Bachelor of Science – Primary Pre-K-Grade 5 and Pre-K-Grade 5 Intervention Specialist: Four Year Dual Licensure Program (40405)

This dual licensure program prepares candidates to teach in PreK- Grade 5 settings. It is approved by the Ohio Department of Education for Provisional Professional Licensure.

**General Education**

COM 11103 Fund of Speech Communication.....3
ENG 11103 Composition I .....3
ENG 11203 Composition II.....3
BIO 11404 Principles of Biology .....4
EDU 11503 Arts in Education .....3
HIS 12103 American History I.....3
LA 10001 Gateway to Success .....1
MTH 11505 Math for Educators I .....5
PSY 11103 General Psychology.....3
PSY 21103 Human Growth & Development.....3
EDU 35403 Science for Elem./Mid School .....3
HPE 20103 PE Class Activities.....3
Select one of the following:
ENG 24103 The Literary Imagination
HUM 20103 The Humanities
PHR 21103 Philosophical Inquiry……3
General Education Total .....40

**Professional Education**

Common Professional Courses (excluding EDU 20401) ..... 22
EDU 12301 The Science of Reading ..... 1
EDU 22703 Science, Health, & Nutrition Methods ECE/ISK12/ECSE ..... 3
EDU 22603 Content Area Reading for ECE/ ISK-12/ECSE ..... 3
EDU 24603 Social Studies Methods ECE/ ISK-12/ECSE ..... 3
EDU 26501 Middle Childhood Seminar ..... 1
EDU 31503* Phonics for ECE/ISK-12/ECSE ..... 3
EDU 31603* Reading Methods for ECE/ ISK-12/ECSE ..... 3
EDU 44403* Reading Assessment & Development ... 3
EDU 47803* Math Methods ..... 3
EDU 48510* Clinical Practice: Primary PK-5 and PK-5 IS ..... 10
Professional Education Total ..... 55

**Curriculum Content**

EDU 20203 Intro to Infant, Child, & Adolescent Development ..... 3
EDU 20303 Learning Environments ..... 3
EDU 23303 Family, School, & Community Collaboration ..... 3
EDU 25303 Professional Practices ..... 3
EDU 25503 Assessment in Education ..... 3
EDU 26103 Intro to Mild/Mod. Disabilities ..... 3
EDU 32203* Constructivist Practices ..... 3
EDU 34503* Classroom Mgmt. & Behavior Intv ... 3
EDU 36702* Math for Elem/Mid School Teach ..... 2
EDU 40103* Certifications for Educators ..... 3
EDU 36803* Special Ed. Programming PK-5 ..... 3
HIS 22503 History of Ohio ..... 3
Total Curriculum Content ..... 35
Total Hours Required For Degree ..... 130

* Only students who have been accepted into the Teacher Education Program may enroll in 30000 & 40000 level EDU courses.

## Bachelor of Science – Primary Pre-K-Grade 5 and Intervention Specialist (K-12): Four Year Dual Licensure Program (40406)

This dual licensure program prepares candidates to teach in the PreK-Grade 12 settings.

**General Education**

Common General Education Courses ..... 21
COM 11103 Fund of Speech Communication ..... 3
ENG 11103 Composition I ..... 3
ENG 11203 Composition II ..... 3
BIO 11404 Principles of Biology ..... 4
EDU 11503 Arts in Education ..... 3
HIS 12103 American History I ..... 3
LA 10001 Gateway to Success ..... 1
MTH 11505 Mathematics for Educators I ..... 5
PSY 11103 General Psychology ..... 3
PSY 21103 Human Growth & Development ..... 3
EDU 11503 Arts in Education ..... 3
EDU 35403 Science for Elem/MS Teachers ..... 3
HPE 20103 PE Class Activities ..... 3
Select one of the following:
ENG 24103 The Literary Imagination
HUM 20103 The Humanities
PHR 21103 Philosophical Inquiry ..... 3
General Education Total ..... 40

**Professional Education**

Common Professional Courses (excluding EDU 20401) ..... 22
EDU 12301 The Science of Reading ..... 1
EDU 22703 Science, Health, & Nutrition Methods ECE/ISK12/ECSE ..... 3
EDU 22603 Content Area Reading for ECE/ ISK-12/ECSE ..... 3
EDU 24603 Social Studies Methods ECE/ ISK-12/ECSE ..... 3
EDU 26501 Middle Childhood Seminar ..... 1
EDU 31503* Phonics for ECE/ISK-12/ECSE ..... 3
EDU 31603* Reading Methods for ECE/ ISK-12/ECSE ..... 3
EDU 44403* Reading Assessment & Development ... 3
EDU 47803* Math Methods ..... 3
EDU 48610* Clinical Practice: Primary PK-5 and K-12 IS ..... 10
Professional Education Total ..... 55

**Curriculum Content**

EDU 20203 Intro to Infant, Child, & Adolescent Development ..... 3
EDU 20303 Learning Environments ..... 3
EDU 23303 Family, School, & Community Collaboration ..... 3
EDU 25303 Professional Practices ..... 3
EDU 25503 Assessment in Education ..... 3
EDU 26103 Intro to Mild/Moderate Disabilites ..... 3
EDU 32203* Constructivist Practices ..... 3
EDU 34503* Classroom Mgmt. & Behavior Intv ..... 3
EDU 36702* Math for Elem/Mid School Teach ..... 2
EDU 40103* Certifications for Educators ..... 3
EDU 36903* Special Ed. Programming K-12 ..... 3
HIS 22503 History of Ohio ..... 3
Curriculum Content Total ..... 35
Total Hours Required for Degree ..... 130

* Only students who have been accepted into the Teacher Education Program may enroll in 30000 & 40000 level EDU courses.

## Bachelor of Science – K-12 Intervention Specialist (40470)

This licensure program prepares candidates to teach in the K-12 Intervention classroom settings.

**General Education**

COM 11103 Fund of Speech Communication ..... 3
ENG 11103 Composition I..... 3
ENG 11203 Composition II ..... 3
HPE 41403 PE for Exceptional Children ..... 3
EDU 11503 Arts in Education ..... 3
Select one of the following three courses:
  ENG 21403 Literary Imagination..... 3
  HUM 20103 Humanities ..... 3
  PHR 21103 Philosophical Inquiry..... 3
HIS 12103 American History I ..... 3
PSY 11103 General Psychology ..... 3
PSY 21103 Human Growth & Development ..... 3
LA 10001 Gateway to Success..... 1
MTH 11505 Mathematics for Educators I ..... 5
BIO 11404 Principles of Biology..... 4
EDU 35403* Science for Elem/Mid Teachers ..... 3
Total General Education Hours..... 40

**Professional Education**

EDU 10303 School and Community..... 3
EDU 12301 The Science of Reading ..... 1
EDU 20403 Planning for Instruction..... 3
EDU 22403 Educating the Exceptional Learner ..... 3
EDU 22703 Science, Health, Nutrition Methods ..... 3
EDU 30303* Multicultural Relations..... 3
EDU 33302* Integrating Edu Tech..... 2
EDU 34203* Content Area Read for IS/Multi-Age .. 3
EDU 31503* Phonics ECE/ISK-12/ECSE..... 3
EDU 31603* Reading Meth & Intervention ..... 3
EDU 39103* Jr. Field Experience..... 3
EDU 41403* Educational Psychology ..... 3
EDU 44403* Reading Assess & Dev. ..... 3
EDU 47803* Math Methods ..... 3
EDU 48902* Portfolio ..... 2
EDU 49810* Clinical Practice: ECE/IS K-12..... 10
Total Professional Education Hours..... 51

**Curriculum Content**

EDU 25303 Professional Practices..... 3
EDU 20203 Intro to Infant, Child & Adoles Dev ..... 3
EDU 20303 Learning Environments P-12 ..... 3
EDU 23303 Family, School & Comm Collab..... 3
EDU 25503 Assessment in Edu ..... 3
EDU 26103 Intro to Mild/Moderate Disabilities..... 3
EDU 34503* Classroom Mgmt. & Behavior Int..... 3
EDU 32203* Contruct. Practices in Edu..... 3
EDU 36903* Special Edu Program K-12..... 3
EDU 48704* Social Studies Methods ..... 4
Total Curriculum Content Hours..... 31

Total Hours Required for Degree .....122

* Only students who have been accepted into the Teacher Education Program may enroll in 30000 & 40000 level EDU courses.

## Bachelor of Science – Middle Childhood+

The Middle Childhood Licensure area has specific General Education requirements. Also required are Professional Education and Curriculum Content areas. Students electing to pursue the Middle Childhood Licensure program must select two area concentrations from the three options available: Language Arts, Mathematics, and Social Studies. Since this License program requires two (2) areas of concentration for a total of 38 - 62 hours, the suggested sequence requires more than a normal semester load of sixteen to seventeen hours. This licensure program prepares candidates to teach in Grade 4 - 9 Content Specific settings. It is nationally recognized by the Association for Middle Level Education (AMLE) and approved by the Ohio Department of Education for Initial Four-Year Resident Educator Licensure.

+ URG degree codes for this licensure area are:
  40415 – Language Arts/Social Studies
  40416 – Language Arts/Math
  40417 – Language Arts/Science
  40418 – Social Studies/Math
  40419 – Social Studies/Science
  40420 – Math/Science

**General Education**

Common General Education Courses .....21
MTH 11505 Mathematics for Educators I .....5
Select one of the following:
  ART 10303 Art Appreciation
  FPA 10503 Fine Arts .....3
Select one of the following:
  ENG 24103 The Literary Imagination
  HUM 20103 The Humanities
  PHR 21103 Philosophical Inquiry .....3
Select one of the following:
  BIO 11404 Principles of Biology
  BIO 12104 Biology I (required for Science concentration) .....4
Select one of the following courses
  CHM 10404 Principles of Chemistry (required for Science concentration)
  NSC 22304 Environmental Science
  PHY 10404 Principles of Physics .....4
General Education Total .....40

**Professional Education**

Common Professional Courses .....23
 EDU 23503 Content Area Reading for Middle Childhood .....3

EDU 26501 Middle Childhood Seminar I ..... 1
EDU 33203* Phonics for Middle Childhood..... 3
EDU 33403* Reading Methods for Middle Childhood ..... 3
EDU 44403* Reading Assessment & Development . 3
EDU 49210* Clinical Practice in the Middle Childhood Setting ..... 10

**Select two from the following:**

EDU 22203 Science, Health, & Nutrition Methods for MC ..... 3
EDU 26403 MC Integrated Social Studies Methods ..... 3
EDU 37503* MC Integrated Language Arts Methods ..... 3
EDU 48304* Math Methods & Intervention Techniques for MC ..... 4

Professional Education Total .....52-53

**Choose two concentrations from the four below:**

**Middle Childhood: Language Arts Concentration**

ENG 33403 The English Language..... 3
ENG 24703 AYA Literature ..... 3
Select one of the following:
COM 21103 Oral Interpretation
ENG 22103 Creative Writing..... 3
ENG 38103 Professional Writing..... 3
ENG 24803 Comparative World Literature ..... 3
ENG 28803 Selected Topics: Grammar ..... 3
ENG 37103 Literature and Media ..... 3
Total MC:LA Concentration.....21

**Middle Childhood: Mathematics Concentration**

MTH 21404 Introductory Probability & Statistics .....4
MTH 25403 Discrete Mathematics ..... 3
MTH 26603 Number Theory ..... 3
MTH 27403 College Geometry..... 3

**Select one of the following sequences based on placement exam:**

MTH 14505 Pre-calculus ..... 5
MTH 15105 Calculus I or
MTH 15105 Calculus I
MTH 15204 Calculus II .....4-5
Total MC Math Concentration.....22-23

**Middle Childhood: Social Studies Concentration**

HIS 13203 World Civilization II..... 3
POL 35103 Comparative Government ..... 3
SOC 24103 Minority Groups ..... 3
SOC 36103 Social Research..... 3
Select one of the following:
ATH 12103 Anthropology
SOC 11103 Introduction to Sociology..... 3

Select one of the following:
ECO 11403 Introduction to Microeconomics
ECO 12403 Introduction to Macroeconomics ..... 3
Select one of the following:
HIS 32103 American Cultural History I
HIS 32203 American Cultural History II .....3
Select one of the following:
POL 11103 American National Government
POL 12103 American State Government …… 3
Total MC: SS Concentration .....24
Total Hours Required for Degree ..... 130-141

**Middle Childhood: Science Concentration**

BIO 12204 Biology II .....4
NSC 12303 Descriptive Astronomy.....3
NSC 20303 Physical Geology.....3
NSC 22304 Environmental Science .....4
NSC 33202 Laboratory Management .....2
NSC 45303 Integrated Science .....3
Select one of the following
PHY 10404 Principles of Physics
PHY 17505 General Physics I (preferred)..... 4-5
Total MC: Science Concentration ..... 23-24

* Only students who have been accepted into the Teacher Education Program may enroll in 30000 & 40000 level EDU courses.

## Bachelor of Science – Adolescent to Young Adult

The Adolescent to Young Adult Licensure area has specific General Education requirements. Also required are Professional Education and Curriculum Content areas. Students electing to pursue the Adolescent to Young Adult Licensure program may select one program from three (3) program offerings: Integrated Language Arts, Integrated Mathematics, and Integrated Social Studies.

* URG degree codes for this licensure area are:

40431 – Adolescent to Young Adult Integrated Language Arts
40432 – Adolescent to Young Adult Integrated Mathematics
40434 – Adolescent to Young Adult Integrated Social Studies

## Adolescent to Young Adult Integrated Language Arts (40431)

This licensure program prepares candidates to teach in Grade 7-12 Integrated Language Arts settings. It is approved by the Ohio Department of Education for Initial Four-Year Resident Educator Licensure.

**General Education**

Common General Education Courses .....21
BIO 11404 Principles of Biology .....4
Select one from the following:
CHM 10404 Principles of Chemistry
NSC 22304 Environmental Science
PHY 10404 Principles of Physics .....4
ENG 24103 Literary Imagination .....3

Select one from the following:
FPA 10503 Fine Arts
ART 10303 Art Appreciation..... 3

Select one from the following:
MTH 14505 Pre-Calculus
MTH 15105 Calculus I
MTH 21404 Intro Probability & Statistics .....4-5
General Education Total.....39-40

**Professional Education**
Common Professional Courses ..... 23
EDU 32503* AYA Content Area Reading ..... 3
EDU 48604* Integrated Language Arts Methods ..... 4
EDU 49310* Clinical Practice in the AYA Setting .. 10
Professional Education Total ..... 40

**Curriculum Content**
ENG 24703 Adolescent to Young Adult Literature .....3
ENG 24803 Comparative World Literature ..... 3
ENG 33403 The English Language..... 3
ENG 37103 Literature and Media ..... 3
ENG 38103 Professional Writing..... 3
ENG 49003 Literature and Writing Seminar..... 3
ART 20204 Vector Graphics and Design..... 4
COM 21103 Oral Interpretation..... 3
ENG 21403 Business & Tech Writing ..... 3
ENG 22103 Creative Writing..... 3
ENG 28803 Selected Topics: Grammar ..... 3
ENG 25303 American Literature ..... 3
ENG 26303 British Literature ..... 3
COM 22203 Small Group Communication..... 3

Total Curriculum Content.....42
Total Hours Required for Degree.....123-124

* Only students who have been accepted into the Teacher Education Program may enroll in 30000 & 40000 level EDU courses.

## Adolescent to Young Adult Integrated Mathematics (40432)

This licensure program prepares candidates to teach Integrated Mathematics in Grade 7-12 settings. This program is approved by the Ohio Department of Education for Initial Four-Year Resident Educator Licensure.

**General Education**
Common General Education Courses ..... 21
BIO 11404 Principles of Biology..... 4
Select one from the following:
CHM 10404 Principles of Chemistry
NSC 22304 Environmental Science
PHY 10404 Principles of Physics..... 4
Select one from the following:
ENG 24103 Literary Imagination
HUM 20103 The Humanities
PHR 21103 Philosophical Inquiry .....3
Select one from the following:
FPA 10503 Fine Arts
ART 10303 Art Appreciation .....3
MTH 15105 Calculus I .....5
General Education Total ..... 40

**Professional Education**
Common Professional Courses .....23
EDU 32503* AYA Content Area Reading.....3
EDU 48404* Math Methods & Intervention Tech for AYA. .....4
EDU 49310* Clinical Practice in the Setting.....10
Professional Education Total ..... 40

**Curriculum Content**
MTH 15204 Calculus II .....4
MTH 15304 Multivariable Calculus .....4
MTH 21404 Intro. Prob & Stats .....4
MTH 21903 Additional Topics in Prob & Stat.....3
MTH 25403 Discrete Mathematics .....3
MTH 26603 Number Theory .....3
MTH 27403 College Geometry .....3
MTH 27703 Differential Equations I .....3
MTH 37403 Mathematical Models.....3
MTH 38403 Linear Algebra.....3
MTH 38603 Abstract Algebra.....3
MTH 43403 History of Mathematics.....3
Total Curriculum Content.....39
Total Hours Required For Degree .....120

* Only students who have been accepted into the Teacher Education Program may enroll in 30000 & 40000 level EDU courses.

## Adolescent to Young Adult Integrated Social Studies (40434)

This licensure program prepares candidates to teach the Integrated Social Studies Subject areas in Grade 7-12 settings. This program is nationally recognized by the National Council for the Social Studies (NCSS) and approved by the Ohio Department of Education for Initial Four-Year Resident Educator Licensure.

**General Education**
Common General Education Courses .....21
BIO 11404 Principles of Biology .....4
Select one from the following:
ENG 24103 Literary Imagination
HUM 20103 The Humanities
PHR 21103 Philosophical Inquiry .....3
Select one from the following:
CHM 10404 Principles of Chemistry
NSC 22304 Environmental Science
PHY 10404 Principles of Physics .....4
Select one from the following:
FPA 10503 Fine Arts

ART 10303 Art Appreciation..... 3
Select one from the following:
MTH 14505 Precalculus
MTH 15105 Calculus I
MTH 21404 Intro Probability & Statistics.....4-5
General Education Total .....39-40

**Professional Education**
Common Professional Courses..... 23
EDU 32503* AYA Content Area Reading ..... 3
EDU 48704* Social Studies Methods for AYA ..... 4
EDU 49310* Clinical Practice in the AYA Setting.....10
Professional Education Total ..... 40

**Curriculum Content**
ATH 12103 Anthropology ..... 3
ECO 11403 Introduction to Microeconomics ..... 3
ECO 12403 Introduction to Macroeconomics ..... 3
HIS 12103 American History I ..... 3
HIS 12203 American History II ..... 3
HIS 13103 World Civilization I ..... 3
Select one from the following:
HIS 32013 American Cultural History I
HIS 32203 American Cultural History II
HIS 22503 History of Ohio ..... 3
HIS 43703 History & Historians Seminar ..... 3
POL 11103 American National Government ..... 3
POL 31203 The American Constitutional System ..... 3
POL 35103 Comparative Government ..... 3
POL 45103 International Relations/Foreign Policy ... 3
SOC 11103 Introduction to Sociology..... 3
SOC 24103 Minority Groups ..... 3
SOC 36103 Social Research..... 3
Total Curriculum Content..... 45
Total Hours Required For Degree .....124-125

* Only students who have been accepted into the Teacher Education Program may enroll in 30000 & 40000 level EDU courses.

## Early Childhood Generalist Endorsement Coursework Inventory

This endorsement is approved by the Ohio Department of Education to allow candidates with an Early Childhood license to teach grades 4-5.

EDU 26501 Middle Childhood Seminar I ..... 1
EDU 35403* Science for Early/Middle Childhood Teachers..... 3
EDU 36602* Mathematics Process Standards for Educators ..... 2
HIS 22503 History of Ohio ..... 3
EC Generalist Total ..... 9
* Only students who have been accepted into the Teacher Education Program may enroll in 30000 & 40000 level EDU courses.

## Career-Technical Teacher Licensure Program

The primary purposes of the 27-hour Career-Technical Licensure program are to 1) provide a Licensure Program for Career-Technical teachers, 2) provide professional development opportunities for the certified career-technical teachers, and 3) to evaluate credentials of individuals desiring to become career-technical teachers. The 27-hour In-service Licensure Program for teachers recruited from business and industry requires actual employment in the occupational area for which approval for a teaching licensure is requested. Teachers must be knowledgeable and current in their field and currently employed by a District. The following is the required sequence of courses that must be completed at the University of Rio Grande for an Ohio Career-Technical License in the program for Career-Technical Teachers Recruited from Business and Industry.

## Learning Outcomes for Certificate in Career Technical Education

The beginning teacher will learn:

- To establish strategies for classroom management that will promote positive relationships, cooperation, and a safe learning environment.
- To use proven researched teaching and learning practices.
- To put into practice a variety of instructional strategies.
- To plan formal and informal assessment strategies to evaluate students and the learning process.
- To use a variety of activities, materials and resources to enhance student learning.
- Differences in the ways students learn and perform.
- The areas of exceptionality in student learning, the major challenges in each category, and the major classroom and instructional issues related to each category.
- Approaches for accommodating various learning styles, intelligences and exceptionalities.
- The influences of individual experiences, talents, prior learning, language, culture, and community values on student learning.
- Major legislation related to students' rights and teacher responsibilities.

## Learning Outcomes for Associate of Applied Science in Career Technical Education

The beginning teacher will learn:

- Differences in the ways students learn and perform.
- The areas of exceptionality in student learning, the major challenges in each category, and the major
- classroom and instructional issues related to each category.
- Approaches for accommodating various learning styles, intelligences and exceptionalities.
- The influences of individual experiences, talents, prior

learning, language, culture and community values on student learning.
- Major legislation related to students' rights and teacher responsibilities.
- Differences in the ways students learn and perform.
- The areas of exceptionality in student learning, the major challenges in each category, and the major classroom and instructional issues related to each category.
- Approaches for accommodating various learning styles, intelligences and exceptionalities.
- The influences of individual experiences, talents, prior learning, language, culture and community
- values on student learning.
- Major legislation related to students' rights and teacher responsibilities.

## Career-Technical Teacher Licensure Program (4002)

Career-Technical Teacher Licensure courses must include:
EDU 12503 AYA Content Area Reading for CT..... 3
EDU 20003 Planning for Instruction/Classroom Mgmt for CT ..... 3
EDU 24003 Found. & Assmt of Teach & Learn……3
EDU 22103 Observation and Visitation I ..... 3
EDU 23203 Observation and Visitation II ..... 3
EDU 27003 Curriculum Align & Tech. Lit……3
EDU 27703 Diversity of Learners……..3
EDU 28003 Student Centered Leadership ..... 3
EDU 28503 Professional Development……..3
Total Hours Req'd For Licensure ..... 27

## Associate of Applied Science in Career Technical Teaching (4020)

**General Education**
General Education must include:
ENG 11103 Composition I ..... 3
ENG 11203 Composition II..... 3
FPA 10503 Fine Arts ..... 3
HPE 10101 Human Wellness & Physical Fitness..... 1
HPE Any one (1) credit activity course ..... 1
MTH 13404 College Algebra ..... 4
PHR 21103 Philosophical Inquiry ..... 3
PSY 11103 General Psychology ..... 3
COM 11103 Fund of Speech Communication ..... 3
General Education Total..... 23

**Professional Education**
EDU 10201 Technological Literacy ..... 1
EDU 12503 AYA Content Area Reading for CT..... 3
EDU 24003 Found. of Assmt of Teach & Learn..... 3
EDU 26103 Intro to Students with Mild/Moderate Disabilities ..... 3
EDU 27703 Diversity of Learners..... 3
EDU 28503 Professional Development ..... 3
EDU 28601 Professional Preparation ..... 1
Professional Education Total ..... 17

**Curriculum Content**
EDU 20003 Planning for Instruction/Classroom Mgmt for CT.....3
EDU 22102 Observation & Visitation I (yr 1).....2
EDU 22202 Observation & Visitation II (yr 1) .....2
EDU 26101 Observation & Visitation III.....1
EDU 26201 Observation & Visitation II (yr 2) .....1
EDU 27003 Curriculum Alignment & Tech Lit .....3
EDU 28003 Student Centered Leadership .....3
Career Technical Life Experience Credit*.....16
Total Curriculum Content.....15
Total Hours Required For Degree .....68

* These credit hours are awarded for experience, training, certificates, and licenses in a specific career technical field. (See the Life Experience Credit section in Academic Programs, Registrar, and Services of this catalog.

## Associate of Applied Science - Prekindergarten: Two-Year Licensure Program (4024)

Prekindergarten Licensure area has specific General Education requirements. This program is approved by the Ohio Department of Education for Initial Five-Year Associate License.

**General Education**
General Education must include:
COM 11103 Fund of Speech Communication .....3
ENG 11103 Composition I.....3
EDU 11503 Arts in Education .....3
EDU 22703 Science, Health & Nutrition Methods....3
HPE 20103 PE Class Activities Ages 3-Grade 9.....3
HPE 16203 Nutrition .....3
LA 10001 Gateway to Success.....1
MTH 11505 Mathematics for Educators I.....5
PSY 11103 General Psychology.....3
PSY 21103 Human Growth & Development .....3
General Education Total .....30

**Professional Education**
EDU 10303 School and Community .....3
+EDU 20403 Planning for Instruction .....3
EDU 22403 Educating the Exceptional Learner .....3
EDU 22603 Content Area Reading & Intervention ECE/ISK-12/ECSE .....3
Total .....12

**Curriculum Content**
+EDU 20203 Intro to Infant, Child, & Adolescent Dev (prenatal to YA) ECE/ISK-12/ECSE .....3
EDU 20303 Learning Environments P-12 ECE/ISK-12/ECSE .....3
EDU 25503 Assessment in Education ECE/ISK-12/ECSE .....3

EDU 23303 Family, School, & Community Collaboration ECE/ISK-12/ECSE ..... 3
EDU 28803 Behavior Intervention and Classroom Management ..... 3
EDU 28302 Early Childhood Dev. Portfolio ..... 2
EDU 29403 Early Childhood Seminar ..... 3
+HPE 24302 Safety & First Aid ..... 2
Total Curriculum Content ..... 22
Total Hours Required For Degree ..... 64

+ These courses not required for students holding a CDA credential.

### Bachelor of Arts or Science - Minor in Sensory Impairment Education (4030)

This academic minor is designed to provide interested students with an overview of hearing and visual impairment and its impact on persons. The academic minor provides a focus on the causes and life implications of a hearing or a visual impairment with emphasis on the P-12 educational implications of each of these.

EDU 29503 Orientation to Hearing Impairment ..... 3
EDU 29603 Sign System I ..... 3
EDU 29803 Orientation to Visual Impairment ..... 3
EDU 39503 Needs and Supports of the Hearing Impaired ..... 3
EDU 39603 Needs and Supports of the Visually Impaired ..... 3

## ENGLISH

**School of Liberal Arts & Social Sciences**
***College of Arts and Sciences***
Robert S. Wood Hall
740-245-7182 office; 740-245-7432 fax

### Mission Statement

The English Department's mission is to offer the gifts of reading, writing, critical thinking, and interpretative analysis, context and imaginative awareness, and appreciation and value via literature, language, and writing. In practical terms, the Department provides an associate degree, as well as a major and minor in English, contributes substantively to the General Education core curriculum, and prepares students for a variety of important careers. This major presents students with both the critical experience necessary to appreciate and understand literature from a wide variety of times, places, and genres and the frequent opportunity to develop critical, creative, and professional writing abilities, including the use of electronic media.

### Degrees Offered

- Bachelor of Arts or Science – Minor in English
- Associate of Arts - English

### Associate of Arts Learning Outcomes

The successful student will:

- Demonstrate rhetorical knowledge – the ability to analyze and act on understandings of audiences, purposes, and contexts in creating and comprehending texts.
- Apply critical thinking – the ability to analyze a situation or text and make thoughtful decisions based on that analysis through writing, reading, and research.
- Demonstrate writing processes – multiple strategies to approach and undertake writing and research.
- Exhibit knowledge of conventions – the formal and informal guidelines that define what is considered to be correct and appropriate, or incorrect and inappropriate, in a piece of writing.
- Demonstrate abilities to compose in multiple environments – from using traditional pen and paper to electronic technologies.

### Facilities

The English Department is located in Robert S. Wood Hall, which opened in September, 1989. Most English classes are taught in Wood Hall, which contains an auditorium, several general classrooms, seminar rooms, smart classrooms, and the Instructional Design and Media Center, which assists English faculty with online learning and additional technology. The offices of senior and adjunct English faculty members are on the second floor. The Jenkins Center for Student Success, located in the Jeanette Albiez Davis Library, directly supports English courses with an open computer lab, test- and note-taking skills, English tutoring, reading and learning strategies, time-management instruction, enhancement of writing skills, and accessibility support. The Jeanette Albiez Davis Library is essential to English research via the library's books, microforms, audiovisual materials, periodicals, government documents, online research databases, OhioLINK, and a traditional interlibrary-loan service. Campus Computing and Networking provides general and technical information and services to support English faculty and students.

### Admission Requirements and Procedures

The University of Rio Grande has a policy of open admissions. All students who enjoy reading and/or writing or who plan a career in which these things would be helpful are extended a special welcome to take English courses and perhaps major or minor in English or earn an associate degree. New students at the University submit a writing sample to determine placement in the first English course. Without placement testing in writing, students are required to enroll in ENG 10502 Reading & Writing.

### Degree Requirements

### Bachelor of Arts or Science – Minor in English (1430)

The minor in English is designed for students who are interested in, or enjoy, writing, reading, language, and

literature. This minor develops analytical reading and writing skills and practice, which are useful in a variety of careers since most professions require grammatical accuracy, writing expertise, and critical-analysis skills. The logical thinking and clear and exact communication developed through the study of literature in English and writing are typically required for many positions, such as personnel relations, sales, marketing, advertising, human resources, and social work. The English minor is useful for jobs in teaching, publishing, advertising, public relations, law, ministry, banking, industrial organization, and retail, as well as being an excellent foundation for graduate work in several fields.

General Education must include:
ENG 24103 The Literary Imagination ..... 3
Total General Education hours .....39-40

Minor Area required courses
ENG 24803 Comparative World Literature ..... 3
ENG 25303 American Literature ..... 3
ENG 26303 British Literature ..... 3
ENG 49003 Literature and Writing Seminar..... 3
Select one from the following three courses:
ENG 24703 Adolescent and Young Adult Literature
*or*
ENG 28803 Selected Topics: Literature *or*
ENG 37103 Literature and Media ..... 3
Select one from the following two courses:
ENG 28803 Selected Topics: Grammar *or*
ENG 33403 The English Language..... 3
Select one from the following two courses:
ENG 21403 Business and Technical Writing *or*
ENG 22103 Creative Writing *or*
ENG 38103 Professional Writing..... 3
Total minor hours..... 21

## Associate of Arts – English (1420)

The Associate Degree in English is designed for students who are interested in, or enjoy, writing, reading, language, and literature. This degree develops analytical reading and writing skills and practice, which are useful in a variety of careers since most professions require grammatical accuracy, writing expertise, and critical-analysis skills. The logical thinking and clear and exact communication developed through the study of literature in English and writing are typically required for many positions, such as personnel relations, sales, marketing, advertising, human resources, and social work. The Associate Degree is useful for jobs in teaching, publishing, advertising, public relations, law, ministry, banking, industrial organization, and retail, as well as being an excellent foundation for bachelors' degrees in several fields.
General Education must include:
ENG 24103 The Literary Imagination ..... 3
Total General Education hours.....39-40

Major Area required courses:
Select two from the following three courses:
ENG 21403 Business and Technical Writing *or*
ENG 22103 Creative Writing *or*
ENG 28803 Selected Topics: Writing .....6
Select four from the following five courses:
ENG 24703 Adolescent and Young Adult Literature *or*
ENG 24803 Comparative World Literature *or*
ENG 25303 American Literature *or*
ENG 26103 British Literature
ENG 28803 Selected Topics: Literature .....12
Total major area Hours .....18
Personal Electives..... 3-4
Total required hours for degree..... 60-62

# ENVIRONMENTAL SCIENCE

**School of Natural Sciences**
***College of Arts and Sciences***
Kidd Math/Science Center
740-245-7397 office; 740-245-7172 fax

## Mission Statement

The mission of the environmental science program is to provide the student with the necessary background and experience in the natural and social sciences to enable the student to enter an environmental career or continue on to graduate school.

## Degrees Offered

- Bachelor of Science – Comprehensive Major in Environmental Science
- Bachelor of Science or Arts – Minor in Environmental Science
- Associate of Science – Environmental Science

## Bachelor of Science Learning Outcomes

The successful student is able to:

- Explain, using appropriate terminology, the major concepts in environmental science including major environmental problems, their causes, consequences, and potential solutions.
- Explain the fundamentals of scientific inquiry, interpret the results of scientific investigations, and draw reasonable conclusions from data.
- Communicate scientific information in oral and written form.
- Relate models, theories and concepts to real world phenomena.
- Use standard scientific equipment appropriately and safely.
- Explain, using appropriate terminology, the major environmental laws in the United States.
- Function successfully in an environmental science internship.

## Associate of Science Learning Outcomes

The successful student is able to:

- Explain, using appropriate terminology, the major concepts in environmental science including major environmental problems, their causes, consequences, and potential solutions.
- Explain the fundamentals of scientific inquiry..
- Communicate scientific information in oral and written form.
- Relate environmental science concepts to real-world phenomena.
- Use standard scientific equipment appropriately and safely.

## Facilities

The Kidd Math/Science Center opened in 1985. With an award-winning masonry design, the center's front doors open to a glass atrium with live plants and a trickling pond. A spacious lobby follows with comfortable studying facilities. The center houses three large chemistry labs, three biology labs, one physics lab, one computer lab, lecture rooms, faculty offices and a large bent glass greenhouse that enhances the view of campus. McKenzie Hall opened in 1997 providing math/science students along with the nursing students two large lecture halls, a variety of lecture rooms, an anatomy lab, three computer labs, faculty offices and a conference room with a beautiful view of campus and the surrounding landscape.

The campus is located in a rural area with both on and off-campus sites available for field study of streams, lakes, wetlands and woodlands.

## Bachelor of Science - Comprehensive Major in Environmental Science (2342)

General Education (must include) ..... 39
BIO 12104 Biology I..... 4
NSC 22304 Environmental Science ..... 4
MTH 21404 Introductory Probability and Statistics ... 4
POL 11103 American National Government ..... 3
SOC 11103 Introduction to Sociology ..... 3

Major Area required courses.....58-62
BIO 12204 Biology II..... 4
BIO 20704 Ecology..... 3
CHM 15005 General Chemistry I ..... 5
CHM 15505 General Chemistry II ..... 5
CHM 26202 Organic Chemistry Lab I..... 2
CHM 26303 Organic Chemistry Theory I ..... 3
ECO 11103 Contemporary Economics..... 3
NSC 20303 Physical Geology..... 3
NSC 23101 Environmental Practicum ..... 1
NSC 49904 Directed Study Environmental Policy.... 4
NSC 49808 Environmental Internship ..... 8
PHY 10404 Principles of Physics ..... 4

30000-4000 electives from list below* ..... 12-15
BIO 47103 GIS App for Research Management..... 4

Select one Field Course:
BIO 35304 Field Biology and Methodology .....4
BIO 41303 Limnology.....3
BIO 36303 Local Flora.....3

Select one Environmental Health Course:
BIO 43404 Parasitology.....4
BIO 32603 Epidemiology.....3
BIO 38503 Environmental Toxicology .....3
BIO 30304 Microbiology.....4

Select one Biology/Ecology Course:
BIO 36804 Advanced Plant Biology .....4
BIO 32303 Mammalogy .....3
BIO 33404 Invertebrate Zoology.....4
BIO 36404 Genetics .....4
BIO 45303 Conservation Biology .....3
BIO 48101-04 Senior Research I..... 1-4
BIO 48202-04 Senior Research II..... 2-4
Total major area hours..... 58-62
Personal elective hours..... 19-22
Total required hours for degree .....120

Note: To graduate, a grade of "C-" or better is required in all core and elective courses in the program.

## Bachelor of Science or Arts Degree - Minor in Environmental Science (2344)

General Education must include ..... 39-40
One Biology Course.....4
One Chemistry Course..... 4-5

Minor Area required courses..... 18-19
ECO 11103 Contemporary Economics.....3
NSC 22304 Environmental Science.....4
NSC 20303 Physical Geology .....3
NSC 23101 Environmental Practicum.....1
NSC 49904 Directed Study Environmental Policy .....4
Choose one of the following:
NSC 49904 Directed Study (Research) .....4
SOC 36103 Social Research .....3
Selected Major and Personal elective hours..... 61-63
Total required hours for degree .....120

## Associate of Science – Environmental Science (2345)

General Education must include:
BIO 12104 Biology I .....4
MTH 21404 Intro Probability and Statistics .....4
NSC 22304 Environmental Science.....4
POL 11103 American National Government.....3
SOC 11103 Introduction to Sociology.....3
Total General Education hours ..... ....39

Major Area required courses
BIO 12204 Biology II .....4

BIO 20704 Ecology..... 4
CHM 15005 General Chemistry I ..... 5
CHM 15505 General Chemistry II..... 5
NSC 20303 Physical Geology..... 3
NSC 23101 Environmental Practicum ..... 1
Total major area hours ..... 22
Total required hours for degree..... 61

# GENERAL STUDIES

**School of Liberal Arts & Social Sciences**
***College of Arts and Sciences***

Robert S. Wood Hall
740-245-7182 office; 740-245-7432 fax

## Mission Statement

The Associate of Arts degree in General Studies is offered to students whose educational needs are best served by a broader based curriculum. The General Education component provides the first 39 credit hours of the program; the remaining credit hours are to be selected from a list of approved courses. Students will work with their advisor to determine the best courses to take based on their personal goals.

## Degree Offered

- Associate of Arts – General Studies

## Learning Outcomes

The successful student will:

- Develop marketable skills such as written and oral communication
- Think critically
- Develop a global perspective
- Develop an understanding of cultural diversity
- Gain a knowledge of a variety of disciplines

## Degree Requirements

## Associate of Arts – General Studies (9027)

Total General Education hours ..... 39
See the General Education Program section of the catalog for courses

**Select 21-26 hours from the following courses:**

**Health Studies**:
AHC 10101 Intro to Allied Health Professions..... 1
AHC 10202 Standards of Patient Care..... 2
AHC 13303 Medical Terminology I ..... 3
AHC 14301 Medical Terminology II..... 1
BIO 10104 Prin. Of Anatomy & Phys. I ..... 4
BIO 10204 Prin. Of Anatomy & Phys. II..... 4
HPE 10402 Intro to Sports & Exercise Prof..... 2
HPE 16203 Nutrition .....3
HPE 24302 Safety & First Aid .....2

**Mental and Social Science:**
PSY 11103 General Psychology.....3
PSY 13103 Stress Management.....3
PSY 21103 Human Growth & Development.....3
PSY 22804 Memory & Cognition .....4
PSY 25403 Behavior Modification.....3
SOC 11103 Intro Sociology.....3
SOC 24103 Minority Groups.....3
SOC 25103 Social Problems.....3
SWK 21103 Intro to Social Work.....3

**Business:**
ACC 11403 Principles of Accounting I .....3
ACC 12403 Principles of Accounting II.....3
BM 10403 Intro to Business .....3
BM 27403 Business Law.....3
ECO 11103 Contemporary Economics.....3
ECO 11403 Intro to Microeconomics.....3
ECO 12403 Intro to Macroeconomics .....3
MKT 21403 Principles of Marketing.....3

**Education:**
EDU 10303 School and Community .....3
EDU 11503 Arts in Education .....3
EDU 20203 Infant, Child, Adolescent Dev. .....3
HPE 10202 Intro to Health Education .....2

**Liberal & Creative Arts:**
ART 10403 Two-Dimensional Design .....3
ART 10503 Three-Dimensional Design .....3
ART 12403 Drawing I .....3
ART 15404 Western Art History I.....4
ART 20204 Vector Graphics and Design .....4
ART 21504 Printmaking I .....4
ART 23504 Ceramics I .....4
ART 24504 Sculpture I.....4
ART 26604 Darkroom Photography.....4
ART 26904 Digital Photography .....4
ART 28604 Painting I.....4
ATH 12103 Anthropology.....3
FPA 10503 Fine Arts .....3
HUM 20103 Humanities.....3
PHR 21103 Philosophical Inquiry .....3
PHR 21203 Ethics.....3
PHR 21403 Medical Ethics.....3

**Communications**
COM 11203 Interpersonal Communications .....3
COM 20103 Intercultural Communications .....3
COM 22203 Small Group Communication .....3
COM 22303 Interviewing.....3
COM 25203 Intro to Mass Communication .....3

**English**
ENG 21403 Business Tech Writing.....3
ENG 22103 Creative Writing .....3
ENG 24103 Literary Imagination .....3

ENG 25303 American Literature ..... 3
ENG 26303 British Literature ..... 3

**History**

HIS 12103 American History I ..... 3
HIS 12203 American History II ..... 3
HIS 13103 World Civ I ..... 3
HIS 13203 World Civ II ..... 3
HIS 22503 History of Ohio ..... 3
POL 11103 American National Government ..... 3
POL 11203 Intro to Constitutional Law ..... 3
POL 12103 American State Government ..... 3

**Languages**

SPA 11103 Elementary Spanish I ..... 3
SPA 11203 Elementary Spanish II ..... 3
EDU 29603 Sign Systems I ..... 3
EDU 29703 Sign Systems II ..... 3

**Technology:**

CS 20103 Programming I ..... 3
CS 20203 Programming II ..... 3
CS 21503 Intro to Database Systems ..... 3
ELE 10103 Basic Electricity/Electronics ..... 3
ELE 21103 Programmable Controllers I ..... 3
ELE 21203 Programmable Controllers II ..... 3
ELE 25003 Industrial Controls ..... 3
IT 10103 Intro to Information Technology ..... 3
IT 10203 MS Office/Internet I ..... 3
IT 20103 Windows OS & Hardware ..... 3
IT 21002 Cybersecurity ..... 2
MFG 10103 Basic Welding ..... 3
MFG 10203 GMAW Processes ..... 3
MFG 12403 Manufacturing Processes ..... 3
MFG 25403 Mechanical Skills ..... 3
MFG 27102 OSHA ..... 2
TEC 11704 Technical Math I ..... 4
TEC 11804 Technical Math II ..... 4

**Science & Math:**

BIO 12104 Biology I ..... 4
BIO 12204 Biology II ..... 4
BIO 25203 Wildlife Mgmt: Prin and Prac ..... 3
CHM 10404 Principles of Chemistry ..... 4
CHM 15005 General Chemistry I ..... 5
CHM 15505 General Chemistry II ..... 5
CHM 26202 Organic Chemistry Lab I ..... 2
CHM 26303 Organic Chemistry Theory I ..... 3
CHM 27202 Organic Chemistry Lab II ..... 2
CHM 27303 Organic Chemistry Theory II ..... 3
MTH 14505 Pre-Calculus ..... 5
MTH 15105 Calculus I ..... 5
MTH 15204 Calculus II ..... 4
MTH 21404 Intro Probability & Stats ..... 4
NSC 22304 Environmental Science ..... 4
NSC 20303 Physical Geology ..... 3
PHY 10404 Principles of Physics ..... 4
PHY 17505 General Physics I with Algebra ..... 5
PHY 18505 General Physics II with Algebra ..... 5
PHY 20505 General Physics I with Calculus ..... 5
PHY 21505 General Physics II with Calculus ..... 5

Total hours needed to graduate ..... 60-65

# HEALTH CARE ADMINISTRATION

**Emerson E. Evans School of Business**
***College of Professional & Technical Studies***
Bob Evans Farm Hall
740-245-7373 office; 740-245-7110 fax

## Mission Statement

The Health Care Administration would prepare students to enter management practice in a health care setting. The program prepares students for management positions in a wide variety of health care settings and facilities including, but not limited to, medical practices, hospitals, home-health organizations, health departments, and nursing homes.

## Degrees Offered

- Bachelor of Arts or Science – Professional Certificate & Minor in Health Care Administration
- Bachelor of Technical Studies-Applied Health Care Administration (2+2 Program)

## Bachelor of Technical Studies Learning Outcomes

Students will:

- Demonstrate proficiency in business communication utilizing word processing, spreadsheet, presentation, and database software.
- Explain the legal concepts associated with business and Healthcare Administration and describe their impact on business decisions.
- Understand and develop an implementation plan, using project management methods and software.
- Demonstrate effective oral and written communication skills.
- Identify and explain the components of the healthcare delivery system in the United States and its internal and external factors.
- Demonstrate critical thinking and effective decision-making through the utilization of data analysis.
- Demonstrate managerial practices that are ethical, professional, and legal.
- Use information technology to collect and analyze organizational data.
- Analyze departmental or organizational challenges and develop a project or strategy in response to the analysis.

## Certificate and Minor Learning Outcomes

Students will:

- Understand ethical principles and how they apply to various situations in health care.

- Demonstrate knowledge of acute care facilities and managerial practices that are ethical, professional, and legal.
- Demonstrate proficiency in business communication utilizing word processing, spreadsheet, presentation, and database software.

## Facilities

The Bob Evans Farm Hall was built in 2001, and is the home of the Emerson E. Evans School of Business. A distinctive tower creates a central sky light in the center of the building, which houses three computer labs, faculty offices, a student lounge area, large and small meeting rooms, as well as classrooms.

Most business classes meet in Bob Evans Farm Hall with enough classroom space to house other courses on campus also.

## Additional Assessment Requirements for Business Majors:

All business students must take the following pre and post-tests prior to graduation.

- **Associate Degree –** Pre-Test First Semester & Post-Test prior to graduation.
- **Baccalaureate Degree –** Pre-Test First Semester and Post-Test prior to graduation PLUS the Major Field Test in Business or an assigned equivalent.

## Degree Requirements:

For a complete listing of requirements, see the Business Management section of this catalog.

## Bachelor of Technical Studies Applied Health Care Administration (2+2 Program) (50513)

***Holzer School of Nursing & Allied Health***
***College of Professional & Technical Studies***

The School of Allied Health offers students who have **completed an Associate's Degree in an Allied Health field** to continue their education with the Bachelor of Technical Studies (BTS) - Applied Health Care Administration (2 + 2 Program). Students who have not completed an Allied Health Associate's Degree but are interested in the Health Care Administration field, have the opportunity to major in Business Management with a Minor in Health Care Administration. See the School of Business' Business Management section for more information about this program.

The 2+2 program is designed to provide health care professionals with an associate degree from an accredited institution, an opportunity to complete a bachelor degree in Health Care Administration by completing 42 credit hours of specified courses and 18 general education credit hours (please refer to the listed degree requirements).
The majority of the courses in the HCA BTS Program are offered online allowing convenient degree completion for the working professional.

The Applied Health Care Administration BTS degree is offered through the School of Allied Health and consists of:

- A minimum of forty-eight (42) credit hours in core courses.
- A minimum of eighteen (18) hours of general education hours for completion of the required General Education Program.
- A minimum of thirty-three (33) credit hours at the 300/400 level.
- A maximum of 125 total credit hours necessary to graduate with a BTS degree in **HCA (based on an associate degree with a minimum of 65 hours).**

Associate Degree in related health care profession..... 65

General Education must include:
MTH 21404 Intro Probability & Statistics .....4
PSY 11103 General Psychology.....3
PHR 21403 Medical Ethics.....3
Total General Education hours.....18

Business core required courses
ACC 11403 Principles of Accounting I.....3
ACC 12403 Principles of Accounting II .....3
BM 20403 Principles of Business Management .....3
Total Business Core hours..... 9

Major Area required courses
BM 31403 Human Resource Management .....3
BM 44503 Project Management .....3
BM 46403 Operation Management.....3
COM 33103 Health Communication .....3
FIN 35403 Financial Administration of Healthcare Facilities ..... 3
HCA 31104 Fundamentals of Health Care Management.....4
HCA 31204 Administration of Acute Care Facilities.....4
HCA 31303 Population Health .....3
HCA 41104 Concepts in Acute Care Facility Management.....4
HCA 41203 Healthcare & Aging Patient .....3
Total Major Area hours .....33
Total required hours for degree .....120

## For Additional Information

Health Care Administration program information can be found at https://www.rio.edu/academics/find-your-program/healthcare-administration or contact Hilliary Blakeman Program Advisor & Professor at hblakeman@rio.edu.

Admissions Office 1-800-282-7201
URG/RGCC – www.rio.edu
Online Admission Application-
https://www.rio.edu/admissions/apply/

# HISTORY

**School of Liberal Arts & Social Sciences**
***College of Arts and Sciences***
Robert S. Wood Hall
740-245-7182 office; 740-245-7432 fax
schoolofsocialscience@rio.edu

## Mission Statement

A study of history should make the past more intelligible, give an insight into continuing human problems, and develop a confidence in humankind's ability to cope with new environmental conditions. Moreover, an understanding of our own history and that of people who differ from us sharpens the critical faculties and tends to arouse a sense of social responsibility.

## Degrees Offered

- Bachelor of Science – Major in History
- Bachelor of Science – AYA Integrated Social Studies (see requirements listed under Education)
- Associate of Arts – Concentration in History
- Bachelor of Arts or Science – Minor in History

## Bachelor of Science Learning Outcomes

The Student will:

- Apply critical thinking to analyze primary and secondary sources.
- Explain the cause, effect, and relevance of specific historical events and/or periods within the broader historical context.
- Understand and articulate diverse historical interpretations.
- Clearly demonstrate the ability to understand and apply basic historical concepts, methodologies, and approaches.
- Articulate historical arguments in a variety of forms of communication.

## Associate of Arts Learning Outcomes

The Student will:

- Acquire substantive knowledge of the major social, political, and economic themes in a variety of history fields.
- Understand the ways in which the study of the past informs the present.
- Understand the methodologies historians utilize.
- Apply critical thinking to analyze primary and secondary sources.

## Degree Requirements

## Bachelor of Science – Major in History (1540)

General Education must include:
HIS 12203 American History II
HIS 13103 World Civilization I
*The following six courses are required.*
HIS 12103 American History I .....3
HIS 13203 World Civilization II .....3
HIS 23703 Introduction to the Study of History ....3
HIS 22503 History of Ohio .....3
HIS 22603 Native Americans .....3
HIS 43703 History and Historians Seminar .....3
Select five courses from the following list:
HIS 26303 The Habsburg Empire, 1526-1918
HIS 26403 The Ottomans
HIS 32103 American Cultural History I
HIS 32203 American Cultural History II
HIS 36103 Europe in the 19th and 20th Centuries
HIS 37103 The West in Crisis, 1900-1945
HIS 37203 Nazi Germany
HIS 37303 The Interwar Period, 1919-1939
HIS 37403 The Cold War
HIS 41103 War and Genocide
HIS 44803 Writing the History Paper
HIS 48101-03 History Internship
HIS 48801-03 Selected Topics in History
Total five courses, three credit hours each .....15
At least 16 hours of HIS courses must be at the 300-400 level.

Total General Education hours ..... 42-45
Selected Minor and Personal electives .....51-54
Total hours needed to graduate .....125

## Associate of Arts Degree – History (1520)

General Education must include:
IT 10103 Introduction to Information Technology OR
IT 10203 MS Office and the Internet I .....3
Total General Education hours .....42
Select four from the following seven courses:
HIS 12103 American History I
HIS 12203 American History II
HIS 22503 History of Ohio
HIS 22603 Native Americans
HIS 23703 Introduction to the Study of History
HIS 26303 The Habsburg Empire, 1526-1918
HIS 26403 The Ottomans
Total four courses, three credit hours each .....12
Personal electives .....7
Total hours needed to graduate .....64

## Bachelor of Science or Arts – Minor in History (1530)

General Education must include:
HIS 12203 American History II ..... 3
HIS 13203 World Civilization II ..... 3
Total General Education hours .....42-45
HIS 43703 History and Historian Seminar..... 3
Select three HIS at 30000-40000 level ..... 9
Total Minor hours ..... 12
Selected Major and Personal electives.....50-53
Total hours needed to graduate ..... 124

**Adolescent to Young Adult Teacher Licensure in Integrated Social Studies and Middle Childhood Teacher Licensure Concentration in Social Studies (See School of Education).**

# INDUSTRIAL AUTOMATION AND MAINTENANCE

**School of Technologies**
***College of Professional & Technical Studies***
Industrial Automation and Maintenance
Davis Career Center
740-245-7301 office; 740-245-7440 fax

## Mission Statement

The Industrial Automation and Maintenance degree shall produce graduates who are immediately employable into entry-level technical positions in a wide variety of industrial, manufacturing, power generation, and production support jobs.

The Industrial Automation and Maintenance program is a two-year technical program leading to an Associate of Technical Studies Degree in Industrial Automation and Maintenance.

Studies in the Industrial Automation and Maintenance focus on the installation, repair, and maintenance of the electronic equipment used to control manufacturing and power generation processes. Programmable controllers, industrial controls, and robotic systems integration are emphasized. The solid foundation of coursework and hands-on training in the laboratories will allow the graduate technician to quickly become a productive and promotable employee.

## Degrees Offered

- Associate of Technical Studies– Industrial Automation and Maintenance
- Bachelor of Science - Industrial Technology (using the Associate of Technical Studies in Industrial Automation and Maintenance degree as the first two years of the Industrial Technology degree, see Industrial Technology)

## Learning Outcomes

The successful student will:

- have a working knowledge of AC and DC circuits.
- be familiar with basic electrical test equipment such as multi-meters, oscilloscopes, power supplies and meggers
- be familiar with electrical safety practices and arc flash hazard protection.
- be able to test common industrial electrical components using manufacturers test procedures and basic electrical test equipment.
- be capable of troubleshooting common industrial control circuits.
- be capable of troubleshooting programmable logic control circuits.
- be familiar with closed loop feedback process control systems and related electrical components.
- begin preparation for the Certified Electronics Technician examination (CET).
- demonstrate the habit of practicing safety rules and regulations, including lock/out-tag/out, on a continuous basis.
- read and interpret control circuit ladder diagrams.

## Facilities

Two electronics labs located in Davis Career Center are utilized for most of the electronics courses. The labs have good quality bench electronics test equipment, internet access, basic hand tools, personal safety gear, programmable controllers, and various robots.

The Industrial Automation and Maintenance labs in the E.E. Davis Career Center is equipped with work stations constructed with standard industrial electrical and hydraulic components. These work stations allow students to construct and troubleshoot the actual type of electrical circuits used in industry.

## Degree Requirements

## Associate of Technical Studies –Industrial Automation and Maintenance (94217)

General Education must include:
COM 11103 Fundamentals of Speech.....3
ENG 11103 Composition I*.....3
ENG 21403 Business & Technical Writing.....3
HIS Any 3-Hour History Course .....3
IT 10103 Introduction to Information Technology....3
LA 10001 Gateway to Success.....1
TEC 11704 Technical Mathematics I* .....4
TEC 11804 Technical Mathematics II.....4
PSY 11103 General Psychology.....3
HPE 24302 First Aid and Safety .....2
Total General Education hours.....29

Major Area required courses
ELE 10103 Basic Electricity/Electronics..... 3
ELE 21103 Programmable Controllers I ..... 3
ELE 21203 Programmable Controllers II ..... 3
ELE 25003 Industrial Controls..... 3
ELE 27003 Robotics ..... 3
MFG 11102 Blueprint Reading ..... 2
MFG 14103 Schematic Diagram Reading ..... 3
MFG 16102 Hydraulics & Pneumatics ..... 2
MFG 24302 Electrical Troubleshooting & Repair..... 2
MFG 25103 Power Transmission Devices ..... 3
MFG 25302 Preventative Maintenance ..... 2
MFG 25403 Mechanical Skills.....3
MFG 26102 Advanced Hydraulics & Pneumatics ..... 2
MFG 27102 OSHA ..... 2
Total Major Area hours..... 36
Total required hours for degree..... 65
* Placement determined by testing.

NOTE: This degree is a direct pathway to the Bachelor of Science in Industrial Technology (BSIT) degree.

## Additional Academic Requirements

Graduation requires students to achieve a 2.00 overall grade point average in all Electronics courses and a 2.00 overall grade point average in all coursework in order to receive an associate's degree.

To view and/or print a copy of the Electronics—Industrial Automation & Maintenance Fact sheet, which includes a suggested course sequence; visit the program's website at https://www.rio.edu/academics/find-your-program/industrial-technology

# INDUSTRIAL MACHINERY

**School of Technologies**
***College of Professional & Technical Studies***
Davis Career Center
740-245-7301 office; 740-245-7440 fax

## Mission Statement

The Industrial Machinery degree shall produce graduates who are immediately employable into entry-level technical positions in a wide variety of industrial, manufacturing,, power generation, and production support jobs.

## Degrees Offered

- Associate of Technical Studies– Industrial Machinery
- Bachelor of Science - Industrial Technology (using the Associate of Technical Studies in Industrial Machinery degree as the first two years of the Industrial Technology degree, see Industrial Technology)

## Learning Outcomes

The successful student will:

- Demonstrate a working knowledge of common industry safety practices.
- Demonstrate a working knowledge of basic electrical concepts.
- Demonstrate a working knowledge of common industrial hand tools and precision measuring tools.
- Demonstrate a working knowledge of industrial fasteners.
- Demonstrate a working knowledge of hydraulic, pneumatic, and vacuum systems.

## Degree Requirements

## Associate of Technical Studies –Industrial Machinery (94251)

General Education must include:
LA 10001 Gateway to Success .....1
IT 10103 Intro to Info. Tech. .....3
ENG 11103 Composition I* .....3
PSY 11103 General Psychology .....3
TEC 11704 Technical Math I* .....4
HPE 24302 Safety & First Aid .....2
COM 11103 Fundamentals of Speech .....3
Any 3-Hour HIS Course .....3

ENG 21403 Business Tech Writing.....3
OR
ENG 11203 Composition II.....3

TEC 11804 Technical Math II .....4
OR
MTH 21404 Intro Prob & Stats .....4
MFG 27101 OSHA 10 General Industry .....1
Total General Education Hours .....30

Major Area required courses
ELE 10103 Basic Electricity/Electronics .....3
MFG 22503 Industrial Prints & CAD.....3
MFG 25403 Mechanical Skills .....3
MFG 16102 Hydraulic, Pneumatic & Vac Systems ..2
MFG 25302 Preventative & Predictive Maint .....2
MFG 10103 Basic Welding .....3
MFG 20103 Advanced Welding .....3
MFG 12403 Manufacturing Processes.....3
MFG 22603 Fanuc CNC.....3
MFG 22703 Water, Cooling & Filtration Systems ....3
MFG 22801 Rigging.....1
MFG 26102 Advanced Hydraulics .....2
Total Major Area Hours.....31
Total required for degree .....61
* Placement determined by testing.

NOTE: This degree is a direct pathway to the Bachelor of Science in Industrial Technology (BSIT) degree

# INDUSTRIAL TECHNOLOGY

**School of Technologies**
***College of Professional & Technical Studies***
Davis Career Center
740-245-7301 office; 740-245-7440 fax

## Mission Statement

The objective of the Industrial Technology program is to produce a graduate with skills and knowledge needed for technical management positions in industry. Courses in Industrial Technology supplement the student's associate degree by additional coursework in subjects not previously studied and/or more advanced courses.
Industrial Technology (IND) is a 2+2 program that provides the second two years of education leading to a Bachelor of Science Degree in Industrial Technology (BSIT). Prior to entering the program, students must have completed an Associate of Science, Associate of Applied Science or Associate of Technical Studies degree in an Engineering Technology field from a regionally accredited university, college, community college, or technical college. Industrial Technology is a comprehensive major requiring at least thirty- three (33) credit hours of 30000/40000 level coursework, a minimum of twenty-four (24) hours of Industrial Technology technical electives, and a minimum of 124 credit hours total.

BSIT graduates have found employment in industries as Manufacturing Engineers, Quality Engineering Technicians, Production Engineering Technicians, and Engineering Managers.

The student will be preparing to take the Certified Manufacturing Technologist Examination given by the Society of Manufacturing Engineers.

## Degree Offered

- Bachelor of Science – Industrial Technology

## Bachelor of Science Learning Outcomes

The successful student will:
- have a working knowledge of business practices in industry.
- convey good people and communication skills.
- demonstrate knowledge of common practices of employer and employee relationships.

## Program Admission Requirements

- Must have an approved Associate degree that can count towards the first two years of the BSIT.
- 2.0 accumulative GPA in Associates Degree

## Degree Requirements
## Bachelor of Science – Industrial Technology (5040)

Select one of the following three courses
CHM 10404 Principles of Chemistry
NSC 22304 Environmental Science
BIO 11404 Principles of Biology.....4

Major Area required courses
ACC 10503 General Accounting Fundamentals …… 3
BM 20403 Principles of Management .....3
BM or MKT courses at the 30000/40000 level .....6
ECO 11403 Introduction to Microeconomics.....3
IND 35202 Preventative Maintenance .....2
IND 37102 OSHA .....2
IND 45403 Certification Seminar .....3
PHY 17505 General Physics with Algebra I .....5
PHY 32303 Statics and Strengths .....3
Total Major Area hours .....30
Selected IND electives (minimum 24).....24 or more*
*Depending on the number of hours in the Associates degree.
Total required hours for degree .....124

**NOTE:** A minimum of twenty-four (24) of IND technical electives are required. Courses used for securing the Associate's Degree cannot be used again for the BSIT.

Industrial Technology – Technical Electives
IND 30503 Basic Electricity/Electronics .....3
IND 31102 Blueprint Reading for Industry.....2
IND 31103 Programmable Controllers I .....3
IND 31603 Schematic Diagram Reading .....3
IND 31503 Basic Welding .....3
IND 32403 Manufacturing Processes .....4
IND 32203 Basic Pipe Welding .....3
IND 33103 Advanced Pipe Welding .....3
IND 34103 Materials and Metallurgy .....3
IND 35003 Industrial Controls .....3
IND 35103 Power Transmission Devices..... 4
IND 35202 Preventive Maintenance .....2
IND 35503 Mechanical Skills.....3
IND 36102 Hydraulics & Pneumatics.....2
IND 36103 Weld Testing & Inspection .....3
IND 36202 Mechanical Troubleshooting .....2
IND 37102 Occupational Safety .....2
IND 40103 Advanced Welding .....3
IND 41203 Programmable Controllers II.....3
IND 41303 Computer Network Security .....3
IND 44202 Electrical Troubleshooting .....2
IND 45403 Certification Seminar .....3
IND 46102 Adv. Hydraulics & Pneumatics .....2
IND 47003 Robotics .....3
IND 48801-05 Selected Topics in IND ..... 1-5
IND 49001-04 Coop Education Experience .....1-4
To view and/or print a copy of the IND Fact sheet, which includes a suggested course sequence; visit the program's website at

https://www.rio.edu/academics/find-your-program/industrial-technology

# INFORMATION TECHNOLOGY – PROGRAMMING AND SOFTWARE DEVELOPMENT

**School of Technologies**
***College of Professional & Technical Studies***
Davis Career Center
740-245-7301 office; 740-245-7440 fax

## Mission Statement

The mission of the major in Programming and Software Development is to educate students in the areas of designing, developing, testing, documenting, implementing, and maintaining computer systems and software. Essential skill areas include: Computer System Architecture, Programming Analysis, Software Design, Application/Operating System Programming, GUI/Interface, WEB Design Utilization, and Computer Application Development.

## Degree Offered

- Associate of Applied Science – Information Technology: Programming and Software Development

## Learning Outcomes

The successful student will be able to:

- Analyze the efficiency of existing computer software and of computer software designs.
- Demonstrate proficiency using computer-programming language.
- Work with users and business managers to develop clear, concise and correct specifications for computer software, and to test completed software to see if it meets given specifications.
- Design and implement efficient data structures for applications software.

## Degree Requirements

Some of the possible job opportunities a student with this degree might consider would be Systems Analyst, Programmer Analyst, Operating Systems Specialist, Software Designer, Software Applications Specialist, Test Specialist, Software/Application Support, Database Software Technician, Entry (Junior Level) Programmer, or Senior Level Programmer.

## Associate of Applied Science – Information Technology: Programming and Software Development (92206)

General Education must include:
COM 11103 Fundamentals of Speech ..... 3
ECO 11403 Introduction to Microeconomics or
ECO 12403 Introduction to Macroeconomics ..... 3
ENG 11103 Composition I*.....3
ENG 11203 Composition II .....3
ENG 21403 Business & Technical Writing .....3
LA10001 Gateway to Success .....1
Select one of the following two courses
MTH 21404 Intro Probability & Statistics*
MTH 14505 Pre-calculus** ..... 4-5
General Education electives..... 9-10
General Education Electives must come from the following three categories, and at least two of the three categories must be presented:

- Arts and Humanities
- Social and Behavioral Sciences
- Natural Sciences

Total General Education hours..... 30

Major Area required courses
IT 10203 MS Office & Internet I.....3
CS 20104 Computer Programming I .....3
CS 20204 Computer Programming .....4
CS 21503 Introduction to Database Systems .....3
CS 22003 Data Structures.....3
CS 24303 Software Design and Development .....3
ELE 10303 Microcomputer Hardware .....3
ELE 11303 Introduction to Networking.....3
Electives selected from the following courses .....9
ELE 21303, ELE 25303, IT 20403
Total Major Area hours .....35
Total hours required for degree ..... 65

* Placement determined by testing
** For students planning on continuing into a 4-year Computer Science Degree.

# INFORMATION TECHNOLOGY – NETWORK SYSTEMS

**School of Technologies**
***College of Professional and Technical Studies***
Davis Career Center
740-245-7301 office; 740-245-7440 fax

## Mission Statement

The mission of the Information Technology - Network and Computer Systems degree is to prepare students for careers dealing with network systems analysis, planning, and implementation along with entry level programming skills. Students will gain the necessary skills to analyze network system needs for design, installation, maintenance, and management of network systems and be competent at entry level programming. Skills acquired will assist students to obtain computer hardware and network certifications.

This degree will prepare the student to find employment as a:

- Network Specialist
- Network Operations Analyst

- Communications Analyst
- Network Analyst
- Network Administration
- Network Maintenance and Operations
- Hardware Support/Maintenance Network Administrator
- Customer Service Coordinator
- Hardware Installations Coordinator
- Network Technician

## Degree Offered

♦ Associate of Applied Science – Information Technology: Network Systems Major

## Associate of Applied Science Learning Outcomes

The successful student will:

- Design, install, troubleshoot, and manage computer network systems
- Design, install, troubleshoot, and manage wireless computer networks
- Demonstrate knowledge of troubleshooting and repair of microcomputer hardware
- Demonstrate knowledge and proficiency in the use of Internet technologies
- Demonstrate knowledge of best practices in computer network security
- Demonstrate oral and written communications skills
- Demonstrate soft skills and teamwork skills

## Facilities

Lecture and laboratory exercises are performed in Davis Career Center Room 113 and Bob Evans Farms Hall Room 204.

## Degree Requirements

## Associate of Applied Science – Information Technology-- Network Systems Major (92205)

Fall First Year:
CS 20103 Computer Programming I..... 3
ELE 11303 Intro to Networking..... 3
IT 20903 Web Technology ..... 3
ENG 11103 Composition I..... 3
MTH 21404 Intro Prob & Stats..... 4
LA 10001 Gateway to Success..... 1

Spring First Year:
CS 20203 Computer Programming II ..... 3
IT 20103 Windows Operating System ..... 3
ENG 21403 Business & Tech Writing or
ENG 11203 Composition II ..... 3
HIS 13103 World Civ I or
HIS 13203 World Civ II..... 3
PSY 11103 General Psychology ..... 3

Fall Second Year:
CS 21503 Intro to Database .....3
ELE 21303 Computer Network Security .....3
ELE 25303 Server Virtualization .....3
IT 20403 Web Development.....3
BM 24503 Project Management .....3

Spring Second Year:
CS 22103 Data Structures.....3
IT 21203 Enterprise Computing .....3
COM 11103 Speech.....3
ART 100303 Art Appreciation or
FPA 10503 Fine Arts .....3
COM 22303 Interviewing……...3

Total hours required for degree .....62

Graduation requires students to achieve a 2.0 grade point average in all major courses and a 2.0 overall grade point average in all coursework in order to receive an associate degree.

## Additional Information:

For further information, individuals interested in the Information Technology—Network Systems Major may contact the Office of Admissions, University of Rio Grande/ Rio Grande Community College, P.O. Box 500, Rio Grande, Ohio 45674-0500.

Applicants may also contact the University by telephone 740-245-5353 or 1-800-282-7201 (Toll Free in OH, WV, and KY), or by fax 740-245-7260.

To view and/or print a copy of the IT—Network Systems Major Fact Sheet, which includes a suggested course sequence, visit the IT Network Systems website at https://www.rio.edu/academics/find-your-program/information-technology

# LIBERAL STUDIES

**School of Liberal Arts & Social Sciences**
***College of Arts and Sciences***
Robert S. Wood Hall
740-245-7182 office; 740-245-7432 fax

## Mission Statement

The Liberal Studies program seeks to promote critical thinking, intellectual inquiry, and effective communication. Students choosing Liberal Studies as a major will develop skills to confront a myriad of complex problems by analyzing, from different perspectives, how events interrelate. By applying an interdisciplinary approach, students will develop skills to help them make decisions that will maximize both the individual and collective good.

## Degree Offered

♦ Bachelor of Arts – Comprehensive Major in Liberal

Studies

## Learning Outcomes

The successful student will be able to:

- Create innovative solutions to complex problems
- Demonstrate effective use of written, oral, and electronic communication
- Analyze inter-related events from several perspectives
- Demonstrate the ability to identify concepts and to construct methods of inquiry
- Demonstrate understanding of diverse perspectives and work with people from diverse backgrounds within a global community
- Effectively use argumentation and persuasive techniques

## Facilities

Robert S. Wood Hall opened in September, 1989 and contains an auditorium, several general classrooms, seminar rooms, two smart classrooms and the Instructional Design and Media Center, which assists faculty with online learning and additional technology. The offices of senior and part-time faculty are on the second floor.

## Degree Requirements

## Bachelor of Arts – Comprehensive Major in Liberal Studies (09401)

The Bachelor of Arts with a Comprehensive Major in Liberal Studies is intended for those individuals with broad intellectual interests who seek the enrichment, breadth of knowledge, and intellectual skills that a liberal arts education can provide. As an alternative to traditional disciplinary and specialized education, the B.A. in Liberal Studies offers a unique and innovative degree program that provides both structure and flexibility. The structuring component of the program consists of a core of team-planned courses centered on the interdisciplinary study of the humanities. The Liberal Studies faculty believe that the humanities (i.e. the study of the major ideas and values, literature and philosophy, arts and letters, and themes and images which have given meaning to human existence and which have shaped the evolution of civilization) is best approached through an interdisciplinary format which brings together different academic disciplines and perspectives for an integrated study of human thought and culture. While all students in the program are required to complete the interdisciplinary core, students (with the help of their academic advisor) get to choose an area of concentration and various elective courses to pursue their individual interests.

General Education .....39-40
Major Area required courses:

Select two of the following courses:
HIS 12103 American History I (To 1877) ..... 3
HIS 12203 American History II (From 1877) ..... 3
HIS 13103 World Civilization I .....3
HIS 13203 World Civilization II.....3
HUM 20103 The Humanities.....3
SPA 11103 Elementary Spanish .....3
Select 28 hours from the following General Education courses:
ART, ATH, COM, ECO, ENG, FPA, MUS, PHR, POL, PSY, SOC, THR .....28
Take 6 courses in area of concentration at 3000 or 4000 level .....18
Total Major Area hours .....64
Selected Minor and Personal electives..... 23-24
Total required hours for degree .....126

# MATHEMATICS

**School of Natural Sciences**
***College of Arts and Sciences***
Kidd Math/Science Center
740-245-7397 office; 740-245-7172 fax

## Mission Statement

The mathematics department would like all students to obtain a meaningful understanding of mathematics and an appreciation of its many applications. This includes being able to communicate their knowledge of mathematics in an effective manner and to use mathematics in a variety of problem situations. Students should come to understand the connections between the various branches of mathematics and the relationships between mathematics and other disciplines.

## Degrees Offered

- Bachelor of Science – Major in Mathematics
- Bachelor of Science – Integrated Mathematics Education: Adolescent to Young Adult (see degree requirements listed under Education)
- Bachelor of Science – Middle Childhood Mathematics Concentration (see degree requirements listed under Education)
- Associate of Science – Concentration in Mathematics
- Bachelor of Science or Arts – Minor in Mathematics

## Bachelor of Science Learning Outcomes

The successful student will be able to:

- Demonstrate an understanding of mathematics as a universal language of logic and critical thinking.
- Demonstrate an understanding of abstract structures.
- Demonstrate an understanding of concepts, skills, and applications related to calculus.
- Demonstrate an understanding of the concepts, skills, and applications related to probability and statistics.
- (for prospective teachers) Demonstrate knowledge of mathematical content sufficient to become an effective teacher of school mathematics.

## Associate of Science Learning Outcomes

The successful student will be able to:

- Demonstrate an understanding of mathematics as a universal language of logic and critical thinking.
- Demonstrate an understanding of concepts, skills, and applications related to calculus.
- Demonstrate an understanding of the concepts, skills, and applications related to probability and statistics.

## Facilities

The Kidd Math/Science Center opened in 1985. With an award-winning masonry design, the center's front doors open to a glass atrium with live plants & a trickling pond. A spacious lobby follows with comfortable studying facilities. The center houses three large chemistry labs, three biology labs, one physics lab, one computer lab, lecture rooms, faculty offices and a large bent glass greenhouse that enhances the view of campus. McKenzie Hall opened in 1997, and it provides math/science students, along with the nursing students, two large lecture halls, a variety of lecture rooms, an anatomy lab, three computer labs, faculty offices and a conference room with a beautiful view of campus and the surrounding landscape.

## Degree Requirements

### Bachelor of Science – Major in Mathematics (2840)

General Education must include:
MTH 15105 Calculus I ..... 5
CS 20104 Computer Programming I ..... 4
Total General Education hours ..... 44

Major Area required courses
MTH 15204 Calculus II ..... 4
MTH 15304 Multivariable Calculus ..... 4
MTH 21404 Intro Probability and Statistics ..... 4
MTH 21903 Additional Topics in Probability ..... 3
MTH 25403 Discrete Mathematics ..... 3
Select one from the following courses:
MTH 26603 Number Theory **or**
MTH 27403 College Geometry ..... 3
MTH 27703 Differential Equations I ..... 3
MTH 38403 Linear Algebra ..... 3
MTH 38603 Abstract Algebra ..... 3
MTH 44403 Real Variables ..... 3
MTH Electives from 30000-40000 level ..... 6
Total major area hours ..... 39
Selected Minor and Personal electives ..... 37-42
Total hours needed to graduate ..... 120-125

### Bachelor of Science – Integrated Mathematics Education: Adolescent to Young Adult (40432)

(see degree requirements listed under Education)

### Bachelor of Science – Middle Childhood Mathematics Concentration (see degree requirements listed under Education)

### Bachelor of Science or Arts - Minor in Mathematics (2830)

General Education must include:
MTH 15105 Calculus I ..... 5
Total General Education hours ..... 40

Major Area required courses
MTH 15204 Calculus II ..... 4
MTH 21704 Intro to Probability ..... 4
MTH Electives (6 hours from 300 – 400 level) ..... 6
Total major area hours ..... 17
Selected Major and Personal electives ..... 63-68
Total hours needed to graduate (minimum) ..... 120-125

### Associate of Science – Concentration in Mathematics (2821)

General Education must include:
IT 10103 Information Technology ..... 3
MTH 14505 Pre-calculus ..... 5
Any Chemistry or Physics course ..... 4-5
Total General Education hours ..... 42-43

Major Area required courses
MTH 15105 Calculus I ..... 5
MTH 15204 Calculus II ..... 4
MTH 15304 Multivariable Calculus ..... 4
MTH 25403 Discrete Mathematics ..... 3
Select one of the following courses:
MTH 21404 Intro Probability and Statistics
MTH 21704 Intro to Probability ..... 4
Total major area hours ..... 17
Total hours needed to graduate ..... 60-65

# MEAT SCIENCE

**School of Technologies**
***College of Professional & Technical Studies***
Davis Career Center
740-245-7301 office; 740-245-7440 fax

## Degrees Offered

- Associate of Technical Studies – Meat Science

## Mission Statement

The Meat Science Program will provide students with a competitive advantage in seeking jobs in the agricultural industry by providing hands-on experience in the livestock industry and the opportunity to develop an in-depth knowledge of the meat science industry. This program will provide students opportunities to participate in hands-on experiences within all aspects of the meat science industry.

## Associate of Technical Studies Learning Outcomes

The successful student will:

- Demonstrate competencies and skills that will contribute to a competitive advantage in seeking jobs in the agricultural industry.
- Demonstrate competency by actively participating in hands-on learning experiences in the livestock industry end products (meat science).
- Demonstrate an understanding and appreciation for the vast American agricultural industry.
- Demonstrate an in-depth knowledge of the meat science industry.

## Degree Requirements

## Associate of Technical Studies – Meat Science (94249)

General Education must include:

| | |
|---|---|
| LA 10001 Gateway to Success | 1 |
| AG 10101 Exploring Livestock Careers & Industry | 1 |
| ENG 11103 Composition I | 3 |
| BIO 12104 Biology I | 4 |
| CHM 15005 General Chemistry I | 5 |
| MTH 21404 Intro Probability & Statistics | 4 |
| ECO 11403 Intro to Microeconomics | 3 |
| ATH 12103 Anthropology | 3 |
| HIS 12203 American History II | 3 |
| COM 11103 Speech | 3 |
| PSY 11103 General Psychology | 3 |
| ART 10303 Art Appreciation | 3 |
| Total General Education Hours | 36 |

Major Area required hours:

| | |
|---|---|
| AG 11403 Fundamentals of Meat Science | 3 |
| AG 21403 Ruminant Production | 3 |
| AG 22403 Food Processing | 3 |
| AG 23403 Principles of Meat Animal A&P | 3 |
| AG 24403 Animal Nutrition | 3 |
| AG 24201 Meat Animal Processing I | 1 |
| AG 23303 Food Microbiology | 3 |
| AG 24603 Meat Animal & Carcass Eval | 3 |
| AG 24301 Meat Animal Processing II | 1 |
| AG 24402 BBQ Science | 2 |
| AG 25402 Meat Science Internship | 2 |
| Total Major Area hours | 27 |
| Total Program Hours | 63 |

# MEDICAL ASSISTING

**School of Allied Health & Exercise Studies**
***College of Professional & Technical Studies***
Meigs Center
740-992-1880 office

## Degrees Offered

- Associate of Applied Science – Medical Assisting

## Mission Statement

The Mission of the Medical Assistant Program is to provide the learner with a high quality education. This program provides the learner with the knowledge and skills necessary to meet with the challenges and opportunities in the profession. Through didactic and clinical courses, learners able to become knowledgeable medical assistant practitioners.

## Associate of Applied Science Learning Outcomes

The successful student will:

- Demonstrate they understand the importance of strong compliant and ethical practices in healthcare revenue cycle.
- Demonstrate they understand the significance and possible legal consequences of medical compliance.
- Demonstrate they understand the significance and possible legal consequences of workplace confidentiality.
- Demonstrate they understand basic concepts of healthcare law and guidelines as well as be able to identify potential violations and understand an appropriate course of action upon identification of a compliance concern.
- Demonstrate they understand the need to follow the HIPAA guidelines relating to patient privacy and basic reporting requirements after a disclosure.

## Degree Requirements

## Associate of Applied Science – Medical Assisting (9331)

General Education must include:

| | |
|---|---|
| ENG 11103 Composition I | 3 |
| MTH 21404 Intro Probability & Statistics | 4 |
| PSY 11103 General Psychology | 3 |
| LA 20303 Gateway to Workforce | 3 |
| AHC 13303 Medical Terminology I | 3 |
| AHC 14301 Medical Terminology II | 1 |
| BIO 11204 Essentials of Anatomy & Physiology | 4 |
| AHC 22403 Pharmacology & the Human Body | 3 |
| HPE 24302 Safety & First Aid | 2 |
| LA 10001 Gateway to Success | 1 |

AHC 10501 Healthcare Compliance & Ethics ..... 1
AHC 10202 Standards of Patient Care ..... 2
Total General Education Hours ..... 30

Major Area required hours:
AHC 10302 Electronic Health Records ..... 2
AHC 20303 ICD Coding ..... 3
AHC 21203 CPT Coding ..... 3
AHC 22203 Healthcare Reimbursement ..... 3
AHC 10403 EKG Technician ..... 3
AHC 10503 Phlebotomy ..... 3
MA 10304 Internship ..... 4
MA 11304 Clinical Skills ..... 4
MA 12304 Clinical Laboratory ..... 4
HCA 21104 Fundamentals of Healthcare ..... 4
Total Major Area hours ..... 33
Total Program Hours ..... 63

# MEDICAL CODING & BILLING

**School of Allied Health & Exercise Studies**
***College of Professional & Technical Studies***
Jackson Center
740-288-0284 office
Meigs Center
740-992-1880 office

## Degrees/Certificates Offered

- Certificate – Medical Coding and Billing

## Certificate Learning Outcomes

- Correctly define common and relevant medical terms.
- Explain HIPPA guidelines relating to patient privacy and the need to follow them.
- Process patient information, health care, and insurance data
- Use source documents to determine proper diagnostic and procedure coding.
- Exposure to and hands-on experience with processing medical data by charting clerical skills, clinical skills, and patient care in an EHR (electronic health records) system.

## Certificate – Medical Coding & Billing (9310)

Medical coders are some of the most sought-after professionals in the health care industry. Medical coders, also commonly referred to as health information technicians, organize and manage health information data. They ensure the quality, accuracy, accessibility, and security of health information in paper files, electronic systems, and medical billing claims. They use various classification systems to code and categorize patient information for insurance reimbursement purposes, for databases and registries, and to record and maintain patients' medical and treatment histories.

Medical coders review health information and convert it into medical codes for billing purposes. Every medical visit results in at least two codes, one for the service provided by the practitioner and one to convey the diagnosis (or reason) for that service. Medical coding professionals ensure that these codes are applied correctly during the billing process, and they serve as advocates for medical facilities, health practitioners, and patients. In maximizing the accuracy of claims and compliance levels, skilled medical coders optimize the billing process and lower health care costs throughout the entire industry.

## Program Overview

The University of Rio Grande offers a Medical Coding and Billing Certificate that not only prepares students to sit for national certification through the American Academy of Professional Certificates (AAPC), but it also fully rounds out the students medical coding and billing education, which helps to expand the student's medical office skill set and employment options. A Medical Coding and Billing Certificate from the University of Rio Grande is a 31-credit hour program designed to be completed in two semesters (or less than one year). The program starts every fall and completes the following spring semester. The program is currently offered at the institution's Jackson and Meigs branches. It can be completed in-person only.

## Certificate Requirements

This is a one-year certificate program, and it is a 1+1 certificate, as it may be used to complete a two-year degree in Allied Health (contact the Chair of Allied Health and Exercise Studies for more information).

**Medical Coding & Billing Certificate**
LA 10001 Gateway to Success .....1
AHC 13303 Medical Terminology I.....3
AHC 14301 Medical Terminology II .....1
AHC 10302 Electronic Health Records.....2
AHC 10501 Healthcare Compliances and Ethics .....1
AHC 20303 ICD Coding .....3
AHC 21203 CPT Coding.....3
AHC 22203 Healthcare Reimbursement.....3
ENG 11103 Composition I* .....3
LA 20303 Gateway to Workforce.....3
**Select one of the following two course sequences:**
BIO 11204 Essentials of Anatomy & Phys.....4
AHC 22403 Pharmacology & the Human Body.....3
**or**
BIO 10104 Principles of Anatomy & Phys. I .....4
BIO 10204 Principles of Anatomy & Phys. II .....4
Total hours required for certificate ..... 30-31

*Placement determined by testing.

**Courses required for online AAPC Certification Exam (The curriculum below can be taken by students who**

**only want to prepare for the AAPC certification exam, but they will not receive a certificate from URG/RGCC).**

AHC 13303 Medical Terminology I ..... 3
AHC 14301 Medical Terminology II ..... 1
AHC 20303 ICD Coding ..... 3
AHC 21203 CPT Coding ..... 3
BIO 11204 Essentials of A&P ..... 4
AHC 22403 Pharmacology & the Human Body ..... 3
Total required hours for certificate ..... 17

**Program Contact Information**
Hilliary Blakeman, MHA, RHIA, CPC-A, Holzer School of Nursing and Allied Health, 740-288-0284

# NEUROSCIENCE

**School of Liberal Arts & Social Sciences**
***College of Arts & Sciences***
Robert S. Wood Hall
740-245-7182 office; 740-245-7432 fax

## Mission Statement

Our Neuroscience curriculum was built with support of four key members of the National Neuroscience Curriculum Initiative, whose names and backgrounds are listed below in the contributors section. The NNCI is a collaboration between educators and neuroscientists that seeks to make core concepts in neuroscience available to a broader audience. To accomplish this, they have developed engaging and interactive exercises for teaching in the classroom through a peer-review process. Their overarching aim is to create, pilot, and disseminate a comprehensive set of shared resources in the field of neuroscience. Thanks to the help of our academic contributors, we have been able to layer a significant amount of NNCI content into a more traditional undergraduate neuroscience curriculum, providing students with a much deeper understanding of the brain. This is especially true of the fourth neuroscience course, Clinical Neuropathology, which is based heavily on the NNCI Quarantine Curriculum, adapted to an undergraduate audience. As is typical for neuroscience, this program places a strong emphasis on biology and psychology coursework in addition to focused neuroscience courses. This program covers some - but not all - premedical requirements. Students who wish to go to medical school must also take one year of physics, one year of organic chemistry, calculus, and select Biochemistry I as one of their electives, for a total of 20 additional credit hours.

## Degrees Offered

- Bachelor of Technical Studies – Neuroscience

## Learning Outcomes

The successful student will:

- Be able to explain a wide range of neurological phenomena including behavior, the senses, movement, emotions and a range of disorders
- Be able to combine understanding from psychology, biology, and neuroscience to explain phenomenon of cognition
- Be able to describe both historical and modern approaches to neuroscience and psychiatry.

## Degree Requirements

## Bachelor of Technical Studies – Neuroscience (50532)

**Fall Year One**
ENG 11103 Composition I ..... 3
MTH 21404 Intro to Probability & Statistics ..... 4
BIO 12104 Biology I ..... 4
CHM 15005 General Chemistry I ..... 5
LA 10001 Gateway to Success ..... 1
Total Semester Hours ..... 17

**Spring Year One**
BIO 12204 Biology II ..... 4
CHM 15505 General Chemistry II ..... 5
PSY 11103 General Psychology ..... 3
ENG 11203 Composition II ..... 3
Total Semester Hours ..... 15

**Fall Year Two**
COM 11103 Speech Communication ..... 3
PSY 12503 Intro to Chemical Dependency Couns. ... 3
PSY 21103 Human Growth ..... 3
ENG 24103 Literary Imagination ..... 3
HPE 10101 Human Wellness ..... 1
Any HPE Activity Course ..... 1
Total Semester Hours ..... 14

**Spring Year Two**
PSY 13103 Stress Management ..... 3
PSY 25403 Behavior Modification ..... 3
PSY 26204 Research Methods ..... 4
HIS 13103 World Civ I ..... 3
FPA 10503 Fine Arts ..... 3
Total Semester Hours ..... 16

**Fall Year Three**
PSY 32103 Neuroscience Foundations ..... 3
PSY 22804 Memory & Cognition ..... 3
PSY 29903 Directed Studies in Psychology ..... 3
PSY 33203 Social Psychology ..... 3
HIS 12203 American History II ..... 3
Total Semester Hours ..... 16

**Spring Year Three**
PSY 32203 Biological Basis Percept. & Move ..... 3
PSY 34203 Physiological Psychology ..... 3
PSY 35103 Psychological Tests & Measures ..... 3
PSY 36103 Sensation & Perception ..... 3
PSY 38803 Selected Topics in Psychology ..... 3
Total Semester Hours ..... 15

**Fall Year Four**
PSY 42103 Cognitive Neuroscience ..... 3
PSY 37103 Personality Psychology ..... 3
PSY 39906 Independent Study in Psychology ..... 6
PSY 42203 Counseling Skills & Theor. Found. ..... 3
Total Semester Hours ..... 15

**Spring Year Four**
PSY 42303 Clinical Neuro Pathology ..... 3
PSY 47103 Abnormal Psycholoyg ..... 3
PSY 47603 History and Systems of Psychology ..... 3
PSY 49703 Senior Capstone ..... 3
Total Semester Hours ..... 12

Total hours needed to graduate ..... 120

# NURSING

**Holzer School of Nursing**
***College of Professional & Technical Studies***
McKenzie Hall
740-245-7302 or 740-245-7415 office; 740-245-7177 fax
schoolofnursing@rio.edu

## Degrees Offered

- Bachelor of Science in Nursing – RN-BSN Program
- Associate of Applied Science – Nursing Technology

## Accreditation

Assessment is an ongoing process within the Holzer School of Nursing. A variety of activities is used to assess students throughout the program. The Holzer School of Nursing programs are accredited by the Accreditation Commission for Education in Nursing (ACEN), 3390 Peachtree Rd NE, Suite 1400, Atlanta, GA 30326, 404-975-5000. www.acenursing.org

The Associate of Applied Science Degree in Nursing Technology is regulated by the Ohio Board of Nursing (OBN), 17 S. High St., Suite 660, Columbus, OH 43215, 614-466-3947. www.nursing.ohio.gov/ The OBN regulates nursing education programs in Ohio that prepare students for initial licensure as a registered nurse or licensed practical nurse. The OBN accomplishes this regulation by assuring that new and existing programs meet and maintain the requirements set forth in Chapter 4723-5 Ohio Administrative Code, as evidenced by the Board's granting of its approval.

## Associate of Applied Science – Nursing Technology

**Programs Offered and Lengths:**

- Traditional Associate Degree – 5 semesters
- On-Campus Advanced Placement Track for Licensed Practical Nurses (LPN-RN) – 3 semesters
- Hybrid Advanced Placement Track for Licensed Practical Nurses (LPN-RN) – 6 semesters

## Mission Statement

The mission of the Holzer School of Nursing is to provide the learner with the opportunity to attain a high quality and high value education. To this end, the Holzer School of Nursing provides the learner the knowledge and skills necessary to meet challenges and opportunities encountered in the nursing profession. An emphasis on the unique lifelong learning needs of the learner in the Holzer School of Nursing will promote successful careers and professional citizenship.

## Associate of Applied Science Learning Outcomes

Upon completion of the associate degree-nursing program, the graduate will be able to:

1. Function as a provider of nursing care for patients at various stages of growth and development in diverse health care delivery settings.
2. Use the nursing process to identify patient needs and provide effective nursing care focusing on promotion, maintenance, and restoration of health.
3. Use principles of teaching and learning to provide health education to patients and other members of the multidisciplinary health care team.
4. Demonstrate responsibility for self-development and continued lifelong learning.
5. Use effective communication and collaborative skills in interactions with patients and other members of the multidisciplinary health care team.
6. Demonstrate accountability for nursing practice within the profession's legal/ethical framework.
7. Organize and direct nursing care for individual patients, small groups of patients and families.

## Admission Requirements and Procedures for Traditional AAS

Students are admitted into the traditional five-semester Associate Degree Nursing Program sequence only in the Fall Semester of each year. There is a limit on the class size for the Associate Degree Nursing Program. Traditionally, Holzer School of Nursing attracts many more qualified applicants than there are spaces available for the Fall Semester. Therefore, it is advisable to apply early. The deadline to apply for the upcoming Fall semester is the first day of classes for the previous Spring semester.

A Cardiopulmonary Resuscitation (CPR) card (valid for the enrollment period in the School of Nursing), a completed medical history form, and the Hepatitis B Vaccination Series (and any other requirements as stipulated by the University Health Services Office) are required for admission of officially accepted students into the first semester of the Associate Degree Nursing Program.

Requirements for admission into the School of Nursing are:

1. Official acceptance to the University of Rio Grande/Rio Grande Community College. The Admissions Application (https://www.rio.edu/admissions/apply/), all official high school and college transcripts must be submitted directly to the Admissions Office.
2. An additional Application Form for the School of Nursing must be completed. This application form is available online (https://www.rio.edu/academics/find-your-program/nursing), as well as in the University Admissions Office. The completed application must be submitted directly to the Admissions Office by the announced application deadline. There will be one review of nursing applicants yearly.
3. High School or College cumulative Grade Point Average (G.P.A.) (most recent): a minimum of 2.5 cumulative G.P.A. for high school is required OR a minimum 2.5 cumulative G.P.A. with a minimum of 12 semester hours of college level coursework is required if the college cumulative G.P.A. is used.
4. The ACT and/or University Placement Test is required for all nursing applicants.
5. Completion of the HESI A2 Entrance Exam is required for traditional Associate Degree students. The exam fee of $60.00. This fee is the responsibility of the applicant.
6. Graduation from high school or a G.E.D.
7. High school or college-level courses required with a final grade of "C" or better for each course: Algebra, Biology (with lab), and Chemistry (with lab).

Final acceptance into the School of Nursing will be contingent upon the above stated criteria and maintenance of a cumulative G.P.A. of 2.5 or higher at the beginning of the entrance Semester. Acceptance into the School of Nursing will also be contingent upon a criminal background check (FBI/BCI) and a negative drug screen. Both background check and drug screen must be conducted by a qualified, specialized agency. The criminal background check and drug screen must be conducted within the specified time frame for each program cohort. Results are to be sent directly to the Director, Holzer School of Nursing one month prior to the start of the entrance semester.

## Admission Requirements and Procedures for Advanced Placement LPN-RN Tracks

L.P.N./L.V.N.s are accepted and admitted into the Advanced Placement Track only in the Summer Term of each year for the on-campus offering and the Fall Semester of each year for the hybrid offering.

A Cardiopulmonary Resuscitation (CPR) card (valid for the enrollment period in the School of Nursing), a completed medical history form, and the Hepatitis B Vaccination Series (and any other requirements as stipulated by the University Health Services Office) are required for admission of officially accepted students into the first semester of the Advanced Placement Tracks.

Requirements for admission into the School of Nursing are:

1. Official acceptance to the University of Rio Grande/Rio Grande Community College. The Admissions Application (https://www.rio.edu/admissions/apply/), all official high school and college transcripts must be submitted directly to the Admissions Office.
2. An additional application for the School of Nursing must be completed (Allied Health & Nursing Admissions | University of Rio Grande). Students choose the On-Campus LPN-RN application or the Hybrid LPN-RN application. The completed application must be submitted directly to the Admissions Office by the announced application deadline. There will be one review of nursing applicants yearly.
3. Applicants must have a minimum cumulative grade point average (GPA) of 2.5.
    - The admission representative will review the applicant's LPN school transcript. Transcripts using the clock hour format will be converted to semester hours (Calculation: clock hours divided by 15).
    - The applicant's LPN transcript will be reviewed and calculated for Quality Points if not explicitly stated (Calculation: total LPN transcript semester hours multiplied by LPN transcript final GPA).
    - Semester hours and quality points from the applicant's University of Rio Grande transcript will be totaled (if applicable).
    - Semester hours and quality points from outside institutions accepted for transfer by the University of Rio Grande will be totaled (if applicable).
    - Semester hours and quality points from all of the applicant's transcript sources (LPN transcript, all coursework completed at University of Rio Grande, and all hours accepted by University of Rio Grande for transfer) will be added to determine total hours earned and total quality points earned.
    - The applicant's final GPA for eligibility will be determined by dividing the total quality points by total hours earned.
    -
4. Applicants must complete the specialized entrance exam for the LPN-RN program as required for program admission consideration. Payment of the $60 exam fee is the responsibility of the applicant and must be made prior to the exam. The exam questions are similar to the NCLEX-PN.

5. Final acceptance into the School of Nursing's Advanced Placement Track LPN-RN program option will be contingent upon the above stated criteria and maintenance of a minimum cumulative GPA of 2.5 at the beginning of entrance semester.
6. Applicants are also required to complete criminal background checks (FBI and BCI) and have a negative ten-panel drug screen. The criminal background checks and drug screen must be conducted within the specified time frame for each program option cohort by a qualified, specialized agency.

Final acceptance into the School of Nursing will be contingent upon the above stated criteria and maintenance of a cumulative G.P.A. of 2.5 or higher at the beginning of the entrance Semester. Acceptance into the School of Nursing will also be contingent upon a criminal background check (FBI/BCI) and a negative drug screen. Both background check and drug screen must be conducted by a qualified, specialized agency. The criminal background check and drug screen must be conducted within the specified time frame for each program cohort. Results are to be sent directly to the Director, Holzer School of Nursing one month prior to the start of the entrance semester.

## Readmission

All readmission students wishing to re-enroll at the University of Rio Grande/Rio Grande Community College (after an absence of one or more academic terms, excluding Summer Term) need to contact the Admissions Office and will be required to complete an Application for Readmission and identify the appropriate program as the intended field of study.

## Health Requirements

1. Vision Capabilities: Normal or corrected refraction within the range of 20/20 to 20/60 and ability to identify and distinguish colors
2. Hearing Capabilities: Possess normal or corrected hearing abilities within 0-45 decibel range.
3. Motor Capabilities: Maneuver hospital equipment without assistance. Assist in lifting patients in excess of 100 pounds using proper body mechanics. Stand for extended periods of time. Walk long distances without assistance while maneuvering/transporting patients. Possess hand/eye coordination and fine motor skills to provide adequate patient care.
4. Language Capabilities: Communicate effectively with patient and other medical personnel. It is recommended that a second language is possessed or attempted.
5. Mental Capabilities: Think and act quickly in emergencies. Cope effectively with stress. Comprehend daily work activities and understand all pathology needed to present care plan or needs to members of the health care team. Possess the ability to work under close supervision, achieve deadlines, as well as adjust to irregular activity schedules. Applicant must also have the ability to concentrate and pay close attention to detail while performing patient care, patient assessments, completing required documentation, and preparing and administering medications.
6. Exposure to Hazards: Occasionally exposed to dust, odors, bodily fluids, toxic substances, unpleasant patient care activities, and infectious diseases. May frequently be exposed to noise.

## Length of Program

While the traditional Nursing Program is designed to be completed in five (5) semesters on a full-time basis, many students may choose to take more time for a variety of reasons. Those students who wish to progress in school at a slower pace may do so by electing to complete some or all of the General Education course requirements prior to applying for admission and being admitted into the Nursing Program. Prior to a student's official acceptance into the Nursing Program, the student is highly encouraged to clarify the process which is required for possible acceptance into the Program by contacting the Admissions Office. Enrollment in University or Community College courses neither implies nor guarantees a student eventual acceptance into the Nursing Program. The L.P.N. /L.V.N. Advanced Placement Track Program is designed to be completed in two (2) semesters and a fifteen-week summer term for on-campus students, and four (4) semesters and two (2) ten-week summer terms for hybrid students.

Once a student is admitted into the Nursing Program, however, all General Education courses and required nursing courses must be taken in sequence and be successfully completed prior to enrolling in the next semester.

Continuation in the Nursing Program requires a grade of "C" or better in theory for all required nursing courses and a "satisfactory" designation for the clinical experience in nursing courses where this is a requirement, and a "C" or better for the following required general education courses:

- AHC 13101 Technology and Resource Strategies for Nurses
- MTH 11903 Math for Nurses
- BIO 10104 Principles of Anatomy and Physiology I
- BIO 10204 Principles of Anatomy and Physiology II
- BIO 10302-Microbiology for Nurses

## Associate Degree Graduation Requirements

- Meet all Rio Grande graduation requirements
- Earn a minimum "C" grade in all required NUR courses
- Earn a minimum "C" grade in AHC 13101, MTH 11903, BIO 10104, BIO 10204, BIO 10302 (traditional track only)

## Degree Requirements

## Associate of Applied Science - Nursing Technology (9321)

General Education must include:
AHC 13101 Tech & Resource Strat for Nurses ..... 1
BIO 10104 Prin of Anatomy & Phys I ..... 4
BIO 10204 Prin of Anatomy & Phys II ..... 4
BIO 10302 Microbiology for Nurses ..... 2
COM 11103 Fund of Speech Communication ..... 3
ENG 11103 Composition I ..... 3
ENG 11203 Composition II ..... 3
LA 10001 Gateway to Success ..... 1
MTH 11903 Mathematics for Nurses ..... 3
PSY 11103 General Psychology ..... 3
SOC 11103 Intro to Sociology ..... 3
Total General Education Hours ..... 30
Major Area required hours:
NUR 10505 Nursing I ..... 5
NUR 10606 Nursing II ..... 6
NUR 20404 Nursing III ..... 4
NUR 21303 Nursing IV ..... 3
NUR 21707 Nursing V ..... 7
NUR 22101 Trends II ..... 1
NUR 20909 Nursing VI ..... 9
Total Major Area hours ..... 35
Total Program Hours ..... 65

**Recommended Course Sequence – Associate of Applied Science – Nursing Technology (9321)**

**FIRST YEAR**
**First Semester (Fall)**
AHC 13101 Tech & Res Strat for Nursing ..... 1
BIO 10104 Prin Hum Anat & Phys I ..... 4
LA 10101 Gateway to Success ..... 1
MTH 11903 Mathematics for Nurses ..... 3
NUR 10505 Nursing I ..... 5
**Total Semester Hours ..... 14**

**Second Semester (Spring)**
BIO 10204 Prin Hum Anat & Phys II ..... 4
BIO 10302 Microbiology for Nurses ..... 2
NUR 10606 Nursing II ..... 6
PSY 11103 General Psychology ..... 3
**Total Semester Hours ..... 15**

**Third Semester (Summer)**
COM 11103 Fund of Speech Comm ..... 3
ENG 11103 Composition I ..... 3
NUR 20404 Nursing III ..... 4
**Total Semester Hours ..... 10**

**SECOND YEAR**
**Fourth Semester (Fall)**
ENG 11203 Composition II ..... 3
NUR 21303 Nursing IV ..... 3
NUR 21707 Nursing V ..... 7
SOC 11103 Introduction to Sociology ..... 3
**Total Semester Hours ..... 16**

**Fifth Semester (Spring)**
NUR 20909 Nursing VI ..... 9
NUR 22101 Trends II ..... 1
**Total Semester Hours ..... 10**

**Degree Requirements – On-Campus Advanced Placement Track for Licensed Practice Nurse to Registered Nurse (LPN-RN) (9325)**

**Semester Credit Hours**
First Year Level Proficiency Credits ..... 21
(from LPN transcript)
Nursing Transition Course Credits (NUR 11212) ... 12
Earning Nursing Course Credits ..... 20
(NUR 21303, 21707, 20909, 22101)
General Education Course Credits ..... 12
(COM 11103, ENG 11103, ENG 11203, SOC 11103)
**Total Program Credit Hours ..... 65**

**Recommended Course Sequence – On Campus Advanced Placement Track for Licensed Practical Nurse to Registered Nurse (LPN-RN) (9325)**

**First Semester (Summer)**
COM 11103 Fund. of Speech Communication ..... 3
ENG 11103 Composition I ..... 3
NUR 11212 Nursing Transition ..... 12
**Total Semester Hours ..... 18**

**Second Semester (Fall)**
ENG 11203 Composition II ..... 3
NUR 21303 Nursing IV ..... 3
NUR 21707 Nursing V ..... 7
SOC 11103 Intro to Sociology ..... 3
**Total Semester Hours ..... 16**

**Third Semester (Spring)**
NUR 20909 Nursing VI ..... 9
NUR 22101 Trends II ..... 1
**Total Semester Hours ..... 10**

**Degree Requirements – Hybrid Advanced Placement Track for Licensed Practical Nurse to Registered Nurse (LPN-RN) (9328)**

**Semester Credit Hours**
First Year Level Proficiency Credits ..... 21
(from LPN transcript)
Nursing Orientation Workshop Credits (CS 288N0) .0
Nursing Transition Course I Credits (NUR 11206) ... 6
Nursing Transition Course II Credits (NUR 11306) .. 6
Earned Nursing Course Credits ..... 20
(NUR 21303, 21707, 27805, 28804, 22101)

General Education Courses ..... 12
(COM 11103, ENG 11103, ENG 11203, SOC 11103)
Total Program Hours..... 65

NOTE: The required general education courses: English Composition I, English Composition II, Fundamentals of Speech Communication, and Introduction to Sociology must be completed to meet graduation requirements.

**Recommended Course Sequence – Hybrid Advanced Placement Track for Licensed Practical Nurse to Registered Nurse (LPN-RN) (9328)**

**FIRST YEAR**
**First Semester (Fall)**
CS 288N0 ST: Nursing Orientation Workshop..... 0
NUR 11206 Nursing Transitions: Part I..... 6
**Total Semester Hours..... 6**

**Second Semester (Spring)**
ENG 11103 Composition I..... 3
NUR 11306 Nursing Transitions: Part II..... 6
**Total Semester Hours..... 9**

**Third Semester (Summer)**
ENG 11203 Composition II ..... 3
NUR 21303 Nursing IV ..... 3
**Total Semester Hours..... 6**

**SECOND YEAR**
**Fourth Semester (Fall)**
COM 11103 Fund. of Speech Communication ..... 3
NUR 21707 Nursing V..... 7
**Total Semester Hours..... 10**

**Fifth Semester (Spring)**
NUR 27805 ST: Med-Surg Nursing I ..... 5
SOC 11103 Introduction to Sociology ..... 3
Total Semester Hours..... 8
**Sixth Semester (Summer)**
NUR 28804 ST: Med-Surg Nursing II ..... 4
NUR 22101 Trends II..... 1
Total Semester Hours..... 5

## Facilities

A variety of clinical agencies are utilized as clinical experience sites for the Associate Degree nursing students (ADN) each semester for various nursing courses. Those with which the School of Nursing and the University have entered into formal contractual agreements (with telephone numbers) are listed below:

1. Adena Health Systems, Chillicothe, OH (740-772-7500)
2. Appalachian Behavioral Health Care, Athens, OH (740-594-5000)
3. Cabell-Huntington Hospital, Huntington, WV (304-526-2000)
4. Camden Clark Medical Center, Parkersburg, WV (304-424-2111)
5. Charleston Area Medical Center, Charleston, WV (304-388-4170)
6. Gallia County Health Department, Gallipolis, OH (740-441-2018)
7. Gallipolis City Schools, Gallipolis, OH (740-446-3211)
8. Holzer Health Systems, Gallipolis, OH (740-446-5000)
9. Ironton City Schools, Ironton, OH (740-532-4133)
10. Jackson County Health Department, Jackson, OH (740-286-5094)
11. King's Daughters' Medical Center, Ashland, KY (606-327-4000)
12. Lakin Hospital, West Columbia, WV (304-675-0860)
13. Memorial Health Systems, Marietta, OH (740-374-1400)
14. Meigs Local School District, Pomeroy, OH (740-992-7814)
15. Oak Hill Union Local School District, Oak Hill, OH (740-682-6616)
16. Ohio Health- Multiple Locations
17. Pleasant Valley Home Health, Pt. Pleasant, WV (304-675-4340)
18. Scioto County Health Department, Portsmouth, OH (740-355-8358)
19. Southern Ohio Medical Center, Portsmouth, OH (740-356-5000)
20. St. Mary's Medical Center, Huntington WV (304-526-1234)
21. Symmes Valley Local Schools, Willow Wood, OH (740-643-2371)
22. University of Rio Grande Health Services, Rio Grande, OH (740-245-7350)
23. Vinton County Schools, McArthur, OH (740-596-5258)
24. Wellston City Schools, Wellston, OH (740-384-2152)

## Bachelor of Science in Nursing – RN-BSN (7141)

## Mission Statement

The School of Nursing strives to provide students with the knowledge and skills necessary to meet the challenges and opportunities encountered in the nursing profession. Recent emphasis on promotion of health, prevention of illness, as well as advances in caring for the ill, has opened new areas of employment and has created added responsibilities for practicing nurses. The Holzer School of Nursing introduces students to many opportunities for development of individual interests in varied health care settings. Today's nurse may work in a hospital, a nursing home, a clinic, industry, the community, or physician's office, as well as the Armed Forces. Within these settings, there are many opportunities to care for persons with varied age groups in various medical, surgical, maternal-newborn, pediatric, and mental health needs. Nursing today offers a wide range of possibilities for the nurse to develop and progress. The Holzer School of Nursing provides a foundation for life-long learning and professional development and offers degree

programs leading to an Associate of Applied Science degree in Nursing Technology, as well as the Bachelor of Science degree in Nursing designed specifically for registered nurses. The program of learning of the RN-BSN program is consistent with the Philosophy and Mission of the University of Rio Grande/Rio Grande Community College and the Holzer School of Nursing. Through didactic academic courses and clinical rotations, each student is expected to develop knowledge and competency in critical thinking and effective decision making, use the nursing process in applying and evaluating nursing care for patients through the life cycle, and use basic research to explore issues in providing nursing care. As adult learners, students are expected to bring a unique set of life and educational experiences, values, beliefs, attitudes, expectations, and goals to the learning environment. As a result, the faculty expects that the student will be an active partner with faculty in creating a learning atmosphere that stimulates individual creativity, critical thinking, and intellectual curiosity.

**Bachelor of Science in Nursing Learning Outcomes**
The graduate of the RN-BSN program will be able to:

1. Synthesize and integrate knowledge from the natural and behavioral sciences, humanities, nursing theory, and research into professional nursing practice.
2. Integrate principles of communication and collaboration with members of the health care team to promote movement toward optimal levels of health for patients.
3. Integrate and synthesize the concepts and principles of critical thinking into the practice of nursing to facilitate participation in effecting change in the delivery of health care to society.
4. Integrate leadership and management skills utilizing ethical decision-making and evidence-based practice.
5. Develop an individualized plan for personal continued learning and professional growth as a method for adjusting to changes occurring within the health care system.

* Patients represent individuals, families, groups, or communities.

## Admissions Procedures and Requirements of the RN-BSN Program

1) Complete the required admission procedures and policies for the University of Rio Grande as follows:
   a) **New Students must submit:**
      I. A complete Application Form for admission and the $25.00 application fee (contact the Admissions Office for the Application Form).
      II. A complete University Medical Record Form (General form required of all students).
      III. Official transcripts from all schools of nursing, colleges, or universities attended (a high school transcript is not required for RN-BSN applicants).
      IV. Identify "BSN Program" as the intended major field of study on the University Application Form.
   b) **Re-admission Students:**
      All re-admission students wishing to re-enroll at the University of Rio Grande (after an absence of one or more academic terms, excluding Summer Sessions) need to contact the Admissions Office and will be required to complete an Application Form for Re-admission and identify "BSN Program" as the intended major field of study on the University Re-admission Form. (This also applies to all Associate Degree Nursing Program graduates from the University of Rio Grande and Rio Grande Community College.)
2) Complete the required admission procedures and policies for the Holzer School of Nursing Program as follows:
   a) Submit evidence of graduation from a State Board of Nursing approved pre-licensure R.N. associate degree or diploma program in nursing (official transcript).
   b) Present evidence of original, current, and valid R.N. License from the state of residence and the state where the student will do their clinical experiences. Student must be a licensed R.N. before attending NUR 30707 offered the second eight weeks of fall semester and all subsequent courses.
   c) Present evidence of original, current nursing professional liability insurance coverage (prior to NUR 30707).
   d) Present evidence of original, current, and valid CPR certification card (prior to NUR 30707).
   e) Provide evidence of completion of all course transfer prerequisites for admission to the RN-BSN Program (official transcripts).
   f) Submit completed Confidential Medical History Form to the School of Nursing.

* Licensure, liability insurance, CPR certification, and immunizations must remain current throughout enrollment in the Nursing Program.

** Online RN-BSN students are required to have access to a computer and the internet to complete their distance learning requirements. The computer needs to have a copy of (and be able to utilize) Firefox, Chrome, and Microsoft Office. It is recommended that computers have a minimum of 500GB Hard Drive and 8GB of RAM to effectively function in the distance education environment.

**Health Requirements**

- Vision Capabilities: Normal or corrected refraction within the range of 20/20 to 20/60 and ability to identify

and distinguish colors.

- Hearing Capabilities: Possess normal or corrected hearing abilities within 0-45 decibel range.
- Motor Capabilities: Maneuver hospital equipment without assistance. Assist in lifting patients in excess of 100 pounds using proper body mechanics. Stand for extended periods of time. Walk long distances without assistance while maneuvering/transporting patients. Possess hand/eye coordination and fine motor skills to provide adequate patient care.
- Language Capabilities: Communicate effectively with patient and other medical personnel. It is recommended that a second language is possessed or attempted.
- Mental Capabilities: Think and act quickly in emergency situations. Cope effectively with stress. Comprehend daily work activities and understand all pathology needed to present care plan or needs to members of the health care team. Possess the ability to work under close supervision, achieve deadlines, as well as adjust to irregular activity schedules. Applicant must also have the ability to concentrate and pay close attention to detail which performing patient care, patient assessments, completing required documentation, and preparing and administering medications.
- Exposure to Hazards: Occasionally exposed to dust, odors, bodily fluids, toxic substance, unpleasant patient care activities, and infectious diseases. May frequently be exposed to noise.

## Length of Program

A student may enroll in the RN-BSN Program on a full-time or part-time basis. The required nursing courses for the Online RN-BSN program may be completed within two semesters and one summer term. General Education courses are required in addition to the required nursing courses. Enrollment in the University or Community College courses neither implies nor guarantees a student's eventual acceptance into the Nursing Program.

**NOTE:** A grade of "C" (74%) or higher in theory is required for all nursing courses and a "satisfactory" designation for the clinical experience in nursing courses where this is a requirement.

## BSN Graduation Requirements

- Meet all Rio Grande graduation requirements
- Earn a minimum "C" grade in all required NUR courses

**Degree Requirements – Bachelor of Science in Nursing – Online RN-BSN Program**

General Education must include**:**
FPA 10503 Fine Arts ..... 3
HIS 12203 American History II ..... 3
HIS 13203 World Civilization II ..... 3
MTH 21404 Intro Probability & Statistics.....4
Total General Education hours.....13

Major Area required courses:
BIO 49303 Pathophysiology for Healthcare Prof .....3
NUR 30304 Concepts of Prof Nursing .....4
NUR 30707 Clinical Decision Making.....7
NUR 31303 Healthcare Ethics.....3
NUR 32303 Nursing Informatics.....3
NUR 40304 Nursing Research and
Evidence Based Practice.....4
NUR 40905 Nursing Leadership.....5
NUR 40906 Community Health Nursing.....6
NUR 41404 Transcultural Nursing …… 4
Total Major Area hours .....39
Upper Level Electives .....3
Total credits from Associate Nursing Program ..... 65
**Total hours required for graduation ..... 120**

**Recommended Course Sequence – Online Bachelor of Science**
**Degree in Nursing – RN-BSN**

**FIRST YEAR**
**First Semester (Fall 16 weeks)**
**Session #1 (1st 8 weeks)**
BIO 49303 Pathophysiology for Healthcare
Professionals.....3
NUR 30304 Concepts of Prof Nursing .....4
**Sessions #1 and #2 (16 weeks)**
MTH 21404 Intro. Probability & Statistics.....4
**Session #2 (2nd 8 weeks)**
NUR 30707 Clinical Decision Making.....7
**Total Semester Hours .....18**

**Second Semester (Spring 16 weeks)**
**Session #1 (1st 8 weeks)**
NUR 40304 Nursing Research
and Evidence Based Practice .....4
NUR 48803 Selected Topics in Nursing.....3
HIS 12203 American History .....3
**Session #2 (2nd 8 weeks)**
NUR 40905 Nursing Leadership .....5
NUR 41404 Transcultural Nursing.....4
ART 10303 Art Appreciation .....3
**Total Semester Hours .....22**

**Third Term (Summer 10 weeks)**
**Session #1 (1st 5 weeks)**
NUR 31303 Healthcare Ethics.....3
HIS 13203 World Civilization II .....3
**Sessions #1 and #2 (10 weeks)**
NUR 40906 Community Health Nursing.....6
**Session #2 (2nd 5 weeks)**
NUR 32303 Nursing Informatics.....3
**Total Semester Hours .....15**

Total credits from Associate Nursing Program ..... 65
Total hours required for graduation ..... 120

### Facilities

RN-BSN students reside in a variety of different states. RN-BSN students will determine the location for their clinical experiences and the School of Nursing and the University of Rio Grande will enter into a contractual agreement prior to the student beginning their clinical experiences.

## POLITICAL SCIENCE

**School of Liberal Arts & Social Sciences**
***College of Arts and Sciences***
Robert S. Wood Hall
740-245-7182 office; 740-245-7432 fax

### Mission Statement

Political Science is an academic and research discipline that seeks to describe, analyze, and explain the theory and practice of politics in its broadest sense. Political theory, institutional and structural analysis, individual and group participation, foreign and defense policy, and judicial behavior are included topics covered in the political curriculum.

### Degrees Offered

- Associate of Arts – Political Science
- Bachelor of Art or Science – Minor in Political Science

### Associate of Arts Learning Outcomes

The successful student will:

- Differentiate between a democracy and an autocracy. They will be able to define democracy, to determine whether any given political system is a democracy or an autocracy, and to demonstrate what characteristics, structures, and functions indicate that it is a democracy or an autocracy.
- Define constitution and differentiate between a true constitution and a document, which is merely a listing of governmental structures. They will be able to distinguish between a constitutional democracy and a basic democracy.
- Compare and contrast the political systems of sovereign states, both democratic and autocratic.
- Have a working knowledge of international relations and of the main schools of thought in international relations and foreign policy. They will understand the principle of sovereignty and the concept of political power.
- Analyze a court case, a legislative act, or an executive decision whether it is the actual decision or a scholarly article discussing the case, the act or the decision

### Degree Requirements

### Associate of Arts - Concentration in Political Science (3420)

General Education must include:
POL 11103 American National Government.....3
Total General Education hours ..... 39-40
POL 12103 American State Government .....3
POL 11203 Intro to the Am Constitutional Law .....3
POL 15103 Into to Comparative Government.....3
POL 25103 Intro to International Relations.....3
Selected personal electives..... 8-9
Total hours needed to graduate ..... 60

### Bachelor of Sciences or Arts - Minor in Political Science (3430)

General Education must include:
POL 11103 American National Government.....3
Total General Education hours ..... 39-40

Minor Area required courses
POL 12103 American State Government.....3
POL 31203 The American Constitutional System .....3
POL 35103 Comparative Government .....3
POL 45103 International Relations/Foreign Policy ...3
Total minor area hours .....12
Selected Major and Personal electives ..... 68-69
Total hours needed to graduate .....120

## PRE-ENGINEERING

**School of Technologies**
***College of Professional & Technical Studies***
Davis Career Center
740-245-7301 office; 740-245-7440 fax

### Degree Offered

- Associate of Technical Studies – Pre-Engineering

### Associate of Technical Studies Learning Outcomes

The successful student will:

- Demonstrate the foundational skills necessary for further study in Engineering or related disciplines at a four-year college or university.
- Solve problems in science & engineering using critical thinking skills.
- Effectively communicate scientific and engineering concepts both orally and in writing.
- Demonstrate an understanding of scientific notation, the concept of a logarithm, logarithmic scales, and the use of units appropriate for the problem at hand.

### Facilities

The Kidd Math/Science Center opened in 1985. With an award-winning masonry design, the center's front doors open to a glass atrium with live plants and a trickling pond. A spacious lobby follows with comfortable studying

facilities. The center houses three large chemistry labs, three biology labs, one physics lab, one computer lab, lecture rooms, faculty offices, and a large bent glass greenhouse that enhances the view of campus. McKenzie Hall opened in 1997 providing math/science students, along with the nursing students, two large lecture halls, a variety of lecture rooms, an anatomy lab, three computer labs, faculty offices and a conference room with a beautiful view of campus and the surrounding landscape.

## Degree Requirements

## Associate of Technical Studies – Pre-Engineering (94239)

Required courses:

| | |
|---|---|
| CHM 15005 General Chemistry I | 5 |
| CHM 15505 General Chemistry II | 5 |
| COM 11103 Fundamentals of Speech | 3 |
| CS 20104 Programming I | 4 |
| ENG 11103 Composition I* | 3 |
| ENG 11203 Composition II | 3 |
| HIS 13103 World Civilization I **or** | |
| HIS 13203 World Civilization II **or** | |
| HIS 12203 American History II | 3 |
| LA 10001 Gateway to Success | 1 |
| MTH 14505 Pre-Calculus | 5 |
| MTH 15105 Calculus I | 5 |
| MTH 15204 Calculus II | 4 |
| MTH 21404 Intro Probability & Statistics* | 4 |
| NSC 22304 Environmental Science | 4 |
| PHY 17505 General Physics I with Algebra | 5 |
| PHY 18505 General Physics II with Algebra | 5 |
| PSY 11103 General Psychology | 3 |
| Total required hours | 62 |

*Placement determined by testing.

Additional Academic Requirements
Graduation requires students to achieve a 2.00 overall grade point average in all coursework.

To view and/or print a copy of the Pre-Engineering fact sheet, which includes a suggested course sequence, visit the program's website at https://www.rio.edu/academics/find-your-program/pre-engineering

# PROFESSIONAL COMMUNICATIONS

**School of Liberal Arts & Social Sciences**
***College of Arts and Sciences***
Robert S. Wood Hall
740-245-7182 office; 740-245-7432 fax

## Mission Statement

The Professional Communications Program is dedicated to teaching relevant and marketable 21st century communication skills. In this interdisciplinary major, faculty advisors from the Communication, Art, and English programs work closely with students as they build valuable skills in creative, social, workplace, and global communications; collaborate successfully in design teams; and create communication plans in partnership with local businesses and agencies. At graduation with either a 2 or 4-year degree, Professional Communications majors will have professional communications portfolios including:

- website content writing and site design;
- social media content creation;
- print and electronic publication;
- document design and production;
- business and technical writing;
- visual rhetoric and multimedia composition;
- digital photography;
- group, organizational, and strategic communication; and,
- other written, oral, visual, and 21st-century digital communication skills within a workplace context.

## Degrees Offered

- Bachelor of Science – Professional Communications
- Associate of Arts – Professional Communications
- Bachelor of Arts or Science – Minor in Professional Communications

## Bachelor of Science Learning Outcomes

The successful student will:

- Develop proficiency and fluency with the tools of technology and 21st-century multimedia communication platforms;
- Create, critique, analyze, and evaluate multimedia texts appropriate to the audience, purpose, and context;
- Work successfully in teams to pose and solve problems collaboratively and to strengthen independent thought;
- Design and share information for global communities to meet a variety of purposes;
- Manage, analyze, and synthesize multiple streams of simultaneous information;

- Apply ethical communication principles and practices.

## Associate of Arts Learning Outcomes

The successful student will:

- Describe the communication discipline and its central questions.
- Employ communication theories, perspectives, principles, and concepts for professional issues.
- Analyze and create messages appropriate to the audience, purpose, and context.
- Demonstrate the ability to accomplish communicative goals (self-efficacy) in professional contexts.
- Apply ethical communication principles and practices.
- Utilize communication to embrace difference and influence public discourse.

## Facilities

Robert S. Wood Hall opened in September, 1989 and contains an auditorium, several general classrooms, seminar rooms, two smart classrooms and the Instructional Design and Media Center, which assists faculty with online learning and additional technology. The offices of senior and part-time faculty are on the second floor.

The Rio Grande John W. Berry Fine and Performing Arts Center opened in 1981. A signature glass atrium introduces visitors to the Center and serves as an entry to the 500-seat state-of-the-art Alphus R. Christensen Theatre. The theatre hosts numerous university and community productions and serves as a cultural hub to residents in a five-county area of Southern Ohio and West Virginia. Within the Center, the Art Department houses a Mac computer lab with Adobe software for web and print production, a large-scale color printer, a fully equipped darkroom and multi- purpose classrooms.

The Esther Allen Greer Museum houses a 3,000 square foot exhibition space, museum prep room for framing and preparing artwork for display, multi-purpose classrooms and the University Archives. Among the museum's holdings are numerous prints, drawings, paintings and sculpture comprising the Brooks Jones Endowment Collection.

The Art Annex was constructed in 1997. This 10,000 square foot building houses equipment and dedicated space for woodworking, metalworking, stone carving, printmaking, drawing, painting, hand building and wheel throwing ceramics, as well as a number of kilns and a foundry.

## Degree Requirements

The Professional Communications degree follows the Rio model of two-year associate degree + two-year stackable bachelor's degree. Students take classes in Communication, Art, and English to gain the perspective, knowledge, and skills necessary to communicate professionally, creatively, and effectively in the 21st century workplace. In the 4-year bachelor program, students are offered internship opportunities with local businesses and agencies and choose from a variety of course electives that will enhance their individual interests, their future goals, and their Professional Communications portfolios.

## Associate of Art – Professional Communications (0922)

General Education must include:
COM 11103 Fund. Of Speech Communication.....3
Total General Education hours.....39

Major Area required courses:
**Communication (9 hours):**
COM 20103 Intercultural Communication.....3
COM 22203 Small Group Communication.....3
COM 22303 Interviewing.....3
**Art (7 hours):**
ART 20204 Vector Graphics and Design……...4
ART 10403 Two-Dimensional Design……...3
**English (9 hours):**
ENG 21403 Business and Technical Writing…….3
ENG 28803 Selected Topics (Prof. Writing)...……...3
ENG 28803 Selected Topics (Grammar)……3
Total Major Area Hours……..25
Total hours needed to graduate……64

## Bachelor of Science – Professional Communications (0951)

General Education must include:
COM 11103 Fund. of Speech Communication……3
Total General Education hours.....39

Major Area required courses
**Communication (21 hours):**
COM 20103 Intercultural Communication.....3
COM 21103 Oral Interpretation .....3
COM 22203 Small Group Communication.....3
COM 22303 Interviewing.....3
COM 40103 Social Media Strategies .....3
COM 43203 Organizational Communication.....3
COM 37703 Communication Seminar.....3

**Art (22-23 hours):**
ART 10403 Two-Dimensional Design……..3
Studio Art Course……...3-4
ART 20204 Vector Graphics and Design……..4
ART 25404 Western Art History II……4
ART 26904 Digital Photography……...4
ART 48801-04 Selected Topics…….1-4

**English (21 hours):**
ENG 21403 Business and Technical Writing……..3
ENG 22103 Creative Writing……..3
ENG 25303 American Literature……3
ENG 28803 Selected Topics……..……3
ENG 38103 Professional Writing……..…..……...3
ENG 33403 The English Language……3
ENG 37103 Literature and Media……..3

**Internship and Portfolio (7 hours):**
Writing and Communication Internship……6
Portfolio…….1
Total Major Area Hours……71-72

Electives at 300-400 level…….12
Suggested courses:
COM 33103 Health Communication
MKT 33403 Marketing Research
MKT 34403 Consumer Behavior
PSY 33103 Organizational Psychology
PSY 33203 Social Psychology
PSY 37103 Personality
SOC 36103 Social Research
ART 300/400 Any Upper Level Art Course
Total hours needed to graduate…….122-123

## Bachelor of Arts or Science – Minor in Professional Communications (0935)

COM 20103 Intercultural Communication……3
COM 22303 Interviewing……..3
COM 40103 Social Media Strategies…….3
ENG 21403 Business and Technical Writing…….3
ENG 38103 Professional Writing……3
ART 20204 Vector Graphics and Design……4
Total Minor Area required hours……19

# PSYCHOLOGY

**School of Liberal Arts & Social Sciences**
***College of Arts & Sciences***
Robert S. Wood Hall
740-245-7182 office; 740-245-7432 fax

## Mission Statement

Psychology is the scientific study of behavior and cognition. The baccalaureate degree program is intended to provide students with a broad understanding of behavior and mental processes as well as with skills needed to design, analyze, and interpret research. Knowledge gained through the psychology baccalaureate program is useful in a variety of areas such as business or the service sector; it also provides the foundation for further study of psychology at the graduate level. The associate degree program is intended to prepare students for further study of psychology at the undergraduate level. The minor program is intended to familiarize students with a range of topics and skills in psychology.

## Degrees Offered

- Bachelor of Science – Major in Psychology
- Bachelor of Arts or Science – Minor in Psychology
- Associate of Arts – Concentration in Psychology

## Bachelor of Science Learning Outcomes

The successful student will:
- Develop a comprehensive understanding of key psychological concepts and theories including areas such as abnormal psychology, human development and cognition
- Develop integrated and critical reasoning to interpret and apply psychological theories and research
- Build professional aptitude in areas such as ethical practice, cultural awareness, leadership and interpersonal skills, in preparation for a meaningful career path
- Develop knowledge necessary to interpret, design, and conduct basic psychological research and communicate results for different purposes
- Prepare for further graduate study in psychology or related fields and apply psychological content and skills to life and career goals

## Associate of Arts Learning Outcomes

The successful student will:
- Build foundational knowledge of psychological concepts including learning, cognition, developmental psychology and social psychology
- Demonstrate basic research methods in psychology such as experimental design, data collection and statistical analysis
- Apply basic critical thinking skills to analyze and evaluate psychological theories, research findings, and real-world issues
- Communicate effectively, both orally and in writing, about psychological concepts and research findings
- Prepare to pursue further education in psychology or related fields, or to enter the workforce in positions related to psychology

## Degree Requirements

## Bachelor of Sciences – Major in Psychology (3541)

General Education must include:
BIO 11404 Principles of Biology.....4
MTH 21404 Intro Probability & Statistics.....4
PSY 11103 General Psychology..... 3
Total General Education hours.....39

Major Area required courses:
PSY 21103 Human Growth and Development ..... 3
PSY 25403 Behavior Modification ..... 3
PSY 26204 Research Methods ..... 4
PSY 33203 Social Psychology ..... 3
PSY 13103 Stress Management ..... 3
PSY 37103 Personality Psychology ..... 3
PSY 42203 Counseling Skills & Theor. Found..... 3
PSY 47603 History and Systems of Psychology..... 3
PSY 47103 Abnormal Psychology..... 3
PSY 49703 Senior Capstone ..... 3

Psychology electives – Minimum of 12 credit hours must be selected from the following list:

PSY 12503 Intro to Chemical Depend. Counseling .. 3
PSY 35103 Psychological Tests & Measurements ... 3
PSY 39503 Laboratory Exercise I..... 3
PSY 49503 Laboratory Exercise II ..... 3
PSY 47903 Community Practicum in Psychology*.. 3
PSY 29901-03 Directed Studies in Psychology ..... 1-3
PSY 33103 Organizational Psychology ..... 3
PSY 22804 Memory & Cognition..... 4
PSY 34203 Physiological Psychology ..... 3
PSY 34303 Sport Psychology ..... 3
PSY 36103 Sensation and Perception ..... 3
PSY 38801-03 Selected Topics in Psychology ..... 1-3
PSY 39902-06 Independent Study in Psychology.. 2-6

Total major credit hours ..... 44
Selected minor and personal electives..... 43
Total hours needed to graduate ..... 125

### Bachelor of Sciences – Minor in Psychology (3530)

General Education must include:
PSY 11103 General Psychology ..... 3
BIO 11404 Principles in Biology ..... 3
PSY 21503 Statistics for the Behavioral Sciences .. 3
Total General Education hours .....38

Minor Area required courses:
PSY 13103 Stress Management ..... 3
PSY 26204 Research Methods ..... 3
PSY 33203 Social Psychology ..... 3
PSY 47103 Abnormal Psychology..... 3

Psychology electives - Minimum of 6 credit hours must be selected from the following list:

PSY 12503 Intro to Chemical Depend. Counseling .. 3
PSY 35103 Psychological Tests & Measurements ... 3
PSY 42203 Counseling Skills & Theoretical Foundations ..... 3
PSY 39503 Laboratory Exercise I..... 3
PSY 49503 Laboratory Exercise II ..... 3
PSY 47903 Community Practicum in Psychology*.. 3
PSY 29901-03 Directed Studies in Psychology..... 1-3
PSY 33103 Organizational Psychology.....3
PSY 34303 Sport Psychology.....3
PSY 36103 Sensation and Perception.....3
PSY 38801-03 Selected Topics in Psychology..... 1-3
PSY 39902-06 Independent Study in Psychology . 2-6

Total minor area hours .....18
Selected Major and personal elective hours .....69
Total hours needed to graduate..... 125

### Associate of Arts – Concentration in Psychology (3520)

General Education must include:
BIO 11404 Principles of Biology.....4
ENG 11203 Composition II .....3
PSY 11103 General Psychology .....3
MTH 21404 Intro Prob & Stats .....4
Total General Education hours ..... 39-40

Major Area courses:
PSY 21103 Human Growth and Development.....3
PSY 13103 Stress Management.....3
PSY 22804 Memory and Cognition ..... 4
PSY 26204 Research Methods .....4
PSY 25403 Behavior Modification.....3
Total major hours.....17
Personal elective hours..... 7-8
Total hours needed to graduate.....64
**Note:** * Community Practicum may be taken no more than twice for up to 6 credits maximum. Community Practicum requires Junior or Senior standing, sponsorship by a full-time member of the Psychology faculty, and approval of the Dean of the College of Professional and Technical Studies. All required courses in Psychology require a grade of "C-" or better to count toward the B.S. degree.

# PUBLIC HEALTH

**School of Allied Health & Exercise Studies**
***College of Professional & Technical Studies***
Davis Career Center
740-245-7301 office; 740-245-7440 fax

### Mission Statement

The Public Health program is designed to equip students with the analytical skills necessary to build and champion public health policies. In addition to providing students with an understanding of research methods and data analysis, it also provides students with an understanding of the history and present reality of public health systems. Students will learn about the role of both the citizen and the state in public health, understand the importance and implications of economics in healthcare, and master the key approaches and heuristics of public health.

## Degrees Offered

- Bachelor of Technical Studies- Public Health

## Learning Outcomes

Successful students will:

- Be able to assess the historical context of public health policies and use historical data to inform their positions.
- Be able to source, analyze and explain epidemiological data to inform policy design.
- Be able to assess the strengths and weaknesses of any given healthcare system.
- Be able to evaluate the failures and successes of modern public health policies in the context of health trends, including epidemics and the COVID-19 pandemic, and their relevance for future policy decisions.
- Be able to implement modern qualitative and quantitative research methods and evaluate the importance of those methods for a given problem.

## Degree Requirements

## Bachelor of Technical Studies – Public Health (50531)

General Education required courses:

COM 11103 Speech Communication..... 3
ENG 11103 Composition I..... 3
ENG 11203 Composition II ..... 3
HPE 10101 Wellness..... 1
Any HPE Activity Course ..... 1
PHR 21403 Medical Ethics ..... 3
ART 10303 Art Appreciation..... 3
PSY 11103 General Psychology ..... 3
POL 11103 American National Government..... 3
SOC 11103 Intro to Sociology ..... 3
LA 10001 Gateway to Success..... 1
MTH 13404 College Algebra..... 4
BIO 12104 Biology I..... 4
CHM 15005 General Chemistry I ..... 5
Total General Education hours..... 40

Major Area required courses:

PH 11203 The History of Public Health ..... 3
BIO 12204 Biology II ..... 4
ECO 11403 Intro to Microeconomics ..... 3
BIO 20704 Ecology..... 4
SOC 24103 Minority Groups ..... 3
ECO 12403 Intro to Macroeconomics..... 3
CHM 15505 General Chemistry II..... 5
SOC 42103 Sociological Theory..... 3
HCA 31303 Population Health ..... 3
HPE 30302 Mental Health ..... 2
ATH 12103 Anthropology ..... 3
COM 20103 Intercultural Communication ..... 3
PH 31203 Health Services..... 3
PH 33303 Health Economics ..... 3
SOC 36103 Social Research ..... 3
BIO 30304 Microbiology..... 4
BIO 32603 Epidemiology..... 3
PH 42203 Public Health Studies I ..... 3
BIO 38402 Immunology..... 2
PH 41202 Public Health Internship I..... 2
BIO 38503 Environmental Toxicology ..... 3
BIO 43404 Parasitology..... 4
PH 43303 Public Health Studies II ..... 3
SOC 37203 Intro to Aging..... 3
PH 41402 Public Health Internship II..... 2
3 credit personal elective ..... 3
Total Major hours ..... 80

Total hours needed to graduate..... 120

# RADIOLOGIC TECHNOLOGY

**School of Allied Health & Exercise Studies**
***College of Professional & Technical Studies***
Davis Career Center
740-245-7301 office; 740-245-7440 fax

## Mission Statement

In accordance with the mission of University of Rio Grande/Rio Grande Community College, the Radiologic Technology program is designed to prepare students to be competent, entry-level radiographers who contribute to the healthcare team.

The Radiologic Technology (RAD) program's curriculum prepares students to enter the workforce as entry-level radiographers. Graduates will earn an Associate of Applied Science Degree in Radiologic Technology and will be eligible to apply for the National Certification Examination in Radiology through the American Registry of Radiologic Technologists.

Radiographers are individuals who are educated about delivering ionizing radiation. Radiographers are responsible for evaluating radiographs, applying radiation safety standards at all times, and administering contrast agents for better imaging. Radiographers also provide patient education and support, and must possess a high level of interpersonal skills. Radiographers are employed by hospitals, clinics, mobile imaging units, urgent care centers, or diagnostic imaging centers.

## Degrees Offered

- Associate of Applied Science-Radiologic Technology

## Associate of Applied Science Learning Outcomes

- Students will demonstrate clinical competence.
- Student will demonstrate critical thinking skills.
- Students will demonstrate effective communication skills.

## Accreditation

The Radiologic Technology Program is accredited by the Joint Review Committee on Education in Radiologic Technology, 20 North Wacker Drive, Suite 2850, Chicago IL 60660-3182, 312-704-5300, www.jrcert.org

## Facilities

Lecture and lab classes are held in Davis Career Center Room 105.

## Admission Requirements and Procedures

**Health Requirements**

- **Vision Capabilities**: Normal or corrected refraction within the range of 20/20 to 20/60, distinguish between color shades.
- **Hearing Capabilities**: Posses normal or corrected hearing abilities within 0-45 decibel range.
- **Motor Capabilities**: Maneuver large radiographic equipment weighing between 100-150 lbs. without assistance. Lift a minimum of 25 lbs. without assistance using proper body mechanics. Assist in lifting patients using proper body mechanics. Stand for extended periods of time. Walk without assistance long distances maneuvering radiographic equipment or transporting patients.
- **Language Capabilities**: Communicate verbally with patient, patient families, coworkers, and other medical personnel.
- **Mental Capabilities**: Think and act quickly to emergencies. Cope with stress. Comprehend daily work activities.
- **Other**: Pass drug/alcohol testing and required BCI & FBI background checks with clear results.

**Academic Requirements**

- High school or college cumulative grade point average (GPA) of 2.5 or higher. High school or College Credit Plus seniors may apply without attending a year of college first. All other College Credit Plus students are ineligible.
- Students with GEDs must successfully complete 24 credit hours as a full-time student or successfully complete 24 credit hours in consecutive semesters (excluding summers) of general courses required in the RAD program.
- The college cumulative GPA will be used in place of the high school cumulative GPA for all students who have attended college for a minimum of 12 credit hours.
- Completed one unit each of high school biology I, algebra I, and chemistry I or college-level equivalents and earned a minimum grade of "C" in each course.
- Developmental courses (if needed) in English, writing, and math must be completed before admission into the program.
- The student must earn a minimum of a "C" or better in Introduction to Probability & Statistics, Essentials of Human Anatomy & Physiology, Pharmacology & The Human Body, Sectional Anatomy, and/ or Standards for Patient Care if enrolled in these courses.
- Any required and/or prerequisite courses in progress have to be completed with a minimum grade of a "C" by the end of spring semester to be eligible.

## Admission Procedure

**Step One:**
**General Requirements and Procedures**

- Prospective applicants to the program should begin by applying for general admission/acceptance status to Rio Grande, which can be done by completing an application or by logging onto www.rio.edu and completing the online admissions application. There is no admissions fee for applying online.
- Identify your "intended major field of study" as Allied Health – Associate Degree (2 years).
- It is the student's responsibility to send an official copy of his/her high school and/or college transcript(s)and ACT scores to Rio Grande.
- Students must take the University Placement Test once accepted to Rio Grande.
- Students must meet all Rio Grande admission requirements.
- Students must be admitted to Rio Grande by February 1 to be considered for RAD program admission.

**Step Two:**
**RAD Admission Requirements and Procedures**

- Complete and submit the School of Allied Health Radiologic Technology Program (RAD) Application, available in the Admissions Office, the School of Allied Health, or online at https://www.rio.edu/admissions/apply/ by February 1 of the year you are seeking fall admission.
- RAD applications are good for one year only. After students are selected for the next academic year, all applications will be discarded. Students not accepted into the program must reapply each year.
- No application will be considered without complete documentation.

**Required Documents Checklist:**

- High School Transcripts with scores from 1st grading period of senior year
- College transcripts including Rio Grande
- General X-ray Machine Operator's License (if applicable)
- Allied Health Degree or Certification (if applicable**)**

**Submit the required documentation to:**

**Chris Barker**
**Director, Radiologic Technology Program**
University of Rio Grande/Rio Grande Community College
P.O. Box 500

Rio Grande, OH 45674

**Radiologic Technology Admission Process**
**Step One:**
Applicants will be scored based on cumulative GPA, GXMO license, and Allied Health Degree or certification points which count for 50% of the admission criteria, based on the following point system. This is an objective scoring process.

GPA (Cumulative):
3.7 – 4.0= 20
3.3 – 3.6= 15
3.0 – 3.2= 10
2.5 – 2.9= 5

HESI A2 Scores:
80 – 100% = 20
60 – 79% = 15
50 – 59% = 10
49% and below = 5

**General X-ray Machine Operator's License:**
An applicant who has a general x-ray machine operator's license and has a minimum of one year of full-time work experience as a GXMO will be awarded 2 points. Application to program must include GXMO license number and signature of employer for verification.

**Allied Health Certification or Degree:**
An applicant who has a certification or degree in an Allied Health area or a minimum of 3 years full-time work experience in an Allied Health field will be awarded 2 points. Application to the program must include copy of degree and/ or certification and signature of employer for verification.

**Meeting all of the above requirements does not mean automatic admission/acceptance into the program nor does it guarantee an interview.**

**Step Two:**
Applicants with the higher scores will be scheduled for an interview, which will count for 50% of the admission criteria. The interview process will consist of a selection committee who will interview and rank these applicants. The selection committee's decision is based upon the submitted academics achievements and who is most likely to succeed in the program. This is a subjective scoring process.

After the interview process, applicants will be selected for the Radiologic Technology program. Applicants not initially selected for admission will be encouraged to enroll in Allied Health courses designed to prepare them to reapply for possible enrollment at a later date.

**Step Three:**
Students selected for the Radiologic Technology program must, prior to the beginning of classes:

1. Submit a completed Physical Examination & Medical History Form.
2. Submit complete childhood immunization and booster records.
3. Submit proof of varicella zoster live-virus vaccine or reliable history of varicella (chicken pox) or serologic evidence of immunity.
4. Submit proof of receiving Hepatitis B vaccine series.
5. Submit proof of flu vaccine.
6. Submit BCI & FBI background checks and drug/alcohol tests with clear results.
7. Submit a copy of current CPR certification. Students are responsible for CPR certification fee.
8. Maintain a 2.0 cumulative GPA.

**Drug & Alcohol Testing:** Students in the RAD program are subject to random drug and/or alcohol testing. Students are responsible for testing fee. The student must pass random drug/alcohol test.

**BCI and FBI Background Checks**: Students in the RAD program are subject to BCI and FBI background checks. Students are responsible for background check fees. The student must receive a BCI & FBI background checks with clear results.

Only students who are officially admitted into the Radiologic Technology program can enroll in the Radiologic courses.

## Degree Requirements

## Associate of Applied Science-Radiologic Technology (93203)

**First Year-Fall**
AHC 10202 Standards of Patient Care** .....2
AHC 13303 Medical Terminology I .....3
BIO 11204 Essentials of Anatomy& Physiology.....4
LA 10001 Gateway to Success.....1
RAD 10101 Introduction to Radiologic Sciences .....1
RAD 10202 Radiation Physics .....2
RAD 11104 Radiographic Positioning & Imaging Procedures I .....4
RAD 11401 Clinical Education .....1
Total hours .....18

**First Year-Spring**
AHC 22403 Pharmacology & the Human Body.....3
MTH 21404 Intro Probability and Statistics .....4
RAD 11203 Radiographic Positioning & Imaging Procedures II .....3
RAD 11302 Imaging & Processing I .....2
RAD 11502 Clinical Education I .....2
Total hours .....14

**First Year-Summer**
RAD 21204 Clinical Education II ..... 4
ENG 11103 Composition I*..... 3
Total hours ..... 7

**Second Year-Fall**
COM 11103 Fundamentals of Speech ..... 3
RAD 21103 Rad Positioning & Imaging Procedures III ..... 3
RAD 21302 Radiobiology & Radiation Protection... 2
RAD 21402 Imaging & Processing II ..... 2
RAD 21503 Clinical Education III..... 3
Total hours ..... 13

**Second Year-Spring**
AHC 10401 Sectional Anatomy..... 1
PHR 21403 Medical Ethics ..... 3
RAD 11601 Computed Tomography..... 1
RAD 21701 Radiographic Pathology..... 1
RAD 21804 Radiographic Seminar..... 4
RAD 21903 Clinical Education IV..... 3
Total hours..... 13
Total hours needed to graduate..... 65
* Placement determined by placement testing.
**Students must take Rad Tech section of AHC 10202.

The clinical education courses are conducted at a variety of hospitals, clinics, and diagnostic imaging centers within a 60-mile radius of the University to provide the student with a better overall understanding of the diversity of work that occurs in imaging departments. Students are responsible for their own transportation to and from the various clinical education sites. Clinical Education is scheduled from 8:00 a.m.-4:30 p.m. on the following days:

**First Year:**
Fall: Friday
Spring: Monday, Wednesday
Summer: Monday, Tuesday, Thursday, Friday

**Second Year:**
Fall: Tuesday, Thursday, Friday
Spring: Tuesday, Thursday, Friday

The student will not be schedule for more than 40 hours per week, which includes classes and clinical education rotations. In addition, for the safety of the students and patients, not more than ten clinical hours shall be schedule in any one day. Hours exceeding these limitations must be voluntary on the student's part.

Students are responsible for fees associated with the cost of:

- Computer-based clinical grading and record keeping
- Positioning markers
- Scrubs

## Radiologic Technology Grading Scale

A=93-100%
B=85-92%
C=75-84%
F=≤74%

## Radiographic Academic Progression Requirements:

- All RAD courses must be taken in sequential order.
- The student must earn a minimum of a "C" or better in all RAD courses.
- The student must earn a minimum of a "C" in Essentials of Human Anatomy & Physiology, Pharmacology & the Human Body, Sectional Anatomy, and Standards for Patient Care to continue in the sequence.
- A minimum cumulative GPA of 2.0 must be maintained throughout the program.

**Graduation Requirements**

- Meet all Rio Grande graduation requirements.
- Earn a minimum cumulative GPA of 2.0
- Earn a minimum of a "C" in each RAD course.
- Complete all General Education courses.
- The student must successfully complete all credit hours in order to graduate.
- Complete all ARRT competencies.
- Return all personnel radiation monitors or submit a Badge Replacement Form.

A student will be ineligible to graduate from the Radiologic Technology Program and ineligible to take the National Certification Examination in Radiology through the American Registry of Radiologic Technology until all course requirements have been satisfied.

Failure to meet any, but not limited to, the above Radiographic academic requirements will result in the student's dismissal from the program. The student may be eligible to reapply to the program the next calendar year.

## Program Officials:

Program Director
Chris Barker, M.S., RT(R) (ARRT)
cbarker@rio.edu
740-245-7319

Clinical Coordinator
Rachel Payne, RT(R)
rpayne@rio.edu
740-245-7914

## Additional Information:

Individuals interested in the Radiologic Technology Program may contact the Office of Admissions; University of Rio Grande/Rio Grande Community College,
P.O. Box 500, Rio Grande, OH 45674-0500.

Applicants may also contact the University by telephone 740-245-5353 or 1-800-282-7201 (Toll Free in OH, WV, and KY), or by fax 740-245-7260.

To view and/or print a copy of the Radiologic Technology Program FACT Sheet and/or the Radiologic Technology Program application. Visit the program's website at https://www.rio.edu/academics/find-your-program/Radiologic-Technology

**The University of Rio Grande/Rio Grande Community College reserves the right to change the admission requirements or policies. All requirements will be periodically updated.**

# RESPIRATORY THERAPY

**School of Allied Health & Exercise Studies**
***College of Professional & Technical Studies***
Davis Career Center
740-245-7301 office; 740-245-7440 fax

## Mission Statement

In accordance with the mission of URG/RGCC, the Respiratory Therapy program is designed to provide an educational program that will prepare students to practice as qualified Respiratory Care Practitioners and to serve the community healthcare agencies by graduating competent and experienced Respiratory Care Practitioners. The program will build a solid foundation from which graduates can evolve with the changing respiratory therapy environment to grow into well-respected healthcare professionals.

Respiratory Therapy is a health-care discipline that specializes in the production of optimal cardiopulmonary function and health. Respiratory therapists apply scientific principles to prevent, identify, and treat acute or chronic dysfunction of the cardiopulmonary system. Knowledge of the scientific principles, underlying cardiopulmonary physiology and pathophysiology, as well as biomedical engineering and technology, enable the respiratory therapist to effectively assess, educate, and treat patients.

As a healthcare profession, respiratory therapy is practiced under medical direction across the healthcare continuum. Respiratory therapy is specifically focused on the assessment, treatment, management, control, diagnostic evaluation, education, and care of patients with deficiencies and abnormalities of the cardiopulmonary system, as well as on the prevention of the development of these deficiencies. Critical thinking, patient and environment assessment skills, and evidence-based clinical practice guidelines enable respiratory therapists to develop and implement effective care plans, therapist-driven protocols, disease-based clinical pathways, and disease management programs.

## Degree Offered

- Associate of Applied Science – Respiratory Therapy

## Associate of Applied Science Learning Outcomes

The successful student will:

- Explain respiratory therapy techniques in a manner appropriate to current national standards, as defined by the National Board of Respiratory Care.
- Develop the application of clinical skills required for delivery of the practice Respiratory Therapy.
- Develop the skills to use critical thinking and analytical skills to promptly and accurately assess the condition of patients presenting with respiratory conditions, and to develop and implement an appropriate plan of care.
- Safely and appropriately perform cardiopulmonary resuscitation, advanced cardiac life support, and neonatal resuscitation according to national standards.
- Safely and appropriately treat and monitor patients in need of artificial respirators (life support) in the form of mechanical ventilators.

## Accreditation

The Respiratory Therapy Program is accredited by the Committee on Accreditation for Respiratory Care (CoARC), 1248 Harwood Road, Bedford, TX 76021, 1-817-283-2835, www.coarc.com/.

**Commission on Accreditation for Respiratory Care**
The Respiratory Therapy program at the University of Rio Grande/Rio Grande Community College has been selected by CoARC to receive the *Distinguished RRT Credentialing Success Award* three years in a row. The RRT is considered the advanced level credential for the field of Respiratory Therapy. To be eligible for this award the program must have outcome data, meet or exceed all thresholds for accreditation, and demonstrate outstanding credentialing success by the program's graduates. Receiving this honor is a tribute to the commitment of the students, graduates, and all staff members of the Respiratory Therapy program at the University of Rio Grande/Rio Grande Community College.

## Facilities

The lecture and lab classes are held in Davis Career Center.

## Admission Requirements and Procedures

## Program Admittance

Prospective applicants to the Respiratory Therapy program should begin by applying for general admission/acceptance status to the University of Rio Grande, which can be done by completing an application or by logging onto www.rio.edu and completing the online admissions application. There is no admissions fee for applying online. Identify your "intended major field of study" as Allied Health - Associate Degree.

You must also complete the School of Allied Health's Respiratory Therapy Program online application, available at https://www.rio.edu/academics/find-your-program/respiratory-therapy by **February 1** of the year you are seeking fall admission.

It is the student's responsibility to see that the University has an official copy of his/her high school and/or college transcript(s) and the online Respiratory Therapy Program Application by **February 1**, when the selection process will begin. It is also the student's responsibility to submit copies of his/her high school and/or college transcript(s) to the RCP online by **February 1**. **No application will be considered without complete documentation.**

## Admission Requirements

- Students must meet all University of Rio Grande/Rio Grande Community College admission requirements.
- Students must be admitted to URG/RGCC by **February 1** to be considered for fall program admission.
- Students must take the URG placement exam to determine placement into math and English courses. Students must submit an Allied Health Technology—Respiratory Therapy Program online application form with copies of high school and/or college transcripts by **February 1** to be considered for fall program admission, once all academic requirements have been met. **Supplementary applications are good for one year only. After students are selected for the next academic year, all applications will be discarded. Students not accepted into the program must reapply each year.**
- Acceptance into the program is very competitive because of the limited spaces available. The number of students admitted each fall will be based upon clinical site availability. Application to the program will be reviewed and tallied based on an objective point system. The point system awards points for GPA, pre-interview test results, life experience points, college credits, and individual interview performance. Admission to the program will be awarded to those applicants who achieve the highest amount of points.
- Approval of interview panel selection by the Program Director is required for admission.
- Six hours of job shadowing of respiratory therapy must be completed prior to the interview in order to be interviewed.
- Only students who are officially admitted into the Respiratory Therapy program can take the RCP courses.

## Academic Requirements

- High school or college cumulative grade point average (GPA) of 2.5 or higher. (High school seniors may apply without attending a year of college first.) Students with GEDs must successfully complete 24 semester hours of college coursework as a full-time student or successful completion of 24 semester hours in consecutive semesters (excluding summers) with a cumulative GPA of 2.5 or higher. The courses taken must be general courses required in the two-year associate degree RCP program.
- Completed one unit each of high school biology, algebra, and chemistry or college-level equivalents; all with a minimum grade of "C."
- Developmental courses (if needed) in English, writing, and math must be completed before admission into the program. This is determined by taking the university's placement exam.
- CPR certification must be maintained throughout enrollment in the program.
- Prerequisite courses must be completed before admittance to RCP classes.
- Take an entrance exam given in the Spring semester before interviews are conducted (after application deadline).

## Health Requirements

- **Vision Capabilities**: Normal or corrected refraction within the range of 20/20 to 20/60. Distinguish between color shades.
- **Hearing Capabilities**: Possess normal or corrected hearing abilities within 0-45 decibel range.
- **Motor Capabilities**: Maneuver large equipment weighing between 100-150 lbs. without assistance. Lift a minimum of 25 lbs. without assistance using proper body mechanics. Assist in lifting patients using proper body mechanics. Stand for extended periods of time. Walk without assistance long distances maneuvering equipment or transporting patients.
- **Language Capabilities**: Communicate verbally with patient, patient families, coworkers, and other medical personnel.
- **Mental Capabilities**: Think and act quickly to emergency situations. Cope with stress. Comprehend daily work activities.
- **Other:** Pass pre-clinical drug testing as well as any random drug testing. Pre-clinical drug testing as well as any additional drug testing will be the financial responsibility of the student. All immunizations should be up-to-date.

## Degree Requirements

## Associate of Applied Science – Respiratory Therapy (93205)

General Education required courses:

AHC 13303Medical Terminology I .....3
AHC 14301 Medical Terminology II .....1
PHR 21403 Medical Ethics.....3
ENG 11103 Composition I .....3
RCP 22502 Cardiopulmonary Anatomy & Phys. .....2
COM 11103 Speech Communication .....3

Select one of the following two courses:
ENG 11203 Composition II ..... 3
ENG 21403 Business Tech Writing ..... 3

LA 10001 Gateway to Success..... 1
PSY 11103 General Psychology ..... 3
PHT 14302 Pharmacology for Respiratory Care..... 2
PHT 14303 Pharmacy Math for Respiratory Care .... 3
3 credit hour general education elective ..... 3
Total General Education hours ..... 30

Major Area required courses:
RCP 10204 Respiratory Fundamentals I ..... 4
RCP 10403 Cardiopulmonary Pathophysiology ..... 3
RCP 10501 Respiratory Practicum I..... 1
RCP 11502 Respiratory Practicum II ..... 2
RCP 11604 Respiratory Fundamentals II ..... 4
RCP 20103 Management of the Critical Patient ..... 3
RCP 20104 Mechanical Ventilation Management Tech ..... 4
RCP 20203 Neonatal Pediatric Respiratory Care ..... 3
RCP 20502 Respiratory Practicum III ..... 2
RCP 21202 RCP Seminar – Board Review ..... 2
RCP 21302 Cardiopulmonary Diagnostics ..... 2
RCP 21502 Respiratory Practicum IV ..... 2
RCP 21602 Respiratory Practicum V ..... 2
Total Major Area required hours..... 34
Total required hours for degree..... 64

***** Prerequisites of BIO 11404 Principles of Biology, MTH 11203 passed with "C" or higher or equivalent skill level as indicated on placement test. Also requires ENG 10502 passed with "C-" or higher or equivalent skill level as indicated on placement test.

The clinical education courses will be conducted at a variety of hospitals, clinics, and diagnostic centers. Students are responsible for their own transportation to and from the various clinical education sites. The clinical education courses will be scheduled for day, evening, midnight, and weekend rotations due to the different types of exams and events that occur in the various clinical sites. This will provide the student a better overall understanding of the diversity of the respiratory therapy field.

### Respiratory Therapy Academic Progression Requirements:

- All RCP courses must be taken in sequential order.
- The student must receive a minimum of a "C" (78%) or better in all RCP courses, PHT Pharmacology for Respiratory Care, PHT 14303 Pharmacy Math for RCP, BIO 10104, and CHM 10404 Principles of Chemistry to continue in the sequence.
- A minimum cumulative GPA of 2.0 must be maintained throughout the program.
- The student must successfully complete all 65 semester hours in order to graduate.

Failure to meet any of the above Respiratory Therapy academic requirements will result in the student's dismissal from the program. The student may reapply to the program the next calendar year.

### Graduation Requirements

- Meet all Rio Grande graduation requirements
- Earn a minimum "C" grade in all required RCP courses
- Earn a minimum "C" grade in PHT 14302 and PHT 14303

### Additional Information:

For further information, individuals interested in the Respiratory Therapy Program may contact the Office of Admissions, University of Rio Grande/Rio Grande Community College, P.O. Box 500, Rio Grande, Ohio 45674-0500 or Christina Miller, Respiratory Therapy Program Director, 740-245-7301 or cmiller@rio.edu.

Applicants may also contact the University by telephone 740-245-5353 or 1-800-282-7201 (Toll Free in OH, WV, and KY), or by fax 740-245-7260.

The University of Rio Grande/Rio Grande Community College reserves the right to change the admission requirements or policies. All requirements will be periodically updated.

To view and/or print a copy of the Respiratory Therapy Fact Sheet, which includes a suggested course sequence; visit the Respiratory Therapy website at https://www.rio.edu/academics/find-your-program/respiratory-therapy

## SOCIAL WORK

**School of Liberal Arts & Social Sciences**
***College of Arts & Sciences***
Robert S. Wood Hall
740-245-7182 office; 740-245-7432 fax

### Mission Statement

The purpose of the social work program is to promote the development of the student as an effective social work practitioner. A generalist approach to social work intervention emphasizes a solution-focused problem-solving relationship model and reflects a variable client system focus. The primary objective of the social work program is to prepare students for beginning professional social work practice. Recognizing the diversity of societal and geographic environments present in the region, the program strives to promote the professionalization of social services through quality education and community service. The knowledge base of the program focuses on understanding the transaction between the person and society. Appreciating

the values of the profession guides the student in developing appropriate attitudes necessary to the helping relationship. Practice skills result from both classroom and field experience. Development of the student's self-awareness as an individual and as a social person is a prerequisite to developing skills in the use of the self as an agent of change. A programmed schedule, which outlines the sequence of required courses and elective options, is available and should be reviewed with an advisor from the program.

### Degrees Offered

- Bachelor of Social Work
- Associate of Arts – Concentration in Social Services

### Learning Outcomes

A student completing the Associate of Arts Concentration in Social Services will be able to:

- Understand the concepts and principles of human behavior in a social environment.
- Identify the system of resources available for social services.
- Apply pre-professional problem-solving skill in a helping relationship.
- Respond to clients in the context of the values and ethics of the social work profession.

The primary goal of the BSW program is to prepare students for beginning professional social work practice. A generalist perspective emphasizes a problem-solving relationship model, reflecting a variable client system focus and includes communities, organizations, small groups, families and individuals.

The successful BSW student will be able to:

- Demonstrate ethical and professional behavior.
- Engage diversity and difference in practice.
- Advance human rights and social, economic, and environmental justice.
- Engage in policy practice.
- Engage with individuals, families, groups, organizations, and communities.
- Assess and plan with individuals, families, groups, organizations, and communities.
- Intervene with individuals, families, groups, organizations, and communities.
- Evaluate practice with individuals, families, groups, organizations, and communities.

## Accreditation

Completion of the baccalaureate curriculum awards graduates the Bachelor of Social Work (BSW) degree. The baccalaureate degree program is accredited by the Council on Social Work Education. Students interested in the BSW program must complete prerequisites and submit a formal application for admission. Although completion of the Associate Degree in Social Services is not required as a prerequisite for admission to the BSW program, the associate degree curriculum serves as a base of pre-professional education for the BSW degree. Programmed scheduling permits the student to earn two degrees in four years, providing unique opportunities for development as a career professional.

### Admission Requirements and Procedures

### Admission and Retention

The BSW program maintains selective admission policies and procedures. In addition to general university requirements, candidates for admission are directed to the Program Director for specific details. A minimum "C" grade in all identified coursework, i.e. social work, social and behavioral sciences, liberal arts foundation, is required to progress through the curriculum and for graduation from either the associate degree or baccalaureate program.

Formal admission requirements to the baccalaureate program include:

1. Completion of the Liberal Arts Core Foundation, English and Communication Sequence, and MTH 21404.
2. Completion of the Sophomore-level Field Experience (SWK 28902).
3. A cumulative G.P.A. of 2.50 in foundation and social science coursework, and an overall G.P.A. of 2.25.
4. Submission of a formal application and interview for admission to the professional social work program.

Retention in the baccalaureate social work program is dependent on the student's satisfactory progress toward completing the degree requirements. The student is expected to acknowledge and acquire the specific values, standards, and ethics of the social work profession. A process of program probation or suspension will be pursued when a candidate demonstrates evidence of deficiency in the curriculum. Notification of due process and appeal rights is outlined in the *Student Handbook*. Other policies detailing program requirements and protocol are found in the *Social Work Student Handbook.* Formal and informal counseling session, advisor(s) conferences, developmental coursework, and career advising may address educational and professional concerns.

### Coursework

All candidates for the Associate of Arts degree and the Bachelor of Social Work degree are required to complete the General Education Program, which provides a foundation in the liberal arts and sciences. This perspective, enriched with concentrations in the social and behavioral sciences, broadens the understanding of the person-environment context of social work practice. Completion of the Liberal Arts core foundation is required when initiating coursework in either the Human Behavior and Social Environment

(HBSE) or Social Welfare Policy and Services (SWPS) sequences. The professional curriculum fosters learning and proficiency in eight content areas:

- Human Behavior and Social Environment
- Social and Cultural Diversity
- Social Welfare Policy and Services
- Human Rights and Social Justice
- Research Methods
- Professional and Ethical Behavior
- Social Work Generalist Practice
- Field Practicum

## Field Instruction

Planning the series of four required terms of practica requires coordination with and the approval of the Field Placement Coordinator. The determination of the field placement site is the responsibility of the Field Placement Coordinator. Application for field placement requires evidence of auto liability insurance and health insurance. A specific health and immunization screening is required. A current and clear BCI and FBI criminal background check may be required. A course fee is assigned to all practica for professional liability insurance. No student with a deficient academic record will be assigned a field placement. Other policies regulating field instruction are detailed in the *Field Practicum Manual*.

Baccalaureate candidates are required to complete a sequence of three practice experiences (four terms) in approved agency settings. The series includes:

- SWK 28902 Social Work Field Observation and Reporting
- SWK 38903 Social Work Practicum
- SWK 48605/48705 Social Work Field Placement

Planning the series of four required terms of practice requires coordination with and the approval of the Director of Field Placement.

## Social Work Licensure (State of Ohio)

Persons using the title of "social worker" or persons performing social work in the State of Ohio must be licensed by the Counselor, Social Worker and Marriage and Family Therapist Board. Candidates for Licensure must have at least a bachelor degree in social work, achieve a passing score on the appropriate ASWB national examination, and submit an application. The Ohio Revised Code requires the Board to make inquiry regarding criminal convictions or previous professional behavior, which may result in misdemeanor charges causing action against a license/certificate. A successful application yields a license to practice social work as a Licensed Social Worker (LSW).

## Degree Requirements

## Bachelor of Social Work – (3141)

General Education must include:
BIO 11404 Principles of Biology.....4
HIS 13203 World Civilization II.....3
MTH 21404 Introductory Probability and Statistics..4
POL 11103 American National Government .....3
SOC 11103 Introduction to Sociology.....3
Total General Education hours.....38

Major Area required courses:
PSY 11103 General Psychology.....3
PSY 33203 Social Psychology.....3
PSY 47103 Abnormal Psychology.....3
SOC 24103 Minority Groups.....3
SOC 25103 Social Problems.....3
SOC 25403 Marriage and the Family .....3
SOC 36103 Social Research .....3
SOC 42103 Sociological Theory .....3
SWK 21103 Intro to Social Work .....3
SWK 22103 HBSE I.....3
SWK 23103 Social Welfare .....3
SWK 24103 Fund of Generalist Practice …… 3
SWK 24203 Interviewing Skills .....3
SWK 25101 Group Supervision .....1
SWK 28902 SW Field Observation & Reporting .....2
SWK 32103 HBSE II .....3
SWK 34103 Generalist Methods-Microsystems.....3
SWK 34202 Generalist Methods-Group work.....2
SWK 34303 Generalist Methods-Macrosystems ….. 3
SWK 35201 Advanced Group Supervision.....1
SWK 38903 Social Work Practicum.....3
SWK 42103 Social Welfare Policy Analysis.....3
SWK 44103 SW Methods & Process .....3
SWK 46103 Practice Research .....3
SWK 48101 Senior Field Seminar.....1
SWK 48605 SW Field Placement A .....5
SWK 48705 SW Field Placement B .....5
Total major area hours.....77
Personal electives.....5
Total hours needed to graduate .....120

## Associate of Arts – Social Services (3120)

An Associate of Arts Degree Program with a Concentration in Social Services may be earned in two years. Admission to the Associate Degree in Social Services pre-professional program is open, and its completion is not required as a prerequisite for admission to the baccalaureate program. Students must demonstrate and maintain satisfactory progress (a minimum "C" grade) in required coursework to graduate. This course of study serves as a base of pre-professional education for the social services. Graduates of the associate degree program are not guaranteed admission to the baccalaureate Social Work Program. The curriculum in Social Services is administered by the faculty of the social work program as follows:

General Education must include:
BIO 11404 Principles of Biology ..... 4
HIS 13203 World Civilization II ..... 3
MTH 21404 Introductory Probability and Statistics ... 4
POL 11103 American National Government ..... 3
SOC 11103 Introduction to Sociology ..... 3
Total General Education hours ..... 38

Major Area required courses:
PSY 11103 General Psychology ..... 3
SOC 24103 Minority Groups ..... 3
SOC 25103 Social Problems ..... 3
SWK 21103 Intro to Social Work ..... 3
SWK 22103 HBSE I ..... 3
SWK 23103 Social Welfare ..... 3
SWK 24103 Fund of Generalist Practice ..... 3
SWK 24203 Interviewing Skills ..... 3
SWK 25101 Group Supervision ..... 1
SWK 28902 SW Field Observation & Reporting ..... 2
Total minor area hours ..... 27
Total hours needed to graduate ..... 65

# SPORTS AND EXERCISE STUDIES

**School of Allied Health & Exercise Studies**
***College of Professional & Technical Studies***
Davis Career Center
740-245-7301 office; 740-245-7440 fax

## Mission Statement

The Sports & Exercise Studies program prepares graduates for various opportunities within the health and fitness industry. The sciences of biology, chemistry, anatomy and physiology provide the foundation for the further specialized study of how the human body responds and adapts to the physical stress of exercise. Laboratory activities provide students with the opportunity to gain hands-on experience in selecting, administering, and scoring tests for all components of physical fitness. Graduates of the Sports & Exercise Studies Program are skilled in developing and implementing safe and effective exercise programs for multiple populations to achieve wellness, health and/or performance goals.

## Degrees Offered

- Bachelor of Science – Sports and Exercise Studies
- Associate of Science – Sports and Exercise Studies

## Bachelor of Science Learning Outcomes

The successful student is able to:

- Plan safe and effective exercise programs that will develop those physiological mechanisms needed to support and enhance the performance of skilled athletes, develop the physical fitness of healthy non-athletes, and reduce the effects of hypokinetic diseases in the general population.
- Demonstrate the ability to perform client-appropriate fitness assessments for the health-related components of physical fitness, including cardiorespiratory endurance, muscular strength, muscular endurance, body composition, and flexibility.
- Describe the scientific basis of exercise programming, incorporating knowledge from exercise physiology, human anatomy, biomechanics, and motor learning.
- Describe basic concepts in regard to the relationship between nutrition and health/performance outcomes.
- Analyze human movement skills, diagnose errors, and then prescribe modifications that will enhance the effectiveness of movement skill performance.

## Associate of Science Learning Outcomes

The successful student is able to:

- Plan safe and effective exercise programs that will develop the physiological mechanisms needed to support and enhance the health-related components of physical fitness for healthy non-athletes.
- Describe the basic concepts related to strength and conditioning exercise techniques, including; warm-up and stretching techniques, resistance training and spotting techniques, programming for general muscular strength, endurance and hypertrophy proper sets, repetitions, loads, rest intervals, and recovery.
- Describe concepts related to the administration, leadership, and management of physical activity programs.

## Bachelor of Science – Sports and Exercise Studies (7441)

General Education must include:
BIO 11404 Prin. of Biology.....4
CHM 10404 Principles of Chemistry.....4
MTH 21404 Introductory Probability & Statistics ..... 4
General Education Total.....39
Major area required courses:
BIO 10104 Princ of Anatomy & Phys I.....4
IT 10203 MS Office & Internet I.....3
PSY 21103 Human Growth & Development.....3
HPE 10402 Intro Sport & Exercise Professions .....2
HPE 16203 Nutrition .....3
HPE 24103 Concepts in Exercise Science I.....3
HPE 24203 Concepts in Exercise Science II .....3
HPE 24003 Essentials in Strength & Conditioning ...3
HPE 28802 Selected Topics .....2
HPE 24302 Safety & First Aid .....2
HPE 25201 Treatment of Athletic Injuries .....1
HPE 28403 Administration of Physical Act Prog.....3
HPE 29902 Directed Studies-Practicum.....2
HPE 32403 Evaluation of Human Phys Perf .....3
HPE 36203 Nutrition for Sports & Exercise.....3
HPE 34403 Introduction to Biomechanics.....3
HPE 40403 Exercise Physiology .....3
HPE 43403 Motor Learning .....3

HPE 41103 Special Populations ..... 3
HPE 41203 Strength & Cond Athletic Perf ..... 3
HPE 48802 Selected Topics ..... 2
HPE 49804 Sports & Exercise Studies Internship. ... 4
HPE 25802 Coaching Concepts in Sports ..... 2
Select two activity courses (NOT weight training)
HPE 11601 Golf
HPE 12401 Badminton
HPE 13301 Racquetball
HPE 19801 Walking for Physical Fitness
HPE 11101 Archery
HPE 11201 Beginning Swimming
HPE 11301 Intermediate Swimming
HPE 11701 Swimming for Physical Fitness
HPE 11901 Folk and Social Dance
HPE 11402 Lifeguard Training
HPE 12301 Tennis ..... 2-3
Personal Electives ..... 21
Total Major Hours ..... 62-63
Total Hours Required For Degree ..... 122-123

### Associate of Science – Sports and Exercise Studies (74410)

General Education must include:
BIO 11404 Prin. of Biology ..... 4
MTH 21404 Introductory Probability & Statistics ..... 4
General Education Total ..... 35

Major area required courses:
HPE 10402 Intro Sport & Exercise Professions ..... 2
HPE 16203 Nutrition ..... 3
HPE 24103 Concepts in Exercise Science I ..... 3
HPE 24203 Concepts in Exercise Science II ..... 3
HPE 24003 Essentials in Strength & Conditioning ... 3
HPE 28802 Selected Topics ..... 2
HPE 24302 Safety & First Aid ..... 2
HPE 25201 Treatment of Athletic Injuries ..... 1
HPE 28403 Administration of Physical Act Prog ..... 3
HPE 29902 Directed Studies-Practicum ..... 2
HPE 25802 Coaching Concepts in Sports ..... 2
Select one activity courses (NOT weight training)
HPE 11601 Golf
HPE 12401 Badminton
HPE 13301 Racquetball
HPE 19801 Walking for Physical Fitness
HPE 11101 Archery
HPE 11201 Beginning Swimming
HPE 11301 Intermediate Swimming
HPE 11701 Swimming for Physical Fitness
HPE 11901 Folk and Social Dance
HPE 11402 Lifeguard Training
HPE 12301 Tennis ..... 1-2
Total Major Hours ..... 27
Total Hours Required For Degree ..... 62

# TECHNICAL STUDIES

**School of Technologies**
***College of Professional & Technical Studies***
Davis Career Center
740-245-7301 office; 740-245-7440 fax

## Mission Statement

The primary mission of the technical studies degrees is to provide a quality education through an individually planned technical program designed to respond to specialized needs of an individual or the community.

## Degrees Offered

- Associate of Technical Studies
- Bachelor of Technical Studies

## Associate of Technical Studies (code individualized)

As the primary objective of the Associate of Technical Studies (ATS) degree is to broaden the educational program alternatives in a community that has very limited industrial base, the proposed educational objectives may be very unique and nontraditional.

The Associate of Technical Studies (ATS) degree is open to any student admitted to the University of Rio Grande/Rio Grande Community College if the Chair of the School of Engineering Technologies determines that an existing technology degree program will not meet the student's educational goals and that those goals are based on a feasible occupational objective.

The proposed program of study must meet the requirements of the Ohio Department of Higher Education for content and must be approved by a committee of School of Engineering Technologies faculty members, who advise the student as needed throughout the implementation of the program.

Application for an ATS degree program must be made before 33 semester credit hours of combined transfer and University of Rio Grande/Rio Grande Community College academic coursework have been completed. The remaining courses must include at least half of the specialized/technical courses of the program.

## Bachelor of Technical Studies (code individualized)

The Bachelor of Technical Studies (BTS) degree program in URG/RGCC's School of Engineering Technologies offers a unique opportunity for students who would like to continue their formal education beyond an associate degree in a technical field that does not have a bachelor degree option available. The program builds on the student's technical

concentration from the associate degree by transferring those hours into a bachelor's program.

The BTS degree program allows any student with an associate degree from an accredited institution to enter the BTS program and graduate by completing 46 credit hours of specified core courses and 24 student selected credit hours (with an advisor's assistance) of technical electives. The BTS degree is a 2 + 2 degree program. Courses used for securing an associate degree cannot be used again for the BTS degree. All courses, regardless of their course level, are charged at the current private university credit hour rate for the third and fourth years.

The BTS degree program provides the student with knowledge, skills, and dispositions necessary for advancement in his/her chosen careers and integrates the technical skills developed within applied associate degree programs with the professional skills inculcated in a bachelor's degree program.
A completion degree, the BTS degree is offered through the School of Engineering Technologies and consists of:

- a minimum of forty-six (46) credit hours in core courses.
- a minimum of twenty-four (24) hours of student-selected hours (with assistance from an advisor) that builds upon the technical courses or technical area of the two-year degree.
- a minimum of thirty-three (33) credit hours at the 300/400 level.
- a minimum of 120 total credit hours necessary to graduate with a BTS degree.

## Bachelor of Technical Studies Learning Outcomes

- Learning outcomes will vary depending on the program.

## Associate of Technical Studies Learning Outcomes

- Learning outcomes will vary depending on the program.

**Third Year – Fall**
ACC 10503 General Accounting Fundamentals ..... 3
BM 20403 Principles of Management ..... 3
ECO 11403 Introduction to Microeconomics ..... 3
MKT 36403 Professional Communication ..... 3
Technical electives ..... 6
Total hours ..... 18

**Third Year - Spring**
BM 27403 Introduction to Business Law ..... 3
ECO 12403 Introduction to Macroeconomics ..... 3
PSY 11103 General Psychology ..... 3
IT 20303 DBMS Concepts ..... 3
Technical electives ..... 6
Total hours ..... 18

**Fourth Year – Fall**
BM 44503 Project Management ..... 3
ENT 44403 Small Business Management ..... 3
COM 43203 Organizational Comm ..... 3
BM 42403 Organizational Theory ..... 3
Technical electives ..... 6
Total hours ..... 18

**Fourth Year – Spring**
BM 22403 Organizational Behavior ..... 3
COM 22203 Small Group Communication ..... 3
MKT 21403 Principles of Marketing ..... 3
BM 46403 Operations Management ..... 3
Technical electives ..... 6
Total hours ..... 18

**Prerequisites**: Check upper level courses for any required prerequisites before registering.

At least 6 three-credit hour elective courses must be at the 300/400 level to meet graduation requirements.

## Academic Progression Requirements

- Must have completed an associate degree from an accredited institution.
- Student must work with an advisor in choosing electives that build on the technical area of the associate degree.
- Student must maintain a minimum cumulative GPA of 2.0 throughout the program.

# WELDING

**School of Technologies**
***College of Professional & Technical Studies***
Davis Career Center
740-245-7301 office; 740-245-7440 fax

## Mission Statement

The two-year Applied Technical Study Welding Technology program is designed to develop welding personnel skilled in metal product layout and design, properties of materials, welding code compliance and testing procedures, and fabrication and joining processes. The two-year course of study is organized to allow the student to develop the required skills necessary to successfully pass the mandatory pre-graduation welding performance certification test. The industrial coursework, along with a solid foundation in mathematics, science, and communications will greatly enhance the student's understanding and employability in today's highly diverse workplace environment.

## Certificate Learning Outcomes

The successful student will:

- Demonstrate his or her ability to work within the safety guidelines of a welding/fabrication shop.
- Perform the proper equipment inspections to ensure

safety guideline compliance.
- Layout and prepare for cutting various parts, assemblies, and or coupons to be welded.
- Correctly set up, operate, shut down, and disassemble an oxy/fuel gas torch system.
- Correctly clean and prepare surfaces to be welded
- Correctly fit up and maintain alignment of the assemblies or coupons to be welded.
- Properly adjust the welding process power sources in preparation for tacking and welding the assemblies or coupons to be welded.
- Weld the assemblies or coupons to meet the applicable code requirements.
- Perform the inspection processes to ensure the welded assemblies or coupons meet the requirements of the applicable code.

## Associate of Technical Studies Learning Outcomes

In addition to the Learning Outcomes for the Certificate, the successful manufacturing technology student earning the ATS in Welding will:

- Demonstrate a sound foundation in Mathematics, Composition, and Speech.
- Demonstrate knowledge of dangers within an industrial setting through OSHA 10 certification.
- Demonstrate the ability to read blueprints and schematics.
- Demonstrate knowledge of hydraulic fluid power systems and their principles.
- Demonstrate knowledge of both AC and DC electrical principles and how the two systems differ

## Degrees Offered

- Associate of Applied Technical Studies - Welding
- Certificate – Welding

## Facilities

The Welding/Manufacturing Laboratory in the E.E. Davis Career Center is equipped with a wide range of industrial lathes, milling machines, surface grinders, MIG, TIG, and traditional electrode welding machines. The Materials & Metallurgy Laboratory includes a universal testing machine, and all the metallurgy equipment required to study the micro-structure of metals.

## Degree Requirements

## Associate of Technical Studies-Welding (94216)

Major Area required courses:

COM 11103 Fundamentals of Speech ..... 3
ELE 10103 Basic Electricity ..... 3
ENG 11103 Composition I* ..... 3
ENG 21403 Business Technical Writing ..... 3
HIS ***** Any 3-Hour History Course ..... 3
HPE 24302 Safety & First Aid ..... 2
LA 10001 Gateway to Success ..... 1
MFG 10103 Basic Welding ..... 3
MFG 10203 GMAW Processes ..... 3
MFG 11102 Blue Print Reading ..... 2
MFG 12103 Welding Testing & Inspection ..... 3
MFG 12403 Manufacturing Processes ..... 3
MFG 16102 Hydraulics & Pneumatics ..... 2
MFG 20103 Advanced Welding ..... 3
MFG 20203 GTAW Processes ..... 3
MFG 22203 Basic Pipe Welding ..... 3
MFG 23103 Advanced Pipe Welding ..... 3
MFG 24103 Materials & Metallurgy ..... 3
MFG 27102 OSHA ..... 2
PSY 11103 General Psychology ..... 3
TEC 11704 Technical Mathematics I* ..... 4
TEC 11804 Technical Mathematics II ..... 4
3-hour computer course ..... 3
Total required hours for ATS degree ..... 65

* Placement determined testing.

To receive the ATS Welding degree, student must achieve a 2.00 overall grade point average in all Manufacturing/ technology-related courses and a 2.00 overall grade point average in all coursework.

NOTE: This degree is a direct pathway to the Bachelor of Science Degree in Industrial Technology (BSIT)

## Welding Certificate (9402)

The Welding Certificate Program is a nine-month program designed to train welders for jobs relating to structural welding and fabricating applications. The program will provide the student with a strong foundation in the following fields: structural welding and fabrication, destructive and non-destructive weld testing techniques, and welding code compliance requirements. Upon the successful completion of the program, a student will have the necessary welding skills to pass the AWS structural welding performance test. Any student, successfully passing the welding performance test, will receive welding certifications applicable to the highest level welding performance test he or she successfully performs. In addition to performing the actual welding, the student will be able to select, prepare, and perform destructive and non-destructive testing on welding specimens. In addition to welding skills, the program will require the student to complete coursework in the fields of print reading, machine tool operations (lathes, milling machines, drill presses, etc.), technical mathematics, and technical communications. This broad-based foundation will afford the students, who successfully complete the program, the opportunity to become productive employees for companies ranging from structural/ fabrication welding shops to repair/rebuild machine shops.

Major Area required courses:
ENG 11103 Composition I* ..... 3
MFG 10103 Basic Welding ..... 3
MFG 10203 GMAW Processes ..... 3
MFG 11102 Blueprint Reading ..... 2
MFG 12103 Welding Testing & Inspection ..... 3
MFG 12403 Manufacturing Processes ..... 3
MFG 20103 Advanced Welding ..... 3
MFG 20203 GTAW Processes ..... 3
MFG 24103 Materials & Metallurgy ..... 3
TEC 11704 Technical Mathematics I* ..... 4
Total required hours for certificate ..... 30

* Placement determined by testing.

To receive the Welding Certificate, student must achieve a 2.00 overall grade point average in all Manufacturing/ technology-related courses and a 2.00 overall grade point average in all coursework.

To view and/or print a copy of the Welding fact sheet, which includes a suggested course sequence; visit the program's website at https://www.rio.edu/academics/find-your-program/welding

# WILDLIFE CONSERVATION (23431)

**School of Natural Sciences**
***College of Arts and Sciences***
Kidd Math/Science Center
740-245-7397 office; 740-245-7172 fax

## Mission Statement

Provide the fundamental educational background in wildlife and fish conservation and management to be sufficiently knowledgeable to secure employment as a professional with a natural resources-orientated agency, organization, or company or continue on to graduate school.

## Program Design

The Rio Wildlife Conservation curriculum provides critical thinking skills, a solid academic background, and specific field and lab skills required for employment by either government or non-government agencies and organizations focused on management, monitoring, and/or research of wildlife and fish resources. Coupled with instilling an attitude of lifelong learning, these skills encourage the flexibility necessary for graduates to advance beyond entry-level positions, and actively engage in management of wildlife and fisheries in the 21st century.

Earning the Wildlife Conservation degree can be accomplished in one of two ways: Pursue the full 4-year course requirement as a Rio Student or complete a Hocking College (HC) Associate of Applied Science degree in either Wildlife Management Resources or Fish Management and Aquaculture Science then transfer to Rio as a junior. The Rio Wildlife Conservation degree curriculum addresses theories, issues, and challenges in the context of both basic science and applied management as well as provide hands-on field-orientated instruction.

## Degree Offered

- Bachelor of Science – Wildlife Conservation

## Bachelor of Science Learning Outcomes

The successful student will be able to:

- Interpret and apply information provided in technical and/or peer-reviews formats to address conservation issues.
- Analyze and summarize natural resources/wildlife-oriented data sets using descriptive statistics and graphical formats.
- Effectively communicate, in oral and written form, environmental and natural resources technical information.
- Relate models, theories, and concepts to wildlife conservation challenges.

## Certifications

The curriculum for the Wildlife Conservation program is designed to meet the educational requirements to earn Certified Associate Wildlife Biologist (CAWB) status awarded by The Wildlife Society. Elevation to the status of a Certified Wildlife Biologist (CWB) is possible when one obtains at least 5 years of full-time professional experience within a 10-year period. Although not all employers require certification as a condition of employment, both CAWB and CWB certification conveys to employers than an individual has both fundamental educational and ethical standards essential for success as a natural resource professional.

## Degree Requirements

Bachelor of Science – Wildlife Conservation (23431)

First two years:
Option A: Complete at Rio
General Education must include ..... 39-40
MTH 21404 Introductory Probability & Statistics ..... 4
BIO 12104 Biology I ..... 4
CHM 15005 General Chemistry I ..... 5

Major Area required hours ..... 55-59
BIO 12204 Biology II ..... 4
BIO 20704 Ecology ..... 4
BIO 24203 Wildlife Natural History and ID ..... 3
BIO 25203 Principles & Practices of Wildlife Management ..... 4
BIO 26901 Wildlife Practicum (repeat 3 times) ..... 3
NSC 22304 Environmental Science ..... 4
BIO 31303 Advanced Ornithology ..... 3
BIO 32303 Mammalogy ..... 3
BIO 35304 Field Biology & Methodology ..... 4

BIO 36303 Local Flora ..... 3
NSC 31303 Tech. Comm.-Natural Resources..... 3
HPE 24302 Safety & First Aid..... 2

**Select one of the following two courses:**
BIO 48803 Selected Topics in Biology..... 3
Or
BIO 49903 Directed Studies in Biology..... 3

**Upper Division BIO Electives** (Choose at least four)
***The below list are suggestions**
BIO 30304 Microbiology..... 4
BIO 32603 Epidemiology ..... 3
BIO 36304 Genetics..... 4
BIO 37504 Comparative Vertebrate Anatomy..... 4
BIO 38503 Environmental Toxicology ..... 3
BIO 40303 Evolution ..... 3
BIO 41304 Limnology ..... 4
BIO 41703 GIS App. For Resource Mgmt..... 3
BIO 43103 Applied Population Biology ..... 3
BIO 43404 Parasitology..... 3
BIO 45303 Conservation Biology..... 3
BIO 48803 Selected Topics..... 3

Personal electives may include: .....21-26
CHM 15505 General Chemistry II..... 5
CHM 26202 Organic Chem Lab I..... 2
CHM 26303 Organic Chem Theory I..... 3
CHM 27202 Organic Chem Lab II..... 2
CHM 27303 Organic Chem Theory II ..... 3
MTH 15105 Calculus I..... 5
NSC 20303 Physical Geology..... 3
Total Major Hours.....68-72

Personal Elective Hours .....21-26
Total hours required for degree ..... 120

**Note:** To graduate, a grade of "C-" or better is required in all core and elective courses in the program.

Option B: Transfer from Hocking College:
Associate of Applied Science degree in Wildlife Management Resources or Fish Management and Aquaculture Sciences..... 71
Remaining General Education required hours* .....9-15

Hocking College transfer students must have taken HC ENGL 2123 English Composition II or HC ENGL 2225 Technical Writing. Otherwise, they are required to take URG ENG 11203 Composition II.
Additionally, Hocking College transfer students must have taken HC CHM 131 Environmental Chemistry as one of their physical science classes, or they must take URG CHM 15005 General Chemistry I.
If they have not taken HC BIOS 1120 Botany, URG BIO 28802 Special Topics: Fundamentals of Biology will also be required. If they have not taken HC WLM 2251 Biostatistics for Wildlife Management, URG MTH 21404 Introductory Probability and Statistics will be required.

Additional 100-200 level classes at Hocking to meet standards for Wildlife Certification ..... 0-9

Junior –Senior Course Requirements:
30000-40000 level Required Courses (34 hours minimum)
NSC 31303 Communication Environ Nat Res Info .....3
BIO 31303 Advanced Ornithology .....3
BIO 32303 Mammalogy .....3
BIO 35304 Field Biology & Methodology .....4
BIO 36303 Local Flora .....3
BIO 37103 Principles of Conservation Genetics .....3
BIO 41304 Limnology .....4
BIO 42303 Human - Wildlife Conflicts .....3
BIO 43103 Applied Population Biology .....3
BIO 45303 Conservation Biology.....3
BIO 47103 GIS Applications for Resources Management .....3
Minimum of 4 hours taking either:
BIO 48802-03 Selected Topics in Biology ..... 2-3
BIO 49902-03 Directed Studies in Biology ..... 2-3
Total required hours for degree .....122

* Students completing a Hocking College AAS Degree in Wildlife Management Resources or Fish Management and Aquaculture Sciences will have completed URG General Education Requirements in Communication, Math and Science, and partially completed Health and Social Science requirements. They will need to complete 0 - 2 semester hours of health, 9 semester hours of humanities, and 0-4 semester hours of social sciences.

**Note:** Hocking College transfer students must take HC CHM131 Environmental Chemistry as one of their physical science classes.

## Undergraduate Course Descriptions

The course descriptions are listed alphabetically and numerically in order by discipline. The course number provides important information. Numbers at the 10000 or 20000 level indicate the freshman and sophomore level (community college). These courses should normally be completed during the freshman and sophomore years. Numbers 30000 and 40000 indicate junior and senior level (private university). These courses should normally be completed during the last two years of study in the junior and senior years.

The last two numbers indicate the number of credit hours the course carries, ranging from 1 through 10. The average course carries 3 credit hours. As an example, course number 10403 is a freshman-level, community college course carrying three credit hours.

**NOTE:** If (TM) appears after the course number, then that course meets the requirement of the Ohio Transfer 36 State Policy as presented elsewhere in this Catalog. (TAG) indicates Transfer Assurance Guide Approved Courses. For more information about the Ohio Transfer 36 (TM) or the Transfer Assurance Guide (TAG) courses see the Ohio Transfer 36 section of the catalog.
For courses that are dual-listed and/or cross-listed at two different levels, additional work/assignments may be required of students taking the course for the higher-level credit.

## ACC – Accounting

**ACC 10503 General Accounting Fundamentals.** (3 sem. hrs.), An accounting course for non-business/ non-accounting students. The course includes the basic financial recording and reporting process, and managerial accounting with a decision-making emphasis. An accounting system for use on the computer will be studied. Not for business majors. Lab Fee required. (Fall)

**ACC 11403 Principles of Accounting I.** (3 sem. hrs.)**.** An introduction to the accounting system, from the transaction through the preparation of the balance sheet and income statement. An introduction to basic financial terminology. Includes a study of current assets, long-term assets, liabilities, and owner's equity for both partnerships and corporations. Lab fee required. (Fall, Spring)

**ACC 12403 Principles of Accounting II.** (3 sem. hrs.)**.** Applications of ACC 11403. A study of the uses of accounting information for management decision making. Includes the preparation of the Statement of Cash Flows, department accounting, accounting for a manufacturing concern, job and process costing, budgeting, and cost-volume-profit analysis. Lab fee required. Prerequisite: ACC 11403. (Fall, Spring)

**ACC 21403 Intermediate Accounting I.** (3 sem. hrs.)**.** Accounting concepts and principles with emphasis on special problems of asset valuation and income determination in accordance with generally accepted accounting principles. Includes in-depth study of the complexities of revenue recognition, the study of cash, short-term liability, treatment of accounting changes, and receivables. Lab fee required. Prerequisite: ACC 12403 (Fall)

**ACC 22403 Intermediate Accounting II.** (3 sem. hrs.). Continuation of special accounting problems in accordance with generally accepted accounting principles. Includes in-depth study of intangible assets, bonds, long-term investments, capitalization of corporation, financial statement analysis, pensions, income tax allocation, and leases. Lab free required. Prerequisite: ACC 21403 (Spring)

**ACC 28801-03 Selected Topics in Accounting**. (1 to 3 sem. hrs.). Selected topics relevant to accounting. Lab fee required. (On Demand)

**ACC 34403 Federal Income Taxation**. (3 sem. hrs.). A course intended to provide the student with a working knowledge of federal income tax laws and procedures as applied to the individual and the sole proprietorship. With an introduction to capital gains and losses, tax research, and tax return preparation. Pre requisite: ACC 22403. (Spring)

**ACC 35403 Management Accounting.** (3 sem. hrs.). A survey course intended to provide the student with a working knowledge of those accounting problems related to cost determination, planning and control. Includes cost classification, cost-volume-profit analysis, cost accumulation and product costing, budgeting, and standard costs and variances. (Fall)

## AG - Agriculture

**AG 10101 Exploring Livestock Careers and Industry** (1 sem. hr**.).** This course is organized as an orientation to undergraduate students of opportunities and careers in the livestock agriculture industry. Students will be exposed to the vast scope available within the livestock industry while examining many disciplines of the industry (genetics, nutrition, reproduction, biology, chemistry, sales, health, food safety, microbiology, marketing, management, etc.).

**AG 11403 Fundamentals of Meat Science** (3 sem. hrs.) This course is organized to teach undergraduate students about the history, science, technology, and business of processing and marketing muscle foods. In addition, students should understand the terminology used in and associated with the meat industry and appreciate the many disciplines incorporated in meat science (genetics, nutrition, reproduction, biology, chemistry, health, microbiology, marketing, management, etc.).

**AG 21403 Ruminant Production** (3 sem. hrs.) This course provides students the opportunity to apply science and basic principles of nutrition, genetics, physiology, and marketing to the production and management of ruminants. Labs are hands-on application of scientific and basic principles of nutrition, genetics, physiology, health, reproduction, and management practices for modern ruminant production.

**AG 22403 Food Processing** (3 sem. hrs.) This course is organized as an introduction to the fundamentals of food processing and factors that affect food attributes, shelf life, and product safety. Students will be familiarized with various processing processes and equipment to demonstrate what it takes for food to be produced and sold on store shelves.

**AG 23303 Food Microbiology** (3 sem. hrs.) This course is organized as an introduction to food microbiology. Undergraduate students will learn the of the characteristics of microbial growth, intrinsic and extrinsic factors and their relationship to microbial growth; the principles of food fermentation and the role of beneficial microbes; the role of microorganisms and food spoilage; pathogenic microorganisms, infection and intoxication, mycotoxin, viruses and parasites; the principles to control microbial growth; as well as qualitative and quantitative microbiological analysis.

**AG 23403 Principles of Meat Animal Anatomy & Physiology** (3 sem. hrs.) This course is organized as an introduction to the anatomy and physiology of agricultural livestock. Students will learn the structure, systems, and mechanisms of how livestock animals sustain life through growth and development. Prerequisites: BIO 12104 and CHM 15005

**AG 24201 Meat Animal Processing I** (1 sem. hr.) Integrated studies of the meat animal processing sequence regarding the production of meat-type animals and the science and technology of their conversion to human food. Prerequisites: AG 11403, AG 22403, and AG 23403

**AG 24301 Meat Animal Processing II** (1 sem. hr.) Integrated studies of the meat animal processing sequence regarding the production of meat-type animals and the science and technology of their conversion to human food. Prerequisites: AG 11403, AG 22403, AG 23403, and AG 24201

**AG 24402 BBQ Science** (2 sem. hrs.) This course is organized as an introduction to Bar-B-Que science. Undergraduate students will learn the fundamentals of cooking, roasting, and smoking of meat and poultry to enhance the flavor, juiciness, and tenderness of each product.

**AG 24403 Animal Nutrition** (3 sem. hrs.) Students in this course will learn about all aspects of nutrition for domestic animals, from fundamentals of nutrition through feeds and feeding. The principles will be applied specifically to swine, beef cattle, dairy cattle, poultry and horses. Feeds commonly used in this country will be emphasized, but we will also consider feeds and principles of their use important to animals throughout the world. Students will learn feed ration balancing techniques including the principles of ration formulation by hand methods. Prerequisites: BIO 12104 and CHM 15005

**AG 24603 Meat Animal Carcass Evaluation** (3 sem. hrs.) This course is organized as an orientation to undergraduate students of the anatomy meat animal carcasses for food service. Students will dive into meat animal retail cuts and be able identify each cut and specify the process taken regarding the production of each meat type to a consumer product. Prerequisites: AG 11403

**AG 25402 Meat Science Internship** (2 sem. hrs.) On the job training of at least 100 meaningful hours or 12/13 full working days after approval of the Program Director, School Chair, or Dean, and an approved organization, which is expected to give the intern a variety of new and meaningful learning experiences directly related to the Meat Science industry. The intern is expected to demonstrate good work ethic and make a professional contribution to the organization while earning valuable experience towards a career in the industry.

## AHC - Allied Health Careers

**AHC 10101 Introduction to Allied Health Professions** (1 sem. hr**.).** This is a one-hour credit course designed to introduce students to the allied health profession career choices available on campus. Guest speakers—off campus individuals and/or Rio faculty—will present information needed to make an informed career choice in the allied health field. One-hour lecture. Course fee required. (Fall, Spring)

**AHC 10202 Standards of Patient Care** (2 sem. hrs.). This course is designed to provide the general standards of patient care in the clinical practice. Routine and emergency care standards are examined and the role that the allied health professional plays in patient education is discussed. Two hours lecture. Prerequisite: Student with declared major in Allied Health or Medical Office Assistant. RAD students will have to take RAD 28801 Selected Topics for Patient Care Competencies Skills. Course fee required. (Fall, Spring)

**AHC 10302 Electronic Health Records** (2 sem. hrs.). This course will give the students exposure to and hands-on experience with electronic documentation of health records. Specialization of informatics that now manages and processes medical data has created the need for professionals with the ability to chart clerical skills, clinical skills, and patient care in an EHR (electronic health record) system. Students will chart clerical skills, clinical skills, and patient care in an EHR (electronic health record) system. One-hour lecture, two hours lab. Course fee required. (Fall, Spring)

**AHC 10401 Sectional Anatomy** (1 sem. hr.). This course introduces the human anatomy structures and locations as seen in CT, MRI, and Ultrasound. Course fee required. Prerequisite: BIO 10104 & BIO 10204 with a grade of "C" or higher. Rad Tech Majors Only. (Fall)

**AHC 10403 EKG Technician** (3 sem. hrs.). This course is an introduction to the anatomy and physiology of the cardiac cycle and the electrical system of the heart. The student will learn how to calculate heart rate, identify normal sinus rhythms, and arrhythmias. The student will also learn about the 3, 5, and 12 lead EKG. Additionally, the student will learn how to prepare the patient, apply electrodes, and respond to signs and symptoms of

cardiopulmonary compromise. HIPAA regulations and the obtainment of vital signs will be introduced. Course fee required. (Fall, Spring, On demand)

**AHC 10501 Healthcare Compliance & Ethics** (1 sem. hr.) This course will give the student thorough instruction in various aspects of healthcare compliance, such as false claim laws, governmental and third-party payer guidelines, state and federal regulations, HIPAA, HITECH, Anti-Kickback, and Stark Law. (Fall)

**AHC 10503 Phlebotomy** (3 sem. hrs.) This course provides an opportunity for students to learn basic phlebotomy concepts and practical experience through didactic, laboratory, and clinical experiences. (Fall, Spring, Summer)

**AHC 13101 Technology & Resource Strategies for Nurses** (1 sem. hr.) This course introduces the student to the online learning environment. Through the utilization of computer technology, nursing students will learn practical tips, resources and information to help them succeed in the nursing program. Learning styles, time management, study and test-taking skills, medical terminology, and stress management will be investigated. Students will identify resources in the School of Nursing and on campus that can assist with their success in the Program. Nursing students will be introduced to the hands-on use of computers in healthcare settings. Students will explore the use of computers to effectively communicate and collaborate with members of the multidisciplinary healthcare team. Emphasis is placed on the importance of life-long learning, resources that aid the teaching-learning process, and the responsibility and accountability for maintaining confidentiality of client information. (Fall)

**AHC 13303 Medical Terminology I** (3 sem. hrs.) This course covers the medical language which is used in many areas of medicine. Medical terms are formed and analyzed. Abbreviations are studied. Medical terms regarding body structure, procedures, disease treatment, physical assessment, diagnostic imaging, and laboratory tests and values are examined to provide a fundamental understanding of the medical language. The course content aligns with the Ohio Department of Higher Education Career-Technical Credit Transfer (C-TAG) requirements. Three hours lecture. Course fee required. (Fall, Spring)

**AHC 14301 Medical Terminology II** (1 sem. hr.) This course is the completion of AHC 13303 Medical Terminology I, which covers the medical language which is used in many areas of medicine. Medical terms are formed and analyzed. Abbreviations are studied. Medical terms regarding body structure, procedures, disease treatment, physical assessment, diagnostic imaging, and laboratory tests and values are examined to provide a fundamental understanding of the medical language. Prerequisite: AHC 13303, Medical Terminology I, passed with a grade of "C" or higher. One-hour lecture. Course fee required. (Fall, Spring)

**AHC 20303 ICD Coding** (3 sem. hrs.). This course offers the student an overview of the widely used classification system (International Classification of Diseases) for medical coding, classifying, and identifying patient diseases and procedures in the United States. Medical coding systems transform verbal medical descriptions of patient diseases and procedures into numbers that are communicated electronically. The student will use the most current version of ICD coding that serves all healthcare stakeholders including physicians, hospitals, long-term care and outpatient facilities. Special emphasis is on abstracting ICD codes from source documents. Course fee required. (Fall)

**AHC 21203 CPT Coding** (3 sem. hrs.). This course offers the student an overview of a coding system developed by the American Medical Association (AMA) to convert widely accepted, uniform descriptions of medical, surgical, and diagnostic services rendered by health care providers into five-digit numeric codes. These codes enable health care providers to communicate both effectively and efficiently with third-party payers about the procedures and services provided to patients. Prerequisites: AHC 20303 ICD Coding, Three hours lecture. (Spring)

**AHC 22203 Healthcare Reimbursement** (3 sem. hrs.)**.** This course will give the student thorough instruction in all aspects of medical insurance, including plan options, payer requirements, state and federal regulations, abstracting of source documents, accurate completion of claims, and coding diagnoses and procedures/services. (Fall)

**AHC 22403 Pharmacology and the Human Body** (3 sem. hrs.). This course provides a knowledge base in basic concepts of pharmacology and drugs relevant to radiography and sonography practices. The administration of diagnostic contrast agents and intravenous medications related to radiologic and diagnostic medical sonography procedures are covered in this course. In addition, this course establishes a knowledge base of the human body systems. Prerequisites: BIO 10104 Principles of Human Anatomy & Physiology I or BIO 11204 Essentials of Anatomy & Physiology. Three hours lecture. Course fee required. (Spring)

**AHC 28801-03 Selected Topics in Allied Health Professions.** (1-3 sem. hrs.). This course is designed to be a study of topics not included in regular allied health course offerings. The format of this course may be independent, directed study or a scheduled class. Prerequisite: Permission of the instructor. Course fee may be required. (On Demand)

**AHC 29901-03 Directed Studies in Allied Health Careers.** (1-3 sem. hrs.). Independent study and/or research under the supervision of an instructor in any of the allied health areas. May include directed research and readings, formal in-depth study of a topic of special interest to the student, individual projects, special educational experiences, or a practicum in which theories and their practical applications are brought together in a single educational experience. Prerequisites: Sophomore standing, the completion of at least one semester of courses in an allied health area, and permission of the instructor and the program director. Course fee may be required. (On Demand)

**AHC 49901-03 Directed Studies in Allied Health Careers.** (1-3 sem. hrs.). Independent study and/or research under the supervision of an instructor in any of the allied health areas. May include directed research and readings, formal in-depth study of a topic of special interest to the student, individual projects, special educational experiences, or a practicum in which theories and their practical applications are brought together in a single educational experience. Prerequisites: Junior or senior standing, the completion of at least a two-year degree in an allied health area, permission of the instructor and program director. Course fee may be required. (On Demand)

## ART – Art

**ART 10303 (TM) Art Appreciation** (3 sem. hrs.). A survey course examining the role of the visual arts from a number of cultural perspectives, or "functions of art". This course will also study the structure and design components of art, as well as the various media and techniques used to create it. Throughout the semester, there will be a survey of a selection of art objects, taking into account the cultural, historical, political, religious, and social forces that influence artistic production. This course is intended for non-majors. Art majors will cover these topics in other courses. Prerequisites: None. Fall/Spring

**ART 10403 Two-Dimensional Design** (3 sem. hrs.). An introduction to the elements and fundamental principles of design and composition in the visual arts. For students in the licensure program – instructional objectives, teaching strategies, and evaluation techniques will enable them to transfer subject content to the classroom. Prerequisites: None. Two-hour lecture and two-hour lab. (Fall)

**ART 10503 Three-Dimensional Design** (3 sem. hrs.). The application of design elements and principles towards the understanding and creation of three-dimensional objects in visual art. Prerequisites: None. ART 10403 recommended. Two-hour lecture and two-hour lab.(Spring)

**ART 12301 Art Portfolio** (1 sem. hr.). This course includes the creation of a professional resume/curriculum vitae and image portfolio for visual artists. Students will also develop their concept of what a life in the visual arts entails. Prerequisites: None. (Fall)

**ART 12403 Drawing I** (3 sem. hrs.). An introduction to the technical and expressive aspects of drawing. Prerequisites: None. Two-hour lecture and two-hour lab (Fall)

**ART 15404 Western Art History I** (4 sem. hrs.**).** A survey of the major developments in painting, sculpture, architecture, and peripheral arts of the Western world from prehistoric times to the Gothic era. Prerequisites: None. (Fall)

**ART 20104 Raster Graphics** (4 sem. hrs.). An introduction to creating and manipulating pixel-based graphics using Adobe Photoshop. Students will use original and appropriated imagery to create original graphics. Basic principles of art and design will be emphasized. Prerequisites: None. Three-hour lecture and three-hour lab. (Fall)

**ART 20204 Vector Graphics and Design** (4 sem. hrs.) Vector Graphics and Design will introduce you to the basics of vector imaging and graphic/web design language. Prerequisites: None Three-hour lecture and three-hour lab. (Spring)

**ART 21504 Printmaking I** (4 sem. hrs.). An introduction to printmaking as an art form. Topics may include but are not limited to Relief, Intaglio, Lithography, Serigraphy, and Photomechanical printmaking. Prerequisites: None. (Spring)

**ART 23201 Exhibits** (1 sem. hr.). An introduction to the basic skills of installing art exhibits, preparing publicity materials, and other tasks associated with running an art gallery. Prerequisites: None. (Spring)

**ART 23504 Ceramics I** (4 sem. hrs.). An introduction to the fundamental techniques of working with clay. Wheel throwing, hand-building, clay and glaze chemistry, and firing processes will be included in the course content. Prerequisites: None. Three-hour lecture and three-hour lab. (Fall)

**ART 24504 Sculpture I** (4 sem. hrs.). An introduction to the materials and techniques of sculpture. Students will work in a variety of media, and learn the proper and safe use of shop tools and equipment. Prerequisites: None. Three-hour lecture and three-hour lab. (Spring)

**ART 25404 Western Art History II** (4 sem. hrs.). A survey of the major developments in painting, sculpture, architecture, and peripheral arts of the Western world from the Renaissance era to the late twentieth century. Prerequisites: None. ART 15404 recommended. (Spring)

**ART 26904 Digital Photography** (4 sem. hrs.). An introduction to the technical, artistic, and conceptual principles of digital photography. Prerequisites: None. Three-hour lecture and three-hour lab. (Spring)

**ART 28604 Painting I** (4 sem. hrs.). An introduction to the technical, artistic, and conceptual principals of oil painting. Prerequisites: None. Three-hour lecture and three-hour lab. (Spring)

**ART 28801-04 Selected Topics in Art** (1-4 sem. hrs.). This course is designed to offer students flexible subjects and topics as requests, need, and/or enrollment arises. Specific course syllabi will vary with each course offering. Prerequisite: Permission of the instructor. (On Demand)

**ART 30104 Junior Design Studio I** (4 sem. hrs.). Students will work independently or in small groups to create original graphics in a classroom lab setting. Regular critiques and discussions will help the student form their own design sensibilities. Lectures and demonstrations will expand the student's knowledge of design software, typography, printing and reproduction techniques. Prerequisites: ART 20204 or permission of instructor. Three-hour lecture and three-hour lab. (Fall)

**ART 30204 Junior Design Studio II** (4 sem. hrs.). A continuation of Junior Design Studio I. Students will build on the knowledge learned in previous classes to refine their design

sensibilities and make more professional and ambitious work. Lectures and demonstrations will expand the student's knowledge of design software, especially as it relates to interactive web graphics. Prerequisite: ART 30104 Junior Design Studio I or permission of instructor. (Spring)

**ART 31504 Printmaking II** (4sem. hrs.). A continuation of Printmaking I. Students will pursue independent study in a variety of print media, focusing primarily on photo-mechanical processes. Prerequisites: ART 21504 or permission of instructor. Three-hour lecture and three-hour lab. (Spring)

**ART 33504 Ceramics II** (4 sem. hrs.**)**. A continuation of Ceramics I. Skills in the techniques of working with clay, glaze, and firing processes will be developed. Students will work towards their own aesthetic with the instructor's guidance and help. Prerequisite: ART 23504 or permission of instructor. Three-hour lecture and three-hour lab. (Fall)

**ART 34504 Sculpture II** (4 sem. hrs.). A continuation of Sculpture I, focusing on an expanded variety of materials and techniques, and a refinement of the students' technical, conceptual, and aesthetic skills. Students will have more freedom in project choice, and more responsibility for research and production of finished works. Prerequisite: ART 24504 or permission of instructor. Three-hour lecture and three-hour lab. (Spring)

**ART 36503 Non-Western Art History** (3 sem. hrs.). Survey of non-western art traditions from Asia, the Americas, Africa, and the Pacific region from ancient times to present. Prerequisites: None. (Spring)

**ART 36904 Digital Photography III (4 sem. hrs.)** This course will introduce the student to basic principles of digital photography, including shooting RAW format, image manipulation and selection, conceptual concerns and printing with custom profiles. The student will produce a portfolio of original work. Three hour-lecture and three-hour lab. Prerequisites: ART 26904 (Fall)

**ART 38504 Drawing II** (4 sem. hrs.). A continuation of ART 12403 Drawing I. Students explore a variety of media, subject matter and approaches, and the course assignments may include any or all of the following: Color Drawing Media, Watercolor, Mixed Media, Figure Drawing, Collage, and experimental drawing techniques. Prerequisites: ART 12403 or permission of instructor. Three-hour lecture and three-hour lab. (Spring)

**ART 38604 Painting II** (4 sem. hrs.). A continuation of Painting I. There will be an emphasis upon the development of a portfolio of work that reflects a more personal approach to composition, content, and technique. Prerequisite: ART 28604 or permission of instructor. Three-hour lecture and three-hour lab. (Spring)

**ART 40104 Senior Design Studio I** (4 sem. hrs.). Students will provide professional design services to the university and the community. Projects will be selected by the instructor and students, and the faculty will supervise the design, production, and delivery of completed work to the client. Students will refine and develop their professional portfolio and continue designing promotional material related to their career. Prerequisites: ART 30204 or permission of instructor. Three-hour lecture and three-hour lab. (Fall)

**ART 40204 Senior Design Studio II** (4 sem. hrs.). A continuation of ART 40104 Senior Design Studio I, Students will continue to provide professional design services to the university and the community. Students will complete the assembly of their professional portfolio and promotional material. Prerequisites: ART 40104 or permission of instructor. (Spring)

**ART 41504 Printmaking III** (4 sem. hrs.). A continuation of Printmaking II. Students will continue the development of their technical, aesthetic, and conceptual skills as they take on more challenging projects, new materials, and work more independently. Prerequisites: ART 31504 or permission of instructor. Three-hour lecture and three-hour lab. (Spring)

**ART 43504 Ceramics III** (4 sem. hrs.). A continuation of Ceramics II. Skills in the techniques of working with clay, glaze, and firing processes will be developed. Students will continue to define and explore a personal aesthetic and begin to work more independently. Prerequisites: ART 33504 or permission of instructor. Three-hour lecture and three-hour lab. (Fall)

**ART 44504 Sculpture III** (4 sem. hrs.). A continuation of Sculpture II. Students will continue the development of their technical, aesthetic and conceptual skills, as they take on more challenging projects, new materials, and work more independently. Prerequisites: ART 34504 or permission of instructor. Three-hour lecture and three-hour lab. (Spring)

**ART 46503 Art History Criticism and Philosophy** (3 sem. hrs.). An examination of the role of criticism and philosophy in the visual arts throughout history with a special emphasis on twentieth and twenty-first century thought. Prerequisites: none ART 15404 and ART 25404 recommended. (Spring)

**ART 48501 Senior Exhibit** (1 sem. hr.). Students will gather, document, and present the work they created throughout their academic careers. This is a capstone course that includes an exhibition of student work, a professional portfolio, and an exit interview. Prerequisites: BFA and Art Education majors only, senior status. (Spring)

**ART 48604 Painting III** (4 sem. hrs.). A continuation of Painting II. There will be an emphasis upon the development of a cohesive portfolio that reflects formal and conceptual concerns. Prerequisites: ART 38604. Three-hour lecture and three-hour lab. (Spring)

**ART 48801-04 Selected Topics in Art** (1-4 sem. hrs.). This course is designed to offer students flexible subjects and topics as requests, need, and/or enrollment arises. Specific course syllabi will vary with each course offering. Students will continue the development of their technical, aesthetic, and conceptual skills, as they take on more challenging projects, new materials, and work more independently. Prerequisite: Permission of the instructor. (On

Demand)

## ATH – Anthropology

**ATH 12103 (TM) (TAG) Anthropology** (3 sem. hrs.). The study of humankind throughout time; the study of how our species (Homo sapiens) has changed, and how culture, human biology, and environment interact. The course is an introductory survey of cultural, archaeological, biological, and linguistic diversity. (Fall, Spring)

## BIO – Biology

**BIO 10104 Principles of Human Anatomy and Physiology I** (4 sem. hrs.). This course examines the fundamental concepts of anatomy and physiology of the human organism with emphasis on cells, tissues, integumentary system, skeletal system, muscular system, cardiovascular system, and respiratory system. Three-hour lecture, two-hour lab. This course is for allied heath majors. Course fee required. Prerequisite: C or better in High School Biology AND Chemistry or C- or better in BIO11404 AND CHM 10404 (Fall)

**BIO 10204 Principles of Human Anatomy and Physiology II** (4 sem. hrs.). This course examines the fundamental concepts of anatomy and physiology of the human organism with emphasis on nervous, endocrine, lymphatic, digestive, urinary and reproductive systems. Three hours lecture, two hours lab. This course is for Allied Health majors. Course fee required. Prerequisite: C- or better in BIO 10104. (Spring)

**BIO 10302 Microbiology for Nurses** (2 sem. hrs.). This is a survey course to provide the student with an understanding of the basic concepts and methodology of the discipline of microbiology. This course provides a study of microorganisms with emphasis on their relationship to pathogenesis, disease prevention, and principles of immunology. Two lecture hours. This course is designed for nursing student ONLY. Prerequisite: C or better in BIO 10104. (Spring)

**BIO 11004 Plants and People** (4 sem. hrs.). This course will present interrelationships of plants and humans from both historical and modern points of view. Fundamentals of plant biology (structure, function, genetics, and evolution) are examined. Also presented will be origins of agriculture and civilization, tropical and temperate food plants, medicinal plants, drug plants, destruction of the environment and its ultimate effect on food plants. Three hours lecture, two hours lab. Course fee required. (On Demand)

**BIO 11204 Essentials of Human Anatomy and Physiology** (4 sem. hrs.) This course examines the fundamental concepts of anatomy and physiology of the human organism including chemistry, cells, tissues, integumentary system, skeletal system, muscular system, cardiovascular system, respiratory system, nervous system, endocrine system, lymphatics and immunity, digestive system, renal and urinary system and reproductive systems and development. Three hours lecture, two hours lab. This course is for allied health majors. It will not fulfill nursing program requirements. (Fall, Spring)

**BIO 11404 (TM) Principles of Biology** (4 sem. hrs.). This course will cover major biological topics about the origin, development, and organization of life. Through lab activities, students will learn to analyze data and use the scientific method to solve problems. Current issues related to biological topics will be discussed as appropriate. Three hours lecture, two hours lab. Course fee required. (Fall, Spring, Summer)

**BIO 12104 Biology I** (4 sem. hrs.). Introduces students to the basic concepts of cellular and molecular biology, including but not limited to the studies of the molecules of life, membrane structure and function, cell structure and function, DNA, DNA replication, cellular replication, and basic patterns of inheritance. Students will also be introduced to the process of scientific inquiry, including hypothesis testing and data analysis. Three-hour lecture, two-hour lab. Course fee required. Note: This course can be used in place of Principles of Biology to meet the General Education requirement for life sciences. However, Principles of Biology may not be substituted for Biology I for a major in biology or environmental science. (Fall)

**BIO 12204 Biology II** (4 sem. hrs.). Survey of living organisms, including bacteria, archaea, protists, fungi, plants, and animals, with emphasis on evolution, classification, and the design and function of major biological systems. Students will also be introduced to basic evolutionary and ecological principles. Scientific inquiry including observational skills, experimental design, and data analysis will be emphasized throughout the course. Three-hour lecture, two-hour lab. Course fee required. Prerequisites: C- or better in BIO 12104 (Spring)

**BIO 20704 Ecology** (4 sem. hrs.). Fundamental ecological principles, including factors controlling species distributions, animal behavior, population growth and demography, species interactions, community structure and diversity, and basic ecosystem processes are covered in this course. Students are required to do inquiry-based investigations and analysis of data. Three-hour lecture, two-hour lab. Course fee required. Prerequisite: C- or better in BIO 12204. (Fall)

**BIO 21404 Human Anatomy and Physiology I** (4 sem. hrs.). This course examines the concepts of anatomy and physiology as they are found in the human organism. Presentations are on the basis of structure, function, and interaction in the areas of cell metabolism, tissues, skin, bone, joints, muscles, central, peripheral and autonomic nervous systems and endocrinology. Three-hour lecture, two-hour lab. Course fee required. Prerequisite: C- or better in BIO 12204. (Fall)

**BIO 22404 Human Anatomy and Physiology II** (4 sem. hrs.). This course examines the concepts of anatomy and physiology as they are found in the human organism. Presentations are on the basis of structure, function, and interaction in the areas of cardiology, blood, respiration, lymphatics, digestion, nutrition, renal, water balance, reproduction and development. Three-hour

lecture, two-hour lab. Course fee required. Prerequisite: C- or better in BIO 21404. (Spring)

**BIO 24203 Wildlife Natural History and Identification** (3 sem. hrs.). This course focuses on the natural history, distribution, and identification of vertebrates. The emphasis is on North American species with aging and sexing techniques presented for selected species. Two-hour lecture and two-hour lab. Prerequisites: BIO 12204. (Spring)

**BIO 25203 Wildlife Management: Principles and Practices** (3 sem. hrs.). This course is an introduction to the principles and practices of managing wildlife. The key aspects examined are the historic use of wildlife in North America, the origins of wildlife management as a discipline, and the basics of wildlife-habitat relationships and management, population dynamics, human-wildlife conflicts, species (both single and multiple) management including consumptive and non-consumptive uses, and key legislation impacting conservation. Two-hour lecture and two-hour lab. Prerequisites: BIO 12204 or permission of instructor. (Fall)

**BIO 26901 Wildlife Practicum** (1 sem. hr.). This course requires field or lab "hands-on" data collection and/or analysis or participation in monitoring local flora or fauna or habitat manipulation. Activities may include participating in eco-monitoring projects at designated URG sites or with a local, state, or national conservation-oriented agency or non-governmental organization. Student must maintain a log of activities and complete an exit survey to be conducted by the assigned faculty supervising the practicum. Requires forty (40) hours of field and/or lab effort. Student may repeat this course up to 3 times (for a maximum of 4 credit hours for Wildlife Practicum). Prerequisites: BIO 12104 or permission of instructor and School Chair. (On Demand)

**BIO 28801-03 Selected Topics in Biology** (1-3 sem. hrs.). This course is designed to be taught on demand. It could include research or a seminar approach to topics of biological significance. Prerequisites: Sophomore standing, and permission of instructor and School Chair. Course fee required. (On Demand)

**BIO 29901-03 Directed Studies in Biology** (1-3 sem. hrs.). This course requires a student to conduct a focused literature review and/or research project addressing a Biology, Environmental Science or Wildlife Conservation topic. A formal, written summary of work—usually in the form of a peer-reviewed manuscript format, a poster, or formal oral presentation will be required. Prerequisites: BIO 12204 (and permission of instructor and School Chair. (Spring)

**BIO 30304 Microbiology** (4 sem. hrs.) This course is a study of the structure, physiology, classification, and interactions of microorganisms with emphasis on microbes of importance to medicine, industry, and biotechnology. It also includes mechanisms of pathogenicity, body defense mechanisms, and immunology. Three-lecture, two-hour lab. Prerequisite: C- or better in BIO 20704. (Spring)

**BIO 31303 Advanced Ornithology** (3 sem. hrs.). This course is a study of the classification, evolution, distribution, life histories, and morphological, ecological, and behavioral adaptations of birds. Two-hour lecture, two-hour lab. Prerequisite: C- or better in BIO 20704 or Hocking College Associate Degree in Wildlife Sciences. (Spring)

**BIO 31404 Vertebrate Zoology** (4 sem. hrs.). The classification, identification, comparative anatomy, and natural history of the vertebrates are considered in this course. Dissection is utilized to study the organ systems of representatives of the classes. Emphasis is given to the identification and natural history of the species common to our region. Three-hour lecture, two-hour lab. Prerequisite: C- or better in BIO 20704. (On Demand)

**BIO 32303 Mammalogy** (3 sem. hrs.). This course is a study of mammals with an emphasis on diversity, distribution, life history, ecology, and field techniques. Two-hour lecture, two-hour lab. Prerequisite: C- or better in BIO 20704 and MTH 21404, and or HC WM 156. (Fall)

**BIO 32603 Epidemiology** (3 sem. hrs.) This course is an introduction to the basic principles and methods of epidemiology with an emphasis on critical thinking, analytic skills, investigative techniques, and application to clinical practice and research. The basic principles of epidemiology will be studied as they apply to public health practice. Three-hour lecture. Prerequisites: C- or better in BIO 20704, BIO 21404 and MTH 21404. (On Demand)

**BIO 33404 Invertebrate Zoology** (4 sem. hrs.). This course is a survey of the major groups of invertebrates with emphasis on taxonomy, structure, reproduction, and evolution. Three-hour lecture, two-hour lab. Prerequisite: C- or better in BIO 20703 and BIO 12104. (Fall 2023)

**BIO 34403 Introduction to Biochemistry** (3 sem. hrs.). This is an introductory course that covers the structure, function, and reactions of biological macromolecules, including proteins, carbohydrates, lipids, and nucleic acids. Three-hour lecture. Prerequisites: CHM 27303 and BIO 12104. (Fall 2023)

**BIO 34501 Biochemistry Laboratory** (1 sem. hr.) This is a laboratory course that introduces modern research techniques used in biochemistry, including purification and characterization of biological macromolecules; measurement of enzyme kinetics; extraction, separation, and isolation techniques; and computational methods. Prerequisites: C- or higher in BIO 20704 (Fall 2024)

**BIO 35304 Field Biology and Methodology** (4 sem. hrs.). This course focuses on the various types of terrestrial and ecosystems common to the region with an emphasis on biotic and abiotic components and their relationships Labs focus on the use of specimen collection techniques, use of taxonomic keys, use of soil and water analysis equipment, and other ecological field methods. Students are required to do inquiry-based investigations and analysis of data. Three-hour lecture, three-hour lab. Prerequisite: C- or better in BIO 20704 or Hocking College Associate Degree in Wildlife or Fish Sciences. (Fall 2024)

**BIO 36303 Local Flora** (3 sem. hrs.). This course covers classification, morphology, distribution, and identification of the woody and herbaceous plants. Emphasis is on the recognition of the plants and plant communities of the region. Two-hour lecture, two-hour lab. Prerequisite: C- or better in BIO 20704 and CHM 15005, or Hocking College Associate Degree in Wildlife or Fish Sciences. (Fall)

**BIO 36404 Genetics** (4 sem. hrs.). Variation and heredity in living organisms are considered at the whole organism, molecular, and population levels. This course includes an examination of the historical development of genetics from Mendel to modern research on DNA. This course also examines current biotechnology and some of its implications to society. Three-hour lecture, two-hour lab. Prerequisites: C- or better in BIO 20704 and CHM 15005. (Fall)

**BIO 36804 Advanced Plant Biology** (4 sem. hrs.). This course is an advanced course in plant biology that will thoroughly cover the general principles of plant biology, including structure, function, diversity, reproduction, and evolution of plants. Emphasis will be placed on plant systematics, plant physiology, plant development and anatomy, ecology, and evolution. Prerequisite: C- or better in BIO 12104 and BIO 12204. (On Demand)

**BIO 37103 Principles of Conservation Genetics** (3 sem. hrs.). This course is a broad survey of genetic principles and techniques as they apply to the management and conservation of wildlife populations. Beginning with an overview of foundational genetic concepts, the course will progress through contemporary techniques of measuring and characterizing genetic diversity to basic modeling of population genetics. Special emphasis will be placed on the genetics and evolution of small and fragmented wildlife populations. Some lab activities will be incorporated to complement and reinforce concepts and materials covered in lecture. Three-hour lecture. Prerequisites: C- or better in BIO 12204 or Hocking College Associate Degree in Wildlife or Fish Sciences. (Spring 2025)

**BIO 37303 Cellular and Molecular Biology** (3 sem. hrs.). This course will provide an overview of cell biology, emphasizing the molecular and genetic basis of cell structure and function and the dynamic nature of cells and their components. The course is intended for majors in biological sciences and will build on concepts introduced in the prerequisite classes. Students will use knowledge of molecules and genetics to explore topics in protein function, cell compartmentalization, signaling, and dynamics. Three-hour lecture. Prerequisite: C- or better in BIO 20704.

**BIO 37504 Comparative Vertebrate Anatomy** (4 sem. hrs.). A study of the similarities of anatomy and phylogenetic relationships of major vertebrate groups. Emphasis is on comparative anatomical structural, functional, and evolutionary relationships within and between major taxa or vertebrates. Laboratories include dissection and study of representative chordate systems with emphasis on the anatomy and evolution of fishes, amphibians, reptiles, birds, and mammals. Three-hour lecture, two-hour lab. Prerequisite: C- or better in BIO 20704. (On Demand)

**BIO 38402 Immunology** (2 sem. hrs.) This course is a study of basic immunologic mechanisms, immunologic techniques (principles and application of methods), and the clinical laboratory correlation of infectious, immune complex, auto immune, immunodeficient, and immunoproliferative diseases, organ and cell transplantation, hypersensitivity states, and tumor immunology. Two hours lecture. Prerequisite: C- or better in BIO 20704 and CHM 15505.

**BIO 38503 Environmental Toxicology** (3 sem. hrs.). This course is designed to provide an overview of environmental toxicology, including an examination of the major classes of pollutants, their fate in the environment, their disposition in organisms, and their mechanisms of toxicity. An emphasis will also be placed on the assessment of the toxicity of pollutants in biological and environmental systems and of contemporary problems on human health associated with environmental toxicants. Three-hour lecture. Prerequisites: C- or better in BIO 20704, CHM 15505. (Spring)

**BIO 40303 Evolution** (3 sem. hrs.). Evolution is the one unifying theory of modern biology. This course is designed to introduce the history of life on earth and the history of evolutionary theory, the mechanisms that influence change, and the evidences of these mechanisms. The course is meant to be a seminar/discussion course. Three-hour lecture. Prerequisite: C- or better in BIO 36404. (Spring)

**BIO 41303 Limnology** (3 sem. hrs.). A comprehensive study of inland waters. The course focuses on the physical, chemical, biological and morphological characteristics of lakes, streams, rivers, estuaries, and wetlands. Emphasis is placed on theory and concepts of limnology in lectures and practice the techniques of water sampling and data collection and analysis in laboratory field studies. Three-hour lecture, two-hour lab. Prerequisite: C- or better in BIO 20704 or Hocking College Associate Degree in Wildlife or Fish Sciences. (On Demand)

**BIO 42303 Human-Wildlife Conflicts** (3 sem. hrs.). Theory and practice of assessing and controlling damage done by wild and feral vertebrate animals, especially mammals and birds. Content covers the philosophical, biological, and practical basis for conducting vertebrate pest control. It includes basic information on use of traps, toxicants, repellents, exclusion and other wildlife control methods. Emphasis is on protecting agricultural crops and livestock, forest resources, and property. Two-hour lecture, two-hour lab. Prerequisites: C- or better in BIO 20704 and MTH 21404 or Hocking College Associate Degree in Wildlife or Fish Sciences. (Spring)

**BIO 43103 Applied Population Biology** (3 sem. hrs.). This course is a study of basic population processes using conceptual and quantitative approaches. The focus will be on ecological attributes and interactions that govern the structure and growth dynamics of populations across times and space. Fundamental aspects of mathematical modeling and ecological forecasting of populations will be examined with detailed discussion of the relevance to

wildlife conservation and management problems. Special emphasis will be placed on species with small, declining, and/ or harvestable populations. Two-hour lecture, two-hour lab. Prerequisite MTH 21404 or HC WLM 2251, C- or higher in BIO 20704 or similar course or Hocking College Associate Degree in Wildlife or Fish Sciences. (Spring)

**BIO 43404 Parasitology** (4 sem. hrs.). This course is a study of the parasites which infect man. Analyses of the morphology life cycles, staining characteristics, geographical habitats, and immunological characteristics will be carried out. Specimen source, collection, storage, transportation, and processing will be discussed. Relationship of parasitic findings to disease stages will be considered. Three-hour lecture, two-hour lab. Prerequisite: C- or better in BIO 34403. (Spring 2024)

**BIO 44403 Advanced Biochemistry** (3 sem. hrs.). This is an advanced course that covers the metabolic pathways involving biological macromolecules, including proteins, carbohydrates, lipids, and nucleic acids. Three-hour lecture. Prerequisites: C- or higher in BIO 20704. (Spring 2025)

**BIO 45303 Conservation Biology** (3 sem. hrs.). Conservation Biology is the scientific study of the phenomena that affect the maintenance, loss, and restoration of biological diversity. Topics covered include: 1) the role of ecology, biogeography, and genetics in maintaining species and ecosystem diversity, 2) the effects of human activities on the loss of natural habitats and biodiversity with consideration of strategies developed to combat these threats, 3) key economic and ethical tradeoffs required to sustain biodiversity, 4) key legislation and policies affecting conservation, 5) the role of nongovernmental organizations in conservation, and 6) the design and roles of nature preserves, zoos, and botanical gardens. Two-hour lecture, two-hour lab. Prerequisites: C- or better in BIO 20704 or Hocking College Associate Degree in Wildlife or Fish Sciences. (Spring 2021)

**BIO 48101-04 Senior Research I** (1-4 sem. hrs.). This course is the beginning of an independent research project, with faculty guidance, of a selected topic in Biology. Students will begin with a literature search. Students will then either 1) perform an inquiry-based research project that involves lab or field data collection or 2) perform an extensive literature research project. At the end of the semester, the progress of the research project will be reported in written format. The research project will be completed in Biology Senior Research II. Prerequisite: Senior standing with a major/minor in Biology, Chemistry, or Environmental Science. and sponsorship by an instructor. (Spring)

**BIO 48202-04 Senior Research II** (2-4 sem. hrs.) This course is the conclusion of an independent research project, with faculty guidance, of a selected topic in biology that was begun in Senior Research I. The results of the research project will be presented in the form of an oral or poster presentation, preferentially at a scientific meeting or RISE. Additionally, the findings from the literature review and research activities will be presented as a formal report in scientific journal format. Prerequisite: BIO 48101-04 and sponsorship by an instructor. (Spring)

**BIO 47103 GIS Applications for Resource Management** (3 sem. hrs.). This course is a study of how Geographical Information Systems (GIS) are used in the management and conservation of natural resources. Beginning with an overview of GIS software and basic functions, the course will then address fundamental applications of GIS, including habitat mapping, watershed analysis, species distribution modeling, disease risk mapping, and conservation area planning. The lab component will consist of conducting mini-projects using ArcGIS in each of the fundamental applications listed. Two hours lecture, two hours lab. Prerequisites: None. (On Demand)

**BIO 48801-03 Selected Topics in Biology** (1-3 sem. hrs.). This course is a study of topics not included in other course offerings. The format may be independent or directed studies, a research project, a scheduled class, or a seminar. Open to Biology majors or students in Wildlife Conservation. Prerequisites: Junior or senior standing, and permission of instructor and School Chair. (On Demand)

**BIO 49303 Pathophysiology for Healthcare Professionals** (3 sem. hrs.). This course examines the concepts of pathophysiology as they relate to health care. Students will explore common pathologies they would encounter in real world settings as health care professionals. Case studies will help show them how to use what they learn to deal with every day issues found in health care. Three-hour lecture. Prerequisite: C - or better in BIO 22404 or BIO 10204 or by permission of the instructor. (Fall)

**BIO 49901-03 Directed Studies in Biology** (1-3 sem. hrs.). This course is a study of a selected topic in Biology or Wildlife Conservation resulting in the writing of a research paper or similar project. Prerequisite: Permission of instructor and School Chair. (On Demand)

## BM - Business Management

**BM 10403 Introduction to Business.** (3 sem. hrs.) A general overall view of business activities, including management, marketing, finance, accounting, money, banking, credit, personal finance and investments, business ethics, social responsibility, human resource management, small business, and entrepreneurship. Lab fee required, (Fall, Spring)

**BM 20403 Principles of Management**. (3 sem. hrs.). This course is designed to prepare students for a dynamic profession in which managers plan, analyze, make decisions, evaluate results, solve problems, supervise, lead, train, and learn. Lab fee required. (Fall, Spring**)**

**BM 27403 Introduction to Business Law.** (3 sem. hrs.). A survey course presenting a broad view of the vast array of legal issues affecting daily life in the U.S. business environment. Areas of law covered will include: the court system, common law, statutory law, Constitutional law, torts, crimes, property ownership and control, consumer transactions, insurance and risk management, contract

principles, and employment law. Furthermore, the course analyzes in detail how the law applies to contracts, sales, and situations with special attention to the Uniform Commercial Code and its application. Also analyzed are collateral sales matters such as commercial paper and secured transactions. The second portion of this course includes an analysis of various business organizations such as corporations, partnerships, and independent contractors, the various aspects of management and liability, and special legal issues relating to these topics. Lab fee required. (Fall, Spring)

**BM 28801-03 Selected Topics in Business Management.** (1-3 sem. hrs.). Selected topics relevant to business management. Lab fee required. (On Demand)

**BM 28901 Business Portfolio**. (1 sem. hr.). Examines career opportunities and professional skills and personal attributes required for a successful career in Accounting, Business Administration, Economics, and Information Technology. Topics include resumes, cover letters, professionalism, researching companies, and interviews. Lab fee required. (Fall, Spring)

**BM 31403 Human Resource Management.** (3 sem. hrs.). The study of activities and problems involved in acquiring, maintaining, and developing the organization's human resources, including productivity, quality of work life, total quality management, basic legislation, equal employment opportunity, diversity, job analysis, human resource planning, recruiting, selection, training, performance management, compensation, and incentives. Prerequisites: BM 20403 and PSY 11103. (Fall, Spring)

**BM 32403 Organizational Behavior.** (3 sem. hrs.) This course examines theories and applications of organizational behavior topics at the individual, group, organizational, and international levels. Lecture, plus outside-class preparation by students for group projects, individual presentations, and class discussion. Prerequisite: BM 20403, PSY 11103. (Fall, Spring)

**BM 42403 Organizational Theory.** (3 sem. hrs.). This course examines basic concepts of organizational theory as it applies to: 1) an open system view of organizations, 2) organizational structure and design, 3) structural influences on organizational processes, 4) managing dynamic processes within the organization, and 5) integrating the total system. Lecture, plus outside-class preparation by the student for group projects, business article analysis, case analysis, and class discussion. Prerequisite: BM 20403. (Fall, Spring)

**BM 44403 International Business.** (3 sem. hrs.**).** The course deals with conducting business in a global economy; interdependence among nations, trade, and foreign investment; economic and political risks of operations in a foreign culture; feasibility of entering foreign markets; social responsibility; the role of Business in economic development, foreign aid, and third world debt; international organizations and communities; reducing trade barriers; international commodity prices; balance of payments accounts; establishing foreign exchange rates, fixed and floating rates, purchasing power parity, the euro; transaction and translation risks, international accounting; dealing with inflation, indexing, the real interest rate; small business exporting, channels, financing, the letter of credit; and the many unique environmental forces upon operations. Prerequisites: BM 20403, MKT 21403. (Fall, Spring)

**BM 24503/44503 Project Management.** (3 sem. hrs.). Examines the organization, planning, and controlling of projects and provides practical knowledge on managing project scope, schedule and resources. Topics include project life cycle, work breakdown structure and Gantt charts, network diagrams, scheduling techniques, budgeting and resource allocation decisions. Concepts are applied through projects with local businesses and written cases. (Fall, Spring)

**BM 46403 Operations Management.** (3 sem. hrs.). This course examines planning, organizing, leading, and controlling the production of goods and services. Topics include: organizational structures and environments, quality assurance, production systems, project management, inventory management, and computer and quantitative models used in formulating managerial problems. Prerequisite: BM 20403. (Fall, Spring)

**BM 47903 Strategic Management.** (3 sem. hrs.). An integrated capstone course in general management utilizing all major fields in business to allow the student to apply skills learned in these fields to situations dealing with the firm as a whole. Use of business cases and an online computer simulation competition to provide an integration of principles and techniques learned in Accounting, Economics, Finance, Marketing, and Management. Prerequisites: Senior standing and major in the School of Business, all required 200 and 300 level Business courses. Requires a minimum of 8 students be registered. (Spring)

**BM 49102 Internship/Experience in Business Management**. (2 sem. hrs.). On the job training of at least 100 meaningful hours or 12/13 full working days after approval of the major Professor, Faculty Internship Coordinator, School Chair, and an approved organization, which is expected to give the intern a variety of new and meaningful learning experiences directly related to Business Administration major and the concentration of interest. The intern is expected to grow, work hard, and make a professional contribution to the organization. (Fall, Spring)

## CHM - Chemistry

**CHM 10404 (TM) Principles of Chemistry** (4 sem. hrs.). A survey course with emphases on the aspects of general chemistry and the relevancy of chemistry in society. The laboratory work is intended to illustrate and supplement the practical considerations. This course is designed for non-science majors and does not fulfill any requirements for the BS or AS in Chemistry or the Minor in Chemistry. Three-hour lecture, three-hour lab. Course fee required. (Fall, Spring, Summer)

**CHM 15005 (TAG) General Chemistry I** (5 sem. hrs.). This is an intensive course in fundamental atomic and molecular structure, chemical bonding, stoichiometry, states of matter, classification of elements, thermochemistry, and gas laws. The laboratory

component is intended to build on topics covered in the corresponding lecture, to develop analytical and preparative skills, and to develop the ability to effectively collect, analyze and report data. Four-hour lecture, three-hour lab. Course fee required. (Fall)

**CHM 15505 (TAG) General Chemistry II** (5 sem. hrs.). This is an intensive course in intermolecular forces and phase changes, solutions, kinetics, chemical equilibrium, thermodynamics and electrochemistry. The laboratory component is intended to build on topics covered in the corresponding lecture, to develop analytical and preparative skills, and to develop the ability to effectively collect, analyze and report data. Four-hour lecture, three-hour lab. Course fee required. Prerequisite: CHM 15005. (Spring)

**CHM 26202 (TAG) Organic Chemistry Laboratory I** (2 sem. hrs.). Using a microscale approach, basic laboratory techniques and principles (including filtration, extraction, crystallization, distillation, chromatography, fractional distillation, and polarimetry) are introduced via the synthesis, isolation, and analysis of organic compounds. Laboratory safety techniques and principles are discussed along with chemical hazards. Data collection and interpretation, keeping a lab notebook, and writing formal lab reports are also stressed. Six-hour lab. Course fee required. Prerequisite: CHM 15505. To be taken concurrently with CHM 26303. (Fall)

**CHM 26303 (TAG) Organic Chemistry Theory I** (3 sem. hrs.). Topics include: a review of chemical bonding and acid-base chemistry and their applications to organic compounds; organic functional groups and infrared spectroscopy; the reactions and properties of alkanes, alkenes, alkynes, alkyl halides, alcohols, and ethers; stereochemistry; NMR spectroscopy; properties and mechanisms of substitution, elimination, addition, radical, and oxidation-reduction reactions. Three-hour lecture. Prerequisite: CHM 15505. (Fall)

**CHM 27202 (TAG) Organic Chemistry Laboratory II** (2 sem. hrs.). Using a microscale approach, more advanced techniques of synthesis, separation, and analysis are introduced, including refractometry, gas chromatography, and spectroscopy. Data collection and interpretation, keeping a lab notebook, and writing formal lab reports are also stressed. The literature of organic chemistry is also introduced via a literature search project, which utilizes library and computer resources. Unknown organic compounds are assigned and the student is responsible – by observing physical properties, performing qualitative tests, making derivatives, and interpreting spectra – for determining the identity of these compounds. In addition, a multi-step synthesis is performed and the products are analyzed. Six-hour lab. Course fee required. Prerequisites: CHM 26202 and CHM 26303. To be taken concurrently with CHM 27303. (Spring)

**CHM 27303 (TAG) Organic Chemistry Theory II** (3 sem. hrs.). Topics include: the reactions and properties of conjugated unsaturated compounds and aromatic compounds; the derivatives of benzene; aldehydes and ketones; and carboxylic acids and their derivatives - dicarbon compounds, amines, phenols, and aryl halides. In addition, the properties and mechanisms of electrophilic aromatic substitutions, and nucleophilic additions and substitutions involving carbonyl and acyl compounds are discussed. Three-hour lecture. Prerequisites: CHM 26202 and CHM 26303. (Spring)

**CHM 33105 Analytical Chemistry** (5 sem. hrs.). This is a survey course addressing fundamental principles of chemical analysis. Topics include the analytical process, concentration units and conversions, experimental error, statistical treatment of data, calibration methods, and an overview of spectroscopic and chromatographic instrumental methods. The laboratory component emphasizes the statistical treatment of data generated through titrimetric, gravimetric, and instrumental methods. Four-hour lecture, three-hour lab. Prerequisites: CHM 27202 and CHM 27303. (Spring Odd)

**CHM 40203 Introduction to Physical Chemistry** (3 sem. hrs.) A one-semester course dealing with subjects in physical chemistry that apply to biochemistry. Topics include: the properties of gases, the laws of thermodynamics, physical and chemical changes, chemical kinetics and molecular interactions. Three hours lecture. Prerequisites: CHM 27303, MTH 15204, PHY 18505. (Fall Even)

**CHM 48801-03 Selected Topics in Chemistry** (1 - 3 sem. hrs.). A study of topics not included in other course offerings. The field of study will be selected by faculty in areas with the student's participation. Prerequisite: Permission of the instructor. (On Demand)

**CHM 49901-05 Directed Studies in Chemistry** (1 - 5 sem. hrs.). This course is a study of a selected topic in chemistry, resulting in the writing of a research paper or similar project. Prerequisite: Junior or Senior standing, sponsorship by an instructor, and approval of the School Chair. (On Demand)

## COM - Communication

**COM 10103 Introduction to Communication** (3 sem. hrs.) This course introduces students to the various forms of communication. It provides an overview of the basic concepts of communication and the communicative skills needed to navigate various contexts. Emphasis will be placed on communication theories, processes and techniques used in interpersonal, intercultural, group, organizational, health, and mediated communication. The course will help students answer several about the field of communication studies, such as: What is communication? How does it occur? Where does it occur? Why does it matter? How do we study it? In answering these questions, the course introduces students to major issues in the field of communication, and to the main areas of focus in this program. (Fall)

**COM 11103 Fundamentals of Speech Communication (TAG)** (3 sem. hrs.) A study of persuasive and informative discourse, and an introduction to modes of communication primarily focusing on intrapersonal and interpersonal communication with experience in

public speaking. (Fall, Spring, Summer)

**COM 11203 Interpersonal Communication** (3 sem. hrs.) Interpersonal Communication provides an introduction to communication between individuals. Course content focuses on the application of theory and research to interpersonal communication. Content also focuses on how you can apply the concepts learned in this class to life experiences. Theories of self-concept, self-disclosure, nonverbal communication, listening and conflict are among those discussed and applied to romantic, social, family and professional relationships. (Spring)

**COM 20103 Intercultural Communication** (3 sem. hrs.) Through this course, students will better understand how to communicate with people who are different from them. We live in a global environment where individuals from diverse cultures interact face-to-face and online. Taking a communicative lens, we will address how cultural indicators manifest through communication and how cultures use communication in different ways. This course provides an opportunity to enhance students' intercultural experience, promote cultural understanding, and examine the various trends that shape our experiences in an increasingly diverse global community. (Fall)

**COM 21103 Oral Interpretation** (3 sem. hrs.) This highly experiential course introduces the skills of literary analysis for the purpose of oral interpretive performance. Of equal importance, the course will endeavor to balance written analytic skills with vocal development and practical performance techniques. Students will explore analysis and performance aspects of prose, poetry, and dramatic literature. (Spring)

**COM 22203 Small Group Communication** (3 sem. hrs.) The study of small group communication, cooperative thinking, recognition, definition of problems, critical analysis, examination of possible solutions, and leadership and participation. (Fall or Spring)

**COM 22303 Interviewing** (3 sem. hrs.) The complex nature of the interview situation demands a high level of personal and professional skill, if we are to reach our goals for the interview. In this course we will examine a variety of interview types. We will examine theories and concepts related to interview processes and apply skills through class activities and assignments. Students will develop skills in structuring interviews, initiating and maintaining communication, questioning, responding, opening and closing interviews, and listening effectively. Students will also develop their writing and presentation skills as they write and present interview stories. (Spring)

**COM 25203 Introduction to Mass Communication** (3 sem. hrs.) This course examines the structure, function, and social impact of the major forms of mass media in the United States. The course will give students an understanding of the role of the media in society and provide them with a foundation for becoming critical media users and practitioners. In this class, we will 1) study the historical development, economic structure, and social context of media and 2) explore the ways media contribute to the structure, maintenance, and relationships of power in contemporary society. This course offers an overview of American media industries from economic and cultural-critical perspectives. (Fall)

**COM 29901-03 Directed Studies in Communication** (1-3 sem. hrs.) Independent study and/or research under the supervision of an instructor in Communication or Journalism. May include directed research and readings, formal in-depth study of a topic that is of special interest to the student, individual projects, special educational experiences, or a practicum in which theories and their practical applications are brought together in a single educational experience. Course fee required. (On Demand)

**COM 30103 Communication Theory** (3 sem. hrs.) Theories help us make of the world by shaping out ideas about our circumstances, relationships and decisions. This course will expose you to communication theories, which will equip you with the tools needed to make sense of communicative experiences. We will also examine the foundation of theoretical inquiry (including the nature and development of theory), selected approaches to theorizing, applications of theory, and ethical implications of theory in a various communication contexts. (Spring)

**COM 30403 Qualitative Research** (3 sem. hrs.) This course is designed to provide students with the knowledge and skills necessary to critically evaluate qualitative research and to perform qualitative research in academic or organizational contexts. Students will explore a variety of qualitative research approaches, paying special attention to issues of epistemology (ways of knowing), methodology (ways of examining) and representation (ways of conveying research findings). Students will carry out their own research project, engaging in field research. Through this project, students will have the opportunity to experience and understand the phases of qualitative research such as: planning, negotiating access, observing, interviewing, creating field texts, analyzing field texts and writing. The goal is that students will emerge from the class with first-hand qualitative research experience that facilitates an in-depth understanding of qualitative research methods. (Fall)

**COM 33103 Health Communication** (3 sem. hrs.) A study of the communication demands and skills relevant to the student's future role as a professional health practitioner. The focus is on oral skills with practical experience in public presentations. (Spring)

**COM 37703 Communication Seminar I** (3 sem. hrs.) Topics vary; general areas: critical/cultural examination of Internet issues, media technological determinism developments and social constructivism, criticism of the rhetoric of various social movements, intensive studies on rhetorical theory, gender studies, advanced interpretation in cross-disciplinary studies, and philosophies of communication and journalism. (Fall, Spring)

**COM 40103 Social Media Strategies** (3 sem. hrs.) This course is designed to help students understand why, when and how to utilize social media to build relationships and create conversations with key stakeholders and target audiences. The course will build on students' knowledge of social media by examining the relevance of these tools in strategic communication. Students will also

explore relevant communication theories and concepts. (Fall)

**COM 42103 Communication Law** (3 sem. hrs.) Ethical and legal aspects of the First Amendment including responsibility, libel, copyright, regulatory agencies, state and federal laws, and ethical considerations and practices. (Spring)

**COM 43203 Organizational Communication** (3 sem. hrs.) Overview of organizational communication and business and professional communication. Focus on different perspectives that influence the study of organizational communication, such as types of management, symbolism, culture, and power and politics. Levels examined include person, dyad, group, and collectives. (Fall)

**COM 46103 Communication Seminar II** (3 sem. hrs.) Topics vary; general areas: critical/cultural examination of Internet issues, media technological determinism developments and social constructivism, criticism of the rhetoric of various social movements, intensive studies on rhetorical theory, gender studies advanced interpretation in cross-disciplinary studies, and philosophies of communication and journalism. (Fall, Spring)

**COM 48801-03 Selected Topics in Speech Communication** (1-3 sem. hrs.) Topics to be announced in the schedule. Prerequisite: Six (6) credit hours in Speech Communication or permission of the instructor. (On Demand)

**COM 49103 Communication Capstones** (3 sem. hrs.) The major objective of the course is to integrate the student's college course work through developing a paper or project. The course also has a secondary objective of evaluating, for the purposes of a departmental assessment of student outcomes, the student's written and oral communication skills and the students' knowledge of the subject matter, theories, and methods of the communication discipline. (Spring)

**COM 49901-03 Directed Studies in Communication** (1-3 sem. hrs.) Independent study and/or research under the supervision of an instructor in Communication. May include research and readings, formal in-depth study of a topic of special interest of the student, individual projects, special educational experiences, or a practicum in which theories and their practical applications are brought together in a single educational experience. (On Demand)

## CS - Computer Science

**CS 20103 Computer Programming I** (3 sem. hrs.) This course introduces fundamental concepts of programming and problem solving from an object-oriented perspective. Topics include algorithm design, simple data types, control structures, classes, arrays, and strings. The course emphasizes good programming designs and styles, coding, and debugging techniques. A programming language that supports object-oriented paradigm will be used. Course fee required. Prerequisite: MTH 11403 Intermediate Algebra or instructor permission. (Fall)

**CS 20104 Computer Programming I** (4 sem. hrs.). This course introduces fundamental concepts of programming and problem solving from an object-oriented perspective. Topics include algorithm design, simple data types, control structures, classes, arrays, and strings. The course emphasizes good programming designs and styles, coding, and debugging techniques. A programming language that supports object- oriented paradigm will be used. Three-hour lecture, two-hour lab. Course fee required. Prerequisite: MTH 11403 Intermediate Algebra. (Fall)

**CS 20203 Computer Programming II** (3 sem. hrs.) This course is a continuation of CS 20103 Computer Programming I. Topics include object-oriented programming with emphasis on program design and style, classes, recursion, searching and sorting, simple data structures, and graphical user interfaces. Course fee required. Prerequisite: CS 20103. Spring

**CS 20204 Computer Programming II** (4 sem. hrs.). This course is a continuation of CS 20104 Computer Programming I. Topics include object-oriented programming with emphasis on program design and style, classes, recursion, searching and sorting, simple data structures, and graphical user interfaces. Three-hour lecture, two-hour lab. Course fee required. Prerequisite: CS 20103. Spring

**CS 21503 Introduction to Database Systems**. (3 sem. hrs.). This course is an introduction to the concepts of database processing and MIS. Topics include: discussions of major database types, specifically relational databases, discussion of the history of databases and database issues, Database Management Systems (DBMS), SQL queries, updates, data entry, generating reports and forms, and file organization. Course fee required. Prerequisite: CS 20103. (Fall)

**CS 22103/32103 Data Structures** (3 sem. hrs.) This course, built in collaboration with Google, will teach you how to understand and use data structures. Data structures are used by almost every program and application to store, access and modify the vast quantities of data that are needed by modern software. By the end of this course you'll learn what data structures are and learn how to use them in the applications you build. Prerequisites: CS 20103 and CS 20203

**CS 22003 Data Structures** (3 sem. hrs.). This course builds on the concepts introduced in CS 20103 and CS 20203 Computer Programming I & II with emphasis on algorithms design and analysis, object-oriented design, data structures, and software engineering. Data structure topics include stacks, queues, hashing, linked lists, trees, and graphs. Three-hour lecture. Prerequisites: CS 20203 and MTH 14505. (Fall)

**CS 24303/44303 Software Design and Development** (3 sem. hrs.). This course will introduce a software design, development, and improvement model that can help to perfect professional quality software engineering practices. Topics covered include: introduction to principles and issues concerned with specification, design, implementation, and testing of high-quality software; understanding of software life-cycle models; use of development tools, principles, and environments which facilitate ultimate

development of large/ commercial grade software systems. Computer projects to partially develop some medium scale software will be assigned to translate software development methodologies and concepts into a functional product. Prerequisites: CS 22003 or permission from the instructor. Dual-listed as CS 44303. (Spring)

**CS 28801-03 Selected Topics in Computer Science** (1-3 sem. hrs.). A study of topics not included in regular course offerings. The format may be independent or directed studies or a scheduled class. Prerequisite: Permission of instructor and School Chair. Course fee required. (On Demand)

**CS 29101-03 Internship** (1-3 sem. hrs.). This course provides a student with experience in one of a variety of computer lab settings, including a lab at the University or at a local industry or business site. Prerequisite: Advanced standing in the Programming and Software Development program. (On Demand)

**CS 31103 Application Development I** (3 sem. hrs.) Modern development relies on frameworks which provide developers with powerful tools to speed up development. If you want to build apps, you need to understand how to use frameworks. This course, which has been built in collaboration with Google, will introduce you to Django - a framework used for data-driven web applications. You'll learn the fundamentals of Django, improve your database management skills, and begin developing your own apps. Prerequisites: CS 20103 and CS 20203

**CS 31203 Application Development II** (3 sem. hrs.) This course - built in collaboration with Google - is the second part of the application development series. In this course, you will put your skills into practice and build your own application. By the end of this course, you'll have a greater understanding of the technologies that power modern apps and be able to build your own. Prerequisites: CS 31103 and IT 20403

**CS 31503 Programming Languages** (3 sem. hrs.**).** This course covers BNF description and regular expressions of programming languages, significant features of existing procedural, imperative, declarative, functional, and object-oriented programming languages. Structure and comparison of languages for numeric and nonnumeric computation are also covered. Languages studied typically include: C, C++, LISP, Pascal, Prolog, SmallTalk, etc. Three-hour lecture. Prerequisites: CS 22003. (Spring)

**CS 32003 Operating Systems** (3 sem. hrs.). This course covers I/O and interrupt structures, system structure, memory management, instruction sets, and microprogramming. Prerequisites: CS 22003. (Fall)

**CS 32203 Introduction to C** (3 sem. hrs.) In order to become a successful developer, you need to understand how computers interpret code. This course, which was built in collaboration with Google, will introduce you to C - the fundamental language used to write many high-level languages, including Python. By the end of this course, you will have a better understanding of how computers turn your code into ones and zeroes, and be able to use that understanding to build more efficient programs. Prerequisites: CS 20103, CS 20203, and MTH 21404

**CS 32303 Inside of a Microprocessor** (3 sem. hrs.) This course is intended as an introduction to computer hardware and builds upon Introduction to C. It covers the techniques used to design and build microprocessors, memory, and other elements of modern-day hardware. Students will learn the fundamentals of machine language (binary) and assembly language as well as what happens inside of a computer on a fundamental level. Students will also have the opportunity to analyze the C compiler and learn how it produces the necessary strings of ones and zeros that will run on the hardware. Prerequisites: CS 20103, CS 20203, MTH 21404, and CS 32203

**CS 33003 Cloud Computing** (3 sem. hrs.). Cloud computing business model, technologies, and applications. The course includes advanced topics in the deployment of cloud computing and hands-on labs with cloud services, such as Azure, AWS, and BlueMix. Prerequisite: CS 22003. (On Demand)

**CS 33403 Web Programming & Development** (3 sem. hrs.). This course introduces web programming and development. Programming techniques in several web-programming languages will be introduced. The client/server concept is emphasized. Writing applications that connect to a database management system will also be covered. Topics in this class include: MS SQL, HTML, XHTML, and XML, JavaScript, Java applets, PHP/, MySQL, AJAX techniques. Prerequisite: CS 20203. (Spring)

**CS 34103 Computer Algorithms** (3 sem. hrs.). This course focuses on algorithm design, complexity analysis, and optimization. Students learn how to analyze algorithm performance mathematically in addition they learn a large variety of algorithms. In this course, students study algorithms with a variety of design strategies including iterative, divide-and-conquer, dynamic programming, and greedy algorithms Prerequisites: CS 22003.

**CS 35103 Theory of Computation** (3 sem. hrs.). This course introduces students to the concepts of languages, automata, computability theory, and complexity theory. Topics covered include regular languages, context-free languages, Turing machines, and parsing. Prerequisites: CS 22003 and MTH 25403. (On Demand)

**CS 41103 Computer Architecture** (3 sem. hrs.). This course is an exploration of various modules of the computer architecture and how they interact. In particular, this course covers logic circuits and Boolean algebra, microprocessors, memory organization, and internal representation of data. Assembly language programming will also be introduced and used for programming projects. Three-hour lecture. Prerequisite: CS 20203. (On Demand)

**CS 41503 Advanced Database** (3 sem. hrs.). This course provides a detailed understanding of physical and logical organization of database (specifically relational), and includes programming assignments that require the design of data base programs in a high level and/or fourth generation language. Topics include: relational algebra, complex queries, database design issues, database

components and implementation, SQL database security and recovery, concurrent processing, physical and logical implementation of files and records. Students must have advanced knowledge of a structured programming language, such as C or C++. Prerequisites: CS 21503 and CS20204. (On Demand)

**CS 42103 Algorithms** (3 sem. hrs.) This course explores algorithms from a coding-focused perspective, using Python. Students will learn about the issues that arise in the design of algorithms for solving computational problems and will explore a number of standard algorithm design paradigms and their applicability. Students will also become familiar with concepts of runtime, recursion, implementation and evaluation. This course features a heavy emphasis on practical application of algorithms to common development and engineering challenges. Prerequisites: CS 20103, CS 20203, CS 22103/32103, and MTH 21404

**CS 42203 Product Development** (3 sem. hrs.) Creating software products is more than just writing code, it also requires an analysis of what your customers want, and how to meet their needs. As a result, understanding product development is key to a successful career in technology. By the end of this course (built in collaboration with Google), you will understand how product teams and processes work, and learn how to develop an idea into an actual product that delights your users. Prerequisites: Sophomore status or highter

**CS 42503 Mobile Application Development** (3 sem. hrs.). This course provides an introduction to mobile computing and mobile application development. The course introduces mobile application frameworks such as iOS and Android framework and their perspective development environments. User interface design will be covered. The course will also discuss design patterns for mobile computing such as Model-View-Controller. Students will develop complete mobile applications. Prerequisites: CS 22003. (On Demand)

**CS 43503 Network Security Programming** (3 sem. hrs.). This course teaches network security concepts through programming. The course gives students an opportunity to write code to both attack and defend against cyber-attacks. Students will learn secure coding techniques that prevent common exploits on a web server. Cryptography's limitations will be explored through programming exercises to encrypt and decrypt messages. Additionally, the course will touch upon ethical considerations such as privacy and white-hat security. Prerequisites: CS 22003. (On Demand)

**CS 24303/44303 Software Design and Development** (3 sem. hrs.). This course will introduce a software design, development, and improvement model that can help to perfect professional quality software engineering practices. Topics covered include: introduction to principles and issues concerned with specification, design, implementation, and testing of high quality software; understanding of software life-cycle models; use of development tools, principles, and environments which facilitate ultimate development of large/commercial grade software systems. Computer projects to partially develop some medium scale software will be assigned to translate software development methodologies and concepts into a functional product. Prerequisites: CS 20103 or permission from the instructor. Dual Listed as CS 24303. (Spring)

**CS 44503 Big Data Systems** (3 sem. hrs.). The course will focus on data mining and machine learning algorithms for analyzing very large amounts of data. Map Reduce and No SQL system will be used as tools/standards for creating parallel algorithms that can process very large amounts of data. Storage, retrieval, analysis, and knowledge discovery using Big Data has made significant inroads in several domains in industry, research, and academia. In this course, we will look at the dominant software systems and algorithms for coping with Big Data. Topics covered include scalable computing models large-scale, non-traditional data storage frameworks including graph, key-value, and column-family storage systems; data stream analysis; scalable prediction models and in-memory storage systems. Prerequisite: CS 22003. (On Demand)

**CS 46403 Advanced Communication and Networking** (3 sem. hrs.). This course provides a thorough discussion of digital communication and networking. Topics include: the uses of computer networks and their goals, network structures and design, network layers, topologies, standardization, and Internetworking and design issues. Three-hour lecture. Prerequisites: CS 22003. (On Demand)

**CS 47103 Capstone Project** (3 sem. hrs.) This course is intended as a culmination of all of a student's work in their Computer Science major. Students will work in groups to launch a web app prototype that meets the following requirements:

A. Uses Database concepts from the Computer Science Core, Data Structures, and Algorithms.

B. Meets faculty approval.

Student will pitch their product, select the necessary technologies, work in groups to build an application, and create a webpage from which the application can be accessed. Students will be evaluated based on whether their product meets the goals they initially established, and on their internal project management processes. Prerequisites: CS 20103, CS 20203, MTH 21404, CS 32103, CS 32203, CS 42103, may be taken concurrent with CS 42203

**CS 48801-03 Selected Topics in Computer Science** (1-3 sem. hrs.). A study of topics not included in regular course offerings. The format may be independent or directed studies or a scheduled class. Prerequisite: Permission of instructor and School Chair. (On Demand)

**CS 49101-04 Senior Project** (1-4 sem. hrs.). This course provides students with real life situations in processing and problem solving in the field of computer science. This course can consist of various projects or internships, utilizing AI, Graphics, OOP, C, UNIX, etc. Prerequisite: Permission of instructor and School Chair. (On Demand)

## DMS - Diagnostic Medical Sonography

**DMS 20103 Principles of Cardiovascular Sonography** (3 sem. hrs.). An introduction to the profession of Diagnostic Medical Sonography as well as to the clinical setting that is a large portion of the curriculum during subsequent terms. Topics such as the history of ultrasound, scope of practice, Professional Code of Ethics, acoustic terminology, physician and patient interaction, and equipment operation will be discussed. Students will also learn basic EKG including interpretation of lethal heart rhythms and the course of action if a patient presents with one. Students will also learn how the heart rhythm affects acquisition of sonographic images. Prerequisite: acceptance into the DMS program. One-hour lecture, six (6) lab hours. Course fee required. (Spring)

**DMS 20503 Principles of General Sonography** (3 sem. hrs.). An introduction to the profession of Diagnostic Medical Sonography as well as to the clinical setting that is a large portion of the curriculum during subsequent terms. Topics such as the history of ultrasound, scope of practice, Professional Code of Ethics, acoustic terminology, physician and patient interaction, and equipment operation will be discussed. In the clinical setting, students will function under close supervision of qualified sonographers. Prerequisite: acceptance into the DMS program. One-hour lecture, six (6) lab hours. Course fee required. (Spring)

**DMS 21003 Physics and Instrumentation I** (3 sem. hrs.). The first course in sonographic physics and instrumentation covering basic principles of medical sonography. Acoustic variables, the interaction of sound with tissue, transducers, and instrumentation of machine controls will be discussed. Prerequisite: acceptance into the DMS program. Three-hour lecture. Course fee required. (Fall)

**DMS 21103 Abdominal Sonography I** (3 sem. hrs.). The study and the uses of diagnostic medical sonography and its application in the diagnosis of diseases of the abdomen. General principles of medical sonography scanning procedures and ultrasonic characteristics of the various abdominal organs and pathology will be covered. Prerequisite: acceptance into the DMS program. Three-hour lecture. (Spring)

**DMS 21203 Gynecological Sonography I** (3 sem. hrs.). The study and the uses of transabdominal and transvaginal medical sonography and its application in the diagnosis of diseases of the female pelvis. The sonographic appearance of the female reproductive organs, surrounding anatomy, the first trimester of pregnancy, and all gynecological pathology will be covered. Prerequisite: acceptance into the General DMS program. Three-hour lecture. (Spring)

**DMS 21301 Seminar I** (1 sem. hr.). The first course in a seminar series on professional development, clinical correlation, student presentations, current issues, and other miscellaneous topics in sonography. Case study presentations will be an integral part of this course. Guest speakers will be utilized on an occasional basis to enhance presentations. Prerequisite: acceptance into the DMS program. One-hour lecture. (Fall)

**DMS 21504 General Sonography Practicum I** (4 sem. hrs.) The initial scanning experience in the General DMS program. In the clinical setting, students will apply learned concepts and techniques related to sonographic imaging. Students will function under close supervision of qualified sonographers. Prerequisite: acceptance into the DMS program. Thirty-two (32) clinical hours. Course fee required. (Summer)

**DMS 22003 Physics and Instrumentation II** (3 sem. hrs.). A continuation of Physics and Instrumentation I. Doppler ultrasound principles and hemodynamics will be discussed. Students will also learn about artifacts, quality assurance, and bioeffects related to sonography. Course fee required. Prerequisite: DMS 21003. Three-hour lecture. Course fee required. (Spring)

**DMS 22103 Abdominal Sonography II** (3 sem. hrs.). A continuation of Abdominal Sonography I. All abdominal organs not included in Abdominal Sonography I will be covered. This course will also include superficial organs such as thyroid and male reproductive organs. Prerequisite: DMS 21103. Three-hour lecture. (Fall)

**DMS 22203 Obstetrical Sonography** (3 sem. hrs.**).** An extensive study of the anatomy, physiology, pathology, and sonographic appearance of the developing fetus. Clinical presentation and maternal complications associated with pregnancy are also covered. Prerequisite: DMS 22103. Three-hour lecture. (Fall)

**DMS 22301 Seminar II** (1 sem. hr.) The second course in a seminar series on professional development, clinical correlation, student presentations, current issues, and other miscellaneous topics in sonography. Case study presentations will be an integral part of this course. Guest speakers will be utilized on an occasional basis to enhance the presentations. Prerequisite: DMS 21301. One-hour lecture. (Spring)

**DMS 22503 General Sonography Practicum II** (3 sem. hrs.). A more advanced scanning experience in the DMS program. In the clinical setting, students will improve upon previously learned skills and techniques related to sonographic imaging. Student will function under close supervision of qualified sonographers. Prerequisite: DMS 21504. Twenty-four (24) clinical hours. Course fee required. (Fall)

**DMS 23301 Cardiovascular Seminar I** (1 sem. hrs.) The first course in a seminar series on professional development, clinical correlation, student presentations, current issues, and other miscellaneous topics in cardiovascular sonography. Case-study presentations will be an integral part of this course. Guest speakers will be utilized on an occasional basis to enhance the presentations. Prerequisite: acceptance into the Cardiovascular DMS program. One-hour lecture. (Fall)

**DMS 23503 General Sonography Practicum III** (3 sem. hrs.) The final scanning experience in the general DMS program. In the clinical setting, students will be challenged to function independently with supervision of qualified sonographers.

Prerequisite: DMS 22503. Twenty-four (24) clinical hours. Course fee required. (Spring)

**DMS 23601 Registry Review** (1 sem. hrs.). A review course to prepare for the American Registry for Diagnostic Medical Sonographers (ARDMS). A comprehensive review with multiple practice examinations covering physics and instrumentation, abdominal and small parts sonography, and ob/gyn sonography will be offered. Prerequisite: satisfactory progress in the DMS program. Course fee required. (Spring)

**DMS 23701 Breast Sonography** (1 sem. hr.). The study and uses of diagnostic medical sonography and its application in the diagnosis of disease of the breast. This course will include an in-depth study of breast anatomy as well as the ultrasonic characteristics of normal tissue versus pathological processes. The sonographer's role during ultrasound-guided invasive procedures will be discussed and case studies will be presented. Prerequisite: DMS 22103. One-hour lecture. (Spring)

**DMS 24003 Echocardiography I** (3 sem. hrs.). The study and uses of diagnostic medical sonography and its application as it relates specifically to the heart. EKG interpretation, Holter monitor set-up, cardiac catherization, and cardiac stress testing will be discussed. Two-dimensional imaging, M-mode, Doppler testing, and Transesophageal Echocardiography in the detection of valvular and ischemic heart disease will also be studied. Contrast studies will be introduced. Prerequisite: acceptance into the Cardiovascular DMS program. Three-hour lecture. (Spring)

**DMS 24301 Cardiovascular Seminar II** (1 sem. hr.). The second in a seminar series on professional development, clinical correlation, student presentations, current issues and other miscellaneous topics in cardiovascular sonography. Case study presentations will be an integral part of this course. Guest speakers will be utilized on an occasional basis to enhance the presentations. Prerequisite: DMS 23301. One-hour lecture. (Spring)

**DMS 24504 Cardiovascular Practicum I** (4 sem. hrs.). The initial scanning experience in the DMS Cardiovascular concentration. In the clinical setting, students will apply learned concepts and techniques related to sonographic imaging. Students will function under close supervision of qualified sonographers. Prerequisite: acceptance into the Cardiovascular DMS program. Thirty-two (32) clinical hours. Course fee required. (Summer)

**DMS 24601 Cardiovascular Registry Review** (1 sem. hr.) A review course to prepare for the American Registry for Diagnostic Medical Sonography (ARDMS). A comprehensive review with multiple practice examinations covering cardiac and vascular physics and instrumentation, echocardiography, and vascular sonography will be offered. Prerequisite: satisfactory progression in the Cardiovascular DMS program. One-hour lecture. (Spring)

**DMS 25003 Echocardiography II** (3 sem. hrs.) A continuation of Echocardiography I. Physiology and pathology not covered in Echocardiography I will be presented in this course including pericardial disease processes, prosthetic heart valves, and cardiac tumors. More scanning procedures and ultrasonic characteristics of the heart will be covered as well. Prerequisite: DMS 24003.Three-hour lecture. (Fall)

**DMS 25503 Cardiovascular Sonography Practicum II** (3 sem. hrs.). A more advanced scanning experience in the DMS cardiovascular program. In the clinical setting, students will improve upon previously learned skills and techniques related to sonographic imaging. Students will function under close supervision of qualified sonographers. Prerequisite: DMS 24504. Twenty- four (24) clinical hours. Course fee required. (Fall)

**DMS 26001 Pediatric Echocardiography** (1 sem. hrs.) The study and uses of diagnostic medical sonography and its application as it relates specifically to the embryonic, fetal, and pediatric heart. Two-dimensional imaging, M-mode, Doppler testing, and Transesophageal Echocardiography in the detection of valvular and ischemic heart disease of the pediatric patient will also be studied. The various types of corrective surgeries for congenital heart disease will also be covered. Prerequisite: DMS 25004. One-hour lecture. (Spring)

**DMS 26503 Cardiovascular Practicum III** (3 sem. hrs.) The final scanning experience in the DMS cardiovascular program. In the clinical setting, students will be challenged to function independently with supervision of qualified sonographers. Prerequisite: DMS 25503. Twenty-four (24) clinical hours. Course fee required. (Spring)

**DMS 28003 Vascular Sonography I** (3 sem. hrs.) The first in a two-part series in studying the use of diagnostic medical sonography as it relates to the vascular system. Protocols for performing Vascular Ultrasound and noninvasive testing examinations will be covered, as well as indications, history, and physical examinations. This course will also cover anatomy of the vascular system, vascular pathology, differential diagnosis, and information regarding fluid hemodynamics. Prerequisite: acceptance into the Cardiovascular DMS program. Three-hour lecture. (Spring)

**DMS 28801-03 Selected Topics in Diagnostic Medical Sonography.** (1-3 sem. hrs.**)** This course is a study of DMS topics not included in other course offerings. The format for this course may be special projects, readings, a scheduled class, or a seminar. Prerequisite: Acceptance into the DMS program. (On Demand)

**DMS 29003 Vascular Sonography II** (3 sem. hrs.) The second part of a two-part series in studying the use of diagnostic medical sonography as it relates to the vascular system with particular attention to the venous system. Duplex, pulsed and continuous wave Doppler velocimetry of peripheral and intra-extra-cranial systems will be studied along with plethysmography testing. This course will discuss more physiology and pathology of the vascular system not covered in Vascular Sonography I. More scanning procedures and ultrasonic characteristics of the vascular system will be covered. Prerequisite: DMS 28004. Three-hour lecture. (Fall)

**DMS 29901-03 Directed Studies in Diagnostic Medical Sonography** (1-3 sem. hrs.). Independent study and/or research under the supervision of an instructor in diagnostic medical sonography. May include directed research and readings, formal in-depth study of a topic of special interest to the student, individual projects, special educational experiences, or a practicum in which theories and their practical applications are brought together in a single educational experience. Prerequisites: Sophomore standing, the completion of at least one semester of DMS courses, and permission of the instructor and program director. Course fee may be required. (On Demand)

**DMS 33301 Cardiovascular Seminar I** (1 sem. hr.). The first course in a seminar series on professional development, clinical correlation, student presentations, current issues, and other miscellaneous topics in cardiovascular sonography. Case study presentations will be an integral part of this course. Guest speakers will be utilized on an occasional basis to enhance the presentations. Prerequisite: completion of the General DMS AAS program or equivalent. One-hour lecture. (Fall)

**DMS 34003 Echocardiography I** (3 sem. hrs.) The study and uses of diagnostic medical sonography and its application as it relates specifically to the heart. EKG interpretation, Holter monitor set-up, cardiac catherization, and cardiac stress testing will be discussed. Two-dimensional imaging, M-mode, Doppler testing, and Transesophageal Echocardiography in the detection of valvular and ischemic heart disease will also be studied. Contrast studies will be introduced. Prerequisite: completion of the General DMS AAS program or equivalent. Three-hour lecture. (Spring)

**DMS 34301 Cardiovascular Seminar II** (1 sem. hrs.) The second in a seminar series on professional development, clinical correlation, student presentations, current issues and other miscellaneous topics in cardiovascular sonography. Case study presentations will be an integral part of this course. Guest speakers will be utilized on an occasional basis to enhance the presentations. Prerequisite: DMS 33301. One-hour lecture. (Spring)

**DMS 34504 Cardiovascular Practicum I** (4 sem. hrs.). The initial scanning experience in the DMS Cardiovascular concentration. In the clinical setting, students will apply learned concepts and techniques related to sonographic imaging. Students will function under close supervision of qualified sonographers. Prerequisite: completion of the General DMS AAS program or equivalent. Thirty-two (32) clinical hours. (Summer)

**DMS 34601 Cardiovascular Registry Review** (1 sem. hr.) A review course to prepare for the American Registry for Diagnostic Medical Sonography (ARDMS). A comprehensive review with multiple practice examinations covering cardiac and vascular physics and instrumentation, echocardiography, and vascular sonography will be offered. Prerequisite: satisfactory progression in the Cardiovascular DMS program. One-hour lecture. (Spring)

**DMS 35003 Echocardiography II** (3 sem. hrs.) A continuation of Echocardiography I. Physiology and pathology not covered in Echocardiography I will be presented in this course including pericardial disease processes, prosthetic heart valves, and cardiac tumors. More scanning procedures and ultrasonic characteristics of the heart will be covered as well. Prerequisite: DMS 34003. Three-hour lecture. (Fall)

**DMS 35503 Cardiovascular Practicum II (3 Credit** Hours) A more advanced scanning experience in the DMS cardiovascular program. In the clinical setting, students will improve upon previously learned skills and techniques related to sonographic imaging. Students will function under close supervision of qualified sonographers. Prerequisite: DMS 34504. Twenty- four (24) clinical hours. (Fall)

**DMS 36001 Pediatric Echocardiography** (1 sem. hr.) The study and uses of diagnostic medical sonography and its application as it relates specifically to the embryonic, fetal, and pediatric heart. Two-dimensional imaging, M-mode, Doppler testing, and Transesophageal Echocardiography in the detection of valvular and ischemic heart disease of the pediatric patient will also be studied. The various types of corrective surgeries for congenital heart disease will also be covered. Prerequisite: DMS 35003. One-hour lecture. (Spring)

**DMS 36503 Cardiovascular Practicum III** (3 sem. hrs.) The final scanning experience in the DMS cardiovascular program. In the clinical setting, students will be challenged to function independently with supervision of qualified sonographers. Prerequisite: DMS 35503. Twenty-four (24) clinical hours. (Spring)

**DMS 38003 Vascular Sonography I** (3 sem. hrs.) The first in a two-part series in studying the use of diagnostic medical sonography as it relates to the vascular system. Protocols for performing Vascular Ultrasound and noninvasive testing examinations will be covered, as well as indications, history, and physical examinations. This course will also cover anatomy of the vascular system, vascular pathology, differential diagnosis, and information regarding fluid hemodynamics. Prerequisite: completion of the General DMS AAS program or equivalent. Three-hour lecture. (Spring)

**DMS 39003 Vascular Sonography II** (3 sem. hrs.) The second part of a two-part series in studying the use of diagnostic medical sonography as it relates to the vascular system with particular attention to the venous system. Duplex, pulsed and continuous wave Doppler velocimetry of peripheral and intra-extra-cranial systems will be studied along with plethysmography testing. This course will discuss more physiology and pathology of the vascular system not covered in Vascular Sonography I. More scanning procedures and ultrasonic characteristics of the vascular system will be covered. Prerequisite: DMS 38003. Three-hour lecture. (Fall)

**DMS 41003 Physics and Instrumentation I** (3 sem. hrs.). The first course in sonographic physics and instrumentation covering basic principles of medical sonography. Acoustic variables, the interaction of sound with tissue, transducers, and instrumentation of

machine controls will be discussed. Prerequisite: Successful completion of an AAS in DMS or RAD or its equivalent. Two-hour lecture. (Fall)

**DMS 41103 Abdominal Sonography I** (3 sem. hrs.) The study and the uses of diagnostic medical sonography and its application in the diagnosis of diseases of the abdomen. General principles of medical sonography scanning procedures and ultrasonic characteristics of the various abdominal organs and pathology will be covered. Prerequisite: completion of the Cardiovascular DMS program or equivalent. Three-hour lecture. (Spring)

**DMS 41203 Gynecological Sonography** (3 sem. hrs.). The study and the uses of transabdominal and transvaginal medical sonography and its application in the diagnosis of diseases of the female pelvis. The sonographic appearance of the female reproductive organs, surrounding anatomy, the first trimester of pregnancy, and all gynecological pathology will be covered. Prerequisite: completion of the Cardiovascular DMS program or equivalent. Three-hour lecture. (Spring)

**DMS 41301 Seminar I** (1 sem. hrs.**).** The first course in a seminar series on professional development, clinical correlation, student presentations, current issues, and other miscellaneous topics in sonography. Case study presentations will be an integral part of this course. Guest speakers will be utilized on an occasional basis to enhance presentations. Prerequisite: completion of the Cardiovascular DMS program or equivalent. One-hour lecture. (Fall)

**DMS 41504 General Sonography Practicum I** (4 sem. hrs.). The initial scanning experience in the General DMS program. In the clinical setting, students will apply learned concepts and techniques related to sonographic imaging. Students will function under close supervision of qualified sonographers. Prerequisite: completion of the Cardiovascular DMS program or equivalent. Thirty-two (32) clinical hours. (Summer)

**DMS 42003 Physics and Instrumentation II** (3 sem. hrs.). A continuation of Physics and Instrumentation I. Doppler ultrasound principles and hemodynamics will be discussed. Students will also learn about artifacts, quality assurance, and bioeffects related to sonography. Prerequisite: DMS 41003. Two-hour lecture. (Spring)

**DMS 42103 Abdominal Sonography II** (3 sem. hrs.). A continuation of Abdominal Sonography I. All abdominal organs not included in Abdominal Sonography I will be covered. This course will also include superficial organs such as thyroid and male reproductive organs. Prerequisite: DMS 41103. Three-hour lecture. (Fall)

**DMS 42203 Obstetrical Sonography** (3 sem. hrs.). An extensive study of the anatomy, physiology, pathology, and sonographic appearance of the developing fetus. Clinical presentation and maternal complications associated with pregnancy are also covered. Prerequisite: DMS 41203. Three-hour lecture. (Fall)

**DMS 42301 Seminar II** (1 sem. hrs.). The second course in a seminar series on professional development, clinical correlation, student presentations, current issues, and other miscellaneous topics in sonography. Case study presentations will be an integral part of this course. Guest speakers will be utilized on an occasional basis to enhance the presentations. Prerequisite: DMS 41301. One-hour lecture. (Spring)

**DMS 42503 General Sonography Practicum II** (3 sem. hrs.). A more advanced scanning experience in the DMS program. In the clinical setting, students will improve upon previously learned skills and techniques related to sonographic imaging. Student will function under close supervision of qualified sonographers. Prerequisite: DMS 41504. Twenty-four (24) clinical hours. (Fall)

**DMS 43503 General Sonography Practicum III** (3 sem. hrs.). The final scanning experience in the general DMS program. In the clinical setting, students will be challenged to function independently with supervision of qualified sonographers. Prerequisite: DMS 42503. Twenty-four (24) clinical hours. (Spring)

**DMS 43601 Registry Review** (1 sem. hr.). A review course to prepare for the American Registry for Diagnostic Medical Sonographers (ARDMS). A comprehensive review with multiple practice examinations covering physics and instrumentation, abdominal and small parts sonography, and ob/gyn sonography will be offered. Prerequisite: satisfactory progress in the General DMS program. (Spring)

**DMS 43701 Breast Sonography** (1 sem. hr.). The study and uses of diagnostic medical sonography and its application in the diagnosis of disease of the breast. This course will include an in-depth study of breast anatomy as well as the ultrasonic characteristics of normal tissue versus pathological processes. The sonographer's role during ultrasound-guided invasive procedures will be discussed and case studies will be presented. Prerequisite: DMS 42103. One-hour lecture. (Spring)

**DMS 48801-03 Selected Topics in Diagnostic Medical Sonography.** (1-3 sem. hrs.). This course is a study of DMS topics not included in other course offerings. The format for this course may be special projects, readings, a scheduled class, or a seminar. Prerequisite: Acceptance into the DMS program. (On Demand)

**DMS 49901-03 Directed Studies in Diagnostic Medical Sonography** (1-3 sem. hrs.). Independent study and/or research under the supervision of an instructor in diagnostic medical sonography. May include directed research and readings, formal in-depth study of a topic of special interest to the student, individual projects, special educational experiences, or a practicum in which theories and their practical applications are brought together in a single educational experience. Prerequisites: Junior or senior standing, the completion of at least the two-year degree in DMS or RAD, and permission of the instructor and program director. (On Demand)

## ECO - Economics

**ECO 11103 (TM) Contemporary Economics.** (3 sem. hrs.). A survey of basic concepts such as economic growth, distribution, inflation, interest rates, costs, supply, demand, and public goods. Topics covered also include American capitalism, market failures, unemployment, taxation, and trade. *(This course is at the elementary level and is not to be substituted for another Economics course requirement.)* Lab fee required. (Fall, Spring)

**ECO 11403 Introduction to Microeconomics.** (3 sem. hrs.) Nature of economic problems, theory of consumer behavior, theory of firm markets, and resource allocation. Lab fee required. (Fall, Spring)

**ECO 12403 Introduction to Macroeconomics**. (3 sem. hrs.) Introduction to macro-level economic problems. National income, inflation, employment, fiscal policy, monetary policy, economic growth, and global economic issues. Lab fee required. (Fall, Spring)

## EDU - Education

**EDU 10303 School and Community.** (3 sem. hrs.). This beginning teacher education course teaches the historical foundations of education of American schools. The impact of the entire society on the formation and shaping of schools is stressed. Teacher candidates are introduced to the major philosophies of education and their impact on and evidence in classrooms. A fifteen-hour (15) field experience is required for this course. (Fall, Spring)

**EDU 11503 Arts in Education** (3 sem. hrs.) This course is a study of procedures, methods and techniques of presenting experiences in music, art, movement, and theater. Practical activities will be explored with emphasis given to incorporating these activities in cross curricular/thematic units. The role of the arts will also be explored as it relates to trauma informed practices and multicultural education. Quality children's literature will be utilized as the key instructional tool /instrument/element/basis for the development of these skills. (Spring)

**EDU 12201 Field Trips in Education** (1 sem. hr.) This course introduces teacher educators and those in related professions to student travel as part of a school curriculum. Teacher candidates will have the opportunity to travel to a specific destination and be immersed in the culture of the location. This diverse experience will be an authentic opportunity where teacher candidates acknowledge the value of hands-on learning. Particular emphasis is given to developing authentic field experiences for students using existing curriculum and teacher planning. May be repeated and destination may vary. (Spring)

**EDU 12301 The Science of Reading: An Introduction** (1 sem. hr.) This course will introduce The Science of Reading and its influence on how reading should be taught to develop skilled readers. Topics will include: how the brain reads, what makes a skilled reader, why some students struggle, The Four Theoretical models in the Science of Reading, and contributions from the National Reading Panel and the National Early Literacy Panel. Students will be introduced to Phonics terms. These terms are foundational and will be expanded upon in future Reading courses. (Spring)

**EDU 12503 Adolescent to Young Adult Content Area Reading for Career Technical** (3 sem. hrs.). This course stresses the role of reading, writing, talking, and listen/visual strategies as necessary and inseparable forms of communication in all content areas. The focus of instruction is to help teacher candidates teach students to be life-long learners, using communication strategies to both gather and share information. A 30-hour field experience in the teacher candidate's concentration in an AYA setting is required. This experience will include activities such as observing, planning and teaching lessons using content area reading strategies, and keeping a journal reflecting upon classroom observations and activities as they relate to concepts studied in class. Open only to CT Licensure Program candidates. (Fall)

**EDU 20003 Planning for Instruction/Classroom Management for CT.** (3 sem. hrs.). A pre-service course designed to prepare novice teachers for entry into the teaching profession. Includes study of the principles of learning, teaching, and professional roles expected of teachers. Course fee required. (Fall)

**EDU 20203 Infant, Child & Adolescent Development (Prenatal-YA) ECE/ISK-12/ECSE** (3 sem. hrs.). Basic concepts of child development, similarities and differences among exceptionalities, appropriate instructional practices, and impact of language acquisition on development will be explored in this three-hour class. During a field experience project, teacher candidates will recognize and document at least ten examples of development connecting class discussions with what they see in learning environments. Overarching professional preparation standards explored in this class include: Knowing and understanding young children's characteristics and needs (NAEYC); Knowing and understanding similarities and differences among individuals with exceptionalities (CEC-ISCI); Knowing and understanding typical and atypical human growth and development (CEC-ISCI); Knowing and understanding the impact of child's abilities, needs, and characteristics on development and learning (CEC-ECSE). A fifteen-hour (15) field experience is required for this course. (Spring)

**EDU 20303 Learning Environments (P-12) ECE/ISK-12/ECSE** (3 sem. hrs.). Teacher candidates will investigate the demands of a wide variety of learning environments. The focus of this three-hour class will be collaboratively creating and managing a developmentally appropriate, healthy, physically and emotionally safe learning environment for all individuals. In addition, overarching teacher preparation knowledge standards explored in this class include the principles of normalization and least restrictive environment, retaining and appreciating each other's language and culture, utilizing technology to manage the teaching and learning environment, grouping for learning success, and strategies for crisis prevention and intervention. Candidates will learn standards-based skills to establish consistent routines,

activities, and positive behavior supports that promote independent functioning for all children, including those with disabilities. Students will also learn how to provide a stimulus-rich indoor and outdoor environment that employs materials, media, and adaptive and assistive technology, responsive to individual differences. The development of collaborative problem-solving and conflict resolution skills necessary to model and teach them to young learners is also emphasized. A 10-hour field experience-based project will be required. This experience will focus on the positive impact of differentiation, the principles of Universal Design for Learning (UDL), and co-teaching on the learning environment. (Fall)

**EDU 20403 Planning for Instruction.** (3 sem. hrs.) This course will provide the teacher candidate with the basic understandings of the teaching process. Based on a five-phase model of instruction the teacher candidate will be introduced to the cognitive, affective, and psychomotor domains of learning. The teacher candidate will be instructed in the development of appropriate objectives for any learner. Pre-assessment of learners will be discussed. The day-to-day work of the classroom teacher will be surveyed. The development of good teaching units will be studied, the importance of daily lesson plans will be discussed, and lesson plans based on age appropriate objectives will be written. Candidates will be introduced to the procedure to follow and complete the process to be admitted into the School of Education. (Fall, Spring)

**EDU 22103 Observation and Visitation I** (3 sem. hrs.) Field-based experiences at the career-technical school. On-site visits by teacher educator to guide and evaluate novice teachers in the application of and participation in simulated exercise, field experience, and group seminars. Course fee required. (Fall)

**EDU 23203 Observation and Visitation II** (3 sem. hrs.) Continuation of the field-based experiences begun in EDU 22103, including on-site visits by a teacher educator. Course fee required. (Spring)

**EDU 22203 Science, Health, & Nutrition Methods & Intervention Techniques for Middle Childhood.** (3 sem. hrs.) The teaching of modern/contemporary science, health, and nutrition for children from grade 3 to grade 9 with emphasis placed on objectives, curriculum, materials, methods of teaching, and evaluation/assessment. Development and applications of the NRC National Science Standards and the Ohio Science Model as they relate to the middle grades level. Prerequisite: EDU 20403 or concurrent. A field experience of twenty (20) hours in the middle grade setting is required. Course fee required. (Fall)

**EDU 22403 Educating the Exceptional Learner**. (3 sem. hrs.) This course will cover exploration of levels of severity and needs of exceptional children and adults to age 21 in educational settings and in the community. It is a general survey course of social/emotional, cognitive, and learning style characteristics, causes, Individualized Education Programs, and educational placement and instruction for students with exceptionalities. A fifteen-hour (15) field experience is required. Prerequisite: Second Year Rank. (Fall, Spring)

**EDU 22603 Content Area Reading & Intervention ECE/ISK-12/ECSE** (3 sem. hrs.) This course stresses the importance of reading as a means to learn, to access information, and to enhance the quality of life. Teacher candidates explore methods and procedures to engage all students in exploring reading across the curriculum. Emphasis is placed on the child's construction of meaning through prior knowledge, written language, and the various reading contexts. Reading, writing, listening, and speaking are explored through evidence and research-based strategies. Diversity of students and culture are explored with a rich variety of cultural literature for children (ages 3-gr. 12). Effective study and questioning strategies are explored as well as strategies that encourage and motivate students to pursue and respond to reading and writing for personal growth and fulfillment. The practices of co-teaching, UDL, differentiation, and data-based decision-making will be key components of the course. A 15-hour field experience is required in this course. Prerequisite: EDU 20403. (Fall)

**EDU 22703 Science, Health, Nutrition Methods & Intervention ECE/ISK-12/ECSE** (3 sem. hrs.) The course focuses on the teaching of modern/contemporary science, health and nutrition for children from age 3 to grade 12 with emphasis on learning objectives, curriculum, materials, methods of teaching, and evaluation/assessment. Development and applications of the *National Science Standards (NRC)* and the *Ohio Academic Content Standards* and *Early Learning Standards* as they relate to the early childhood and K-12 levels will be investigated. Multiple teaching methods and intervention techniques for working with students with diverse needs will be examined. Exploration of instructional expectations for students and their differences in developmental levels, science backgrounds, and scientific potential will be conducted. Utilizing technology in the planning and teaching of science will also be addressed in this course. Students will study and apply the three dimensions of the *Next Generation Science Teaching Standards* from the NRC framework: (a) practices, (b) crosscutting concepts, and (c) disciplinary core ideas. A 15-hour field experience is required. Prerequisite: EDU 20403. (Fall, Spring)

**EDU 23303 Family, School & Community Collaboration ECE/ISK-12/ECSE** (3 sem. hrs.) This course is designed to provide pre-service teachers knowledge and skills necessary to communicate and collaborate with parents in school and community settings to facilitate the development, education, and socialization of students with and without disabilities from early childhood through grade 12. Students will develop knowledge of family systems theory, the impact of disabilities upon the life of the child and family members, family legal rights, structure of the family, history of the family, family coping strategies, and the impact of culture, the environmental milieu and cultural and linguistic diversity on development, learning, and behavior. Students also identify sources of services, resources, networking, and organizations that assist families of children and also persons with disabilities such as the *Council for Exceptional Children*

*(CEC)* and a variety of additional national, state, and local agencies and organizations. In addition to the focus on interactions with families, this course also allows teacher candidates to develop critical skills needed to collaborate with other education professionals to assess performance, plan instruction, monitor progress, provide interventions, solve problems, create Individualized Education Programs (IEPs), and provide all students with instructional and behavioral supports that will allow them to be successful learners. As part of a project-based field experience, teacher candidates must interview the parent(s) of a child with a disability, and the child (if appropriate). The information gathered is used to write a *Family Case Study Report* and a *Family Action Plan*. A project-based field experience is required for this course. (Fall, Spring)

**EDU 23503 Content Area Reading for Middle Childhood.** (3 sem. hrs.) Course stresses importance of reading as a means to learn, to access information, and to enhance the quality of life. Teacher candidates explore methods and procedures to engage middle school pupils in exploring reading across the curriculum. Emphasis is placed on middle schoolers' construction of meaning through prior knowledge, written language, and the various reading contexts. Reading, writing, listening, and speaking are explored. Course stresses constructivist processes and emphasizes that meaning, content, purpose, tasks, and setting influence the reading process. Diversity of students and culture are explored with a rich variety of cultural literature for middle schoolers. Direct instruction and modeling of "What", "When", and "How" to use reading strategies with narrative and expository texts stressed. Effective study and questioning strategies explored as well as strategies that encourage and motivate students to pursue and respond to reading and writing for personal growth and fulfillment. Authentic assessment/learning style, teaching to exceptionalities, use of technology, integrated curriculum, cooperative learning, class-room management, independent learning, and community-based projects for middle schoolers are explored. The communication skills of talking and listening and the enriching aspects of drama, oral presentation, and project study are stressed. Utilization of the Ohio English Language Arts Academic Content Standards is required for the related middle school. A fifteen-hour (15) field experience in a partnership school is required for this course. Course fee required. (Fall)

**EDU 24003 Foundations and Assessment of Teaching and Learning** (3 sem. hrs.) This course includes topics such as theorists, brain-based learning, cognitive processes of learning, learner motivation, classroom management, assessment types, scoring of assessments, reporting of assessment results, and data-driven decision making. The Workforce Development Teacher Competencies addressed in this course include Competency I, Classroom Environment; Competency 2, Curriculum; Competency 3, Instruction; and Competency 4, Assessment. (Fall)

**EDU 24603 Social Studies Methods & Intervention ECE/ISK-12/ECSE** (3 sem. hrs.) This course examines various components involved in developing and implementing an effective social studies program for PK through Grade 12 students. Teacher candidates learn to apply evidence-based instructional and intervention strategies within the context of social studies content included in the *Ohio Early Learning and Development Standards* and the *Ohio Academic Learning Standards*. Co-planning and co-teaching lessons within a unit plan is a required element of the field experience component of this course. Integration of instructional technology and techniques relevant to all learners will be emphasized. Students learn to select appropriate instructional methods and design activities to create an active learning environment that engages and supports a diverse learning population. Educator preparation knowledge and skills identified in the *Ohio Standards for the Teaching Profession*, the *National Association for the Education of Young Children (NAEYC) Standards for Initial Early Childhood Professionals*, and the *Council for Exceptional Children (CEC) Initial Educator Standards* provide the foundation for course learning objectives. A 15-hour field experience is required. Prerequisite: EDU 20403. (Spring)

**EDU 25303 Professional Practices ECE/ISk-12/ECSE** (3 sem. hrs.) Throughout the semester students will study the legal history, provisions, rights, current research, and issues concerning parents, teachers, and other school and community professionals in placement, medication, orientation and gender biases and other standards and policies of the model for students with exceptional needs while maintaining and promoting a high level of competency and integrity in professional practices. Students will also study federal, state, and local laws, procedures, policies, and standards related to the assessment eligibility and placement of students into special education programs. (Spring)

**EDU 25503 Assessment in Education ECE/ISK-12/ECSE** (3 sem. hrs.) Throughout the semester students will learn to use formal, informal, and authentic assessment techniques to collect a wide variety of student performance data typically used to inform instructional planning, assess student learning, adjust instruction, provide interventions, and monitor on-going student progress. Students will be introduced to the processes and procedures related to evaluation for special education eligibility. Candidates will also learn to administer standardized achievement and diagnostic tests to individual students and also to develop informal assessment instruments and materials. Candidates will be introduced to formal assessment terminology as well as the appropriate uses and limitations of standardized group and individualized diagnostic tests. Instruction will be given on how to interpret, display, report, and explain assessment data to parents, students, colleagues, and other professionals. A field project is required for this course. (Fall, Spring)

**EDU 26403 Middle Childhood Integrated Social Studies Methods**. **(3 Credit Hours)** Curricular applications of nature/ needs of Young Adolescents (grades 4-9) studied via the Ohio Social Studies Academic Content Standards. Students study effective practice strands of the Social Studies Model in the Partnership School Setting. Technology applications are required. Multiple intelligences, learning styles, diversity enriched curricula

free of stereotyping, active learning, special projects, service/community activities, and constructivist learning are applied to teaching middle-childhood students. Critical thinking, problem solving, and performance skills are pursued. Social interaction is explored through the venues of verbal, nonverbal, and media/technology applications. Best practices explored for inclusion requirements for all instructional/service activities. Supportive interaction and self-motivation of middle childhood learners explored for enhanced student involvement/ achievement. Integrated studies across middle grades curricula are emphasized. Ohio Academic Content Standards is a framework for instructional planning. Social science strands utilized as frameworks for thematic, cross-curricular studies. Appropriate middle school formal and informal assessment strategies utilized. A required field experience takes place in a middle school setting that supports the principles of the Association for Middle Level Education. Activities include observation, participation, and teaching (individual students, small groups, and large groups). Self-reflection on best practices in teaching young adolescents is required. Portfolio development accompanies the experience and course study. A fifteen-hour (15) field experience is required for this course. Course fee required. (Fall)

**EDU 26501 Middle Childhood Seminar I** (1 sem. hr.) In this course, the teacher candidate will become familiar with the Association for Middle Level Education (AMLE) and indicators with each standard. The teacher candidate will be able to produce examples of artifacts with these standards. Exploration of middle adolescent characteristics (intellectual, physical, social, emotional, and moral development) will be emphasized. Completing a case study on a middle school child will allow the teacher candidate to reflect on characteristics of the young adolescent and provide an educational plan for the strengths and weaknesses of the young adolescent. Components of service learning and mentorship in an advisor/advisee relationship of middle schools will be explored as well as the latest technology available to help the young adolescent succeed with school and the community. Professional communication models from various sources within the school community will focus on ways to involve parents and other adults to encourage the young adolescent. (Fall, Spring)

**EDU 27003 Curriculum Alignment and Technological Literacy** (3 sem. hrs.) This course works toward developing an understanding of Ohio's Academic Standards, alignment of curriculum with outcomes and connection to career-technical classroom instruction along with studying the impact of technology on general education. Methods and applications of computer usage in an integrated program will also be discussed. Focus is placed on word processing, database, and spreadsheet applications. Students will have practical work in the use of e-mail, the internet, the interactive whiteboard, and creating a power point presentation. The Workforce Development Teacher Competencies addressed in this course include Competency 1, Classroom Environment; Competency 2, Curriculum; Competency 3, Instruction; and Competency 7, Professionalism. (Fall)

**EDU 27703 Diversity of Learners** (3 sem. hrs.) This course presents a comprehensive introduction of the continuum of educational and instructional options for learners with special needs from middle school through adulthood. Additionally, procedures for preparing exceptional persons to fulfill their career roles as workers, family members and community residents will be examined. The workforce Development Teacher Competencies addressed in this course include Competency 1, Classroom Environment; Competency 2, Curriculum; and competency 3, Instruction. (Spring)

**EDU 28003 Student Centered Leadership.** (3 sem. hrs.) Designed to assist novice teachers in building a student-centered classroom leadership program. How to integrate leadership concepts to enhance career technical student organizations (CTSO) involvement and culminating projects will be examined. Course fee required. (Spring)

**EDU 28302 Early Childhood Development Portfolio.** (2 sem. hrs.) This course is designed to give an overview of principles and practices of democratic administration and the development of policies to implement a school's philosophy. Various patterns of school organization will be examined. Portfolio development and a written resume are required in this class. Other experiences include: roles of lead teacher, financial manager, and center manager. Legal and ethical responsibilities of the individual and the center will be examined. Professional conduct and professional organizations will be considered. Course fee required. (Fall, Spring)

**EDU 28503 Professional Development** (3 sem. hrs.) This course will incorporate current trends and issues in American education utilizing materials drawn from social cultural foundations of education. Licensure standards, teacher competency testing, charter schools, magnet schools, virtual schools, home schooling and individual instruction will be explored. The organization of Ohio's public schools as it relates to a teacher's growth is also a focus of this course. Each teacher will prepare a professional development plan for the next two years of their professional life. The Workforce Development Teacher Competencies addressed in this course include Competency 1, Classroom Environment; Competency 2, Curriculum; Competency 3, Instruction; Competency 4, Assessment; Competency 5, Program Review; Competency 6, Recruitment; and Competency 7, Professionalism. (Spring)

**EDU 28801-03 Selected Topics in Education.** (1-3 sem. hrs.) A study of topics not included in the regular curriculum offerings. A group of students, the instructor, and School Chair may select the field of study. Course fee required. (On Demand)

**EDU 28903 Career Portfolio in Education** (3 sem. hrs.) This course is designed to guide students through the process of evaluating and considering their prior work and life experiences into a current or future non-traditional pathway in education. Work and life experience credit may be awarded for successful completion of this course. This course is for students who have not yet earned an associate degree.

**EDU 29403 Early Childhood Seminar.** (3 sem. hrs.) Teacher candidates enrolled in this capstone experience will demonstrate the ability to work effectively with children of diverse ages, diverse abilities, and from diverse family systems during this full-time supervised practicum experience. For two hundred (200) clock hours, students will observe and participate under the supervision of a qualified professional. In the one-hour seminar that accompanies the practicum, teacher candidates will analyze and evaluate field experiences, including supervised experience in working with parents, and supervised experience in working with interdisciplinary teams of professionals. Teacher candidates will review their philosophical positions in light of management knowledge and skills in working with staff, parents, and children. Course fee required. (Spring)

**EDU 29503 Orientation to Hearing Impairment** (3 sem. hrs.) This course will provide an overview of hearing impairment and its impact on a person's education, career and life functions. Basic anatomy of the auditory systems and interpretation of audiological reports will be addressed along with an overview of supports available to the children or adults with a hearing impairment. Specific etiologies causing hearing impairment; Wardenburg's Syndrome, age, noise-induced loss, prematurity, extreme low birth weight, etc. will be addressed as part of the coursework. Hearing loss within the scope of multiple disabilities will also be part of the course including Deaf Blindness and its key causes; Charge and Usher's Syndromes. Cochlear Implants and their impact on hearing impairment, uses and limitations will also be addressed as part of the course content.

**EDU 29603 Sign Systems I** (3 sem. hrs.) This course is based on the integration of learning outcomes across Interpersonal, Interpretive and Presentational modes of communication. Students accomplish real-world communicative tasks in culturally appropriate ways as they gain familiarity with products, practices, and perspectives of American Deaf Culture. Students learn grammar, vocabulary, structures and spatial orientation to enable them to meet functional performance goals at this level and to build a foundation for continued language learning.

**EDU 29703 Sign Systems II** (3 sem. hrs.) This course is based on the integration of learning outcomes across Interpersonal, Interpretive, and Presentational modes of communication. Students accomplish real-world communicative tasks in culturally appropriate ways as they gain familiarity with products, practices, and perspectives of American Deaf Culture. Students learn grammar, vocabulary, structures and spatial orientation to enable them to meet functional performance goals at this level and to build a foundation for continued language learning. During this course, students perform better and stronger in the Novice range while some abilities emerge in the intermediate range. Prerequisite EDU 29603

**EDU 29803 Orientation to Visual Impairment** (3 sem. hrs.) Students will learn basic terminology related to the functioning of the human visual system as well as the impact of visual impairment and how it relates to a student's learning experience and how an intervention specialist affects it. Learners will find how they can work with a family to form a team to plan transitions and work to positively impact a student's self-esteem.

**EDU 29901-05 Directed Studies in Education (elective).** (1-3 sem. hrs.) Directed individual projects or research in some aspects of professional education. Prerequisites: Seeking teacher licensure and permission of School Chair. (On Demand)

****ALL COURSES at the 300-400 Level in EDU Require Admission to School of Education****

**EDU 30303 Multicultural Relations.** (3 sem. hrs.) Course explores role of teacher in diverse learning environment. Self-reflection and the impact of teacher interaction with students studied. Effective verbal, nonverbal, and media communications with students, parents, colleagues, and community considered. The Ohio Department of Education Competency-Based Model to frame Foreign Languages instruction examined. Exploration, practice/critique of helping dimensions of empathy, respect, genuineness, self-disclosure, concreteness, confrontation, and immediacy included. Problem solving/conflict resolution (non-directive listening, paraphrasing, and consensus building) practiced. Sensitivity to cultural attitudes and values explored, as are needs of inclusive students. Impact of families on individual learners examined. Total study of the multicultural climate emphasizes wholesome, enriched schools that offer students the opportunity to respect each other, appreciate differences, support each other, and engage in active, meaningful learning. Community cross-connections and teacher/parent interactions for enriching school are emphasized. Self-reflection throughout study requires teacher candidate to establish a credo for teaching that embraces all people. Portfolio processes enrich the study. Portfolio Benchmark II evaluated. (Fall, Spring)

**EDU 31503 Phonics for ECE/ISK-12/ECSE** (3 sem. hrs.) This course was designed to cover all phonics requirements established by the Ohio Department of Education as they relate to IS/MC needs. Upon completing the course teacher candidates will be knowledgeable about the phonemic and morphemic systems of language as well as the graphophonemic, syntactic, and semantic cueing systems. This information will be understood as it relates to the age appropriate language processes of reading, writing, talking, and viewing/listening. Candidates will gain an historical perspective on the teaching of phonics through an overview of learning and reading theory. The role of language acquisition, language deficiencies/delays, culture, and dialect differences as they relate to phonics will be studied, as well as the role of phonics in spelling, word recognition, and decoding. Diverse methods for teaching sound/symbol relationships, word recognition, vocabulary, syntax, and comprehension for early childhood (including appropriate use of technology) will be taught to and practiced by all teacher candidates. A supervised 15-hour field experience in an IS/MC setting will include observation, tutoring with classroom teacher guidance, lesson planning, teaching lessons prepared under the guidance of the course instructor and/or the

classroom teacher and authentic assessment of a student's emerging literacy. Prerequisite: Concurrent with EDU 31603. (Fall)

**EDU 31603 Reading Methods for ECE/ISK-12/ECSE** (3 sem. hrs.) This course focuses upon the Ohio Department of Education's English Language Arts Standards, as they relate to grade level indicators, with emphasis on reading and writing processes and applications. The focus will be on teaching children to consider themselves to be readers and writers from the time they can listen to a story or hold a pencil. Comprehension strategies such as predicting & confirming, retellings, language experience activities, and literature circles and literature response activities will be tied in with age appropriate experiences for the authoring process, literature appreciation, and authentic oral and silent reading practices. Appropriate use of authentic assessment techniques, evidence-based instructional and intervention strategies, language/literacy immersion, multicultural literature, techniques for teaching to the multiple intelligences and the use of research and technology in the teaching of reading will help teacher candidates learn to teach to the individual. A supervised 15-hour field experience in a setting will include activities of developing reading related materials (such as an interactive bulletin board), planning and teaching lessons with the guidance of the university instructor and the classroom teacher, and keeping a journal reflecting upon classroom observations and activities as they relate to concepts studied in class. Three evidence-based instructional strategies including (a) differentiation, (b) data-driven instruction, and (c) Universal Design for Learning (UDL) will be implemented within the field experience. (Fall)

**EDU 32203 Constructivist Practices.** (3 sem. hrs.) This course focuses on constructivist practice as a scientifically researched theory that explains learning as a physically and mentally active process. Consideration is given to the ways children make sense of their world. Ways that early childhood teachers can help address issues in constructive ways are explored. (Fall)

**EDU 32503 Adolescent to Young Adult Content Area Reading.** (3 sem. hrs.) This course stresses the role of reading, writing, talking, and listen/visual strategies as necessary and inseparable forms of communication in all content areas. The focus of instruction is to help teacher candidates teach students to be life-long learners, using communication strategies to both gather and share information. A thirty-hour (30) field experience in the teacher candidate's concentration in an AYA setting is required. This experience will include activities such as observing, planning and teaching lessons using content area reading strategies, and keeping a journal reflecting upon classroom observations and activities as they relate to concepts studied in class. Prerequisites: Admission to Teacher Education, EDU 39103. (Fall)

**EDU 33203 Phonics for Middle Childhood (concurrent with EDU 33403).** (3 sem. hrs.) This course was designed to cover all phonics requirements established by the Ohio Department of Education as they relate to middle childhood needs. A supervised fifteen-hour (15) field experience in a middle childhood setting at a partnership school will include observation, tutoring with classroom teacher guidance, lesson planning, teaching lessons prepared under the guidance of the course instructor and /or the classroom teacher and authentic assessment of a student's developing literacy. Prerequisites: Admission to Teacher Education. (Spring)

**EDU 33302 Integrating Educational Technology into the Curriculum (concurrent with EDU 39103).** (2 sem. hrs.) In accordance with the ISTE Standards, teacher candidates in this course will implement curriculum plans that include methods and strategies for applying technology to maximize student learning, and candidates will apply technology to facilitate a variety of effective assessment and evaluation strategies. (Fall, Spring)

**EDU 33403 Reading Methods for Middle Childhood (concurrent with EDU 33203).** (3 sem. hrs.) This course focuses on the Ohio Department of Education's English Language Arts Standards as they relate to middle childhood grade-level indicators with emphasis on reading and writing processes and applications. A supervised fifteen-hour (15) field experience in a middle childhood setting at a partnership school will include activities such as developing reading related materials (such as an interactive bulletin board), planning and teaching lessons with the guidance of the university instructor and the classroom teacher, and keeping a journal reflecting upon classroom observations and activities as they relate to concepts studied in class. Prerequisites: Admission to Teacher Education. (Spring)

**EDU 34203 Content Area Reading for Intervention Specialists/Multi-Age.** (3 sem. hrs.) This course stresses the role of reading, writing, talking, and listen/ visual strategies as necessary and inseparable forms of communication in all content areas. The focus of instruction is to help teacher candidates teach students to be life-long learners, using communication strategies to both gather and share information. A thirty-hour (30) field experience in a high school intervention specialist's "classroom" is required. Prerequisites: Admission to Teacher Education. (Fall)

**EDU 34503 Classroom Management & Behavior Intervention ECE/ISK-12/ECSE** (3 sem. hrs.) This course introduces the students to the principles of classroom management. Attention is drawn to the physical learning environment and laying out the school year, as well as viewing the teacher as planner, educator, and manager for the classroom. Stress is placed on the psychosocial environment of the classroom, managing student motivation, adapting instruction, managing students at work, and managing assessment, record keeping, and reporting. The students will be led in discussion of prevention of behavior problems by developing skills in providing positive behavior interventions and supports for all students. Observation techniques for collecting behavioral data necessary to conduct a Functional Behavior Assessment (FBA) are taught. Candidates also learn skills needed to develop a Behavior Intervention Plan (BIP) based on explicit instruction in and positive reinforcement of socially appropriate

replacement behaviors. This course provides teachers with strategies to effectively manage a variety of education environments with behavior intervention skills and applied behavior analysis techniques. A project-based field experience is required. (Fall, Spring)

**EDU 35403 Science for Elementary/Middle School Teachers** (3 sem. hrs.) This course is designed for teacher candidates seeking to teach young adolescents in fourth and fifth grade. The course will emphasize teaching and lesson planning in physical science. The teacher candidates will explore science concepts that are part of daily life and learn how to incorporate observation, discourse, and experimentation to increase understanding of physical science of students at the fourth and fifth grade levels. They will investigate topics using hands-on activities, online resources, readings, and other multimedia materials. This course is for Early Childhood candidates seeking the Early Childhood Generalist Endorsement. Prerequisites: EDU 22303 or EDU 23303. (Fall, Spring)

**EDU 36702 Math for Elementary/Middle School Teachers** (2 sem. hrs.) Participants will examine the structure and applications of NCTM and the Ohio state standards for mathematics as they relate to fourth and fifth grades. Multiple examples of teaching strategies will be presented to assist candidates in meeting the needs of diverse learners and providing appropriate intervention techniques. Participants will also examine the mathematical expectations for students and instruction at the fourth and fifth grade levels while learning to recognize the differences in student developmental levels and experiences. Participants will also gain skill in the use of technology for planning as well as instructional purposes. Prerequisite: Admission to the School of Education, MTH 11505. (Fall)

**EDU 36803 Special Education Programming PK-5** (3 sem. hrs.) Teacher candidates will learn to select and develop age appropriate, formal and informal assessment strategies and instruments to collect student information. Teacher candidates will also learn to use the data collected to develop Individualized Education Programs (IEPs), to provide specially designed instruction, and to identify appropriate instructional and assessment accommodations for student success in grade level general education courses. These skills reflect a strong knowledge base of developmentally appropriate, evidence-based strategies and techniques that may be used in various service delivery models. Teacher candidates will also focus on skills required to develop lessons and units for general education settings (Age 3-Grade 5), based on the principles of Universal Design for Learning (UDL). Transitions from pre-school special education programming to kindergarten, as well as transitions from birth-age 3 early intervention programs to preschool-age general education and special education programs are also highlighted in this course. ln course assignments involving an informal transition to school-age evaluation, and if eligible, the development of a transition to kindergarten IEP will be completed. Demonstration of authentic differentiation, the principles of UDL, and co-teaching in an early childhood setting are assessed in this course. Pre-requisite: EDU 22403 and EDU 25503 and admission to the School of Education. (Spring)

**EDU 36903 Special Education Programming K-12** (3 sem. hrs.) Teacher candidates will learn to select and develop age appropriate, formal, and informal assessment strategies and instruments to collect student information. Teacher candidates will also learn to use the data collected to develop Individualized Education Programs (]EP) and provide specially designed instruction and identify appropriate instructional and assessment accommodations for student success in grade level general education courses, that reflect a strong knowledge base of developmentally appropriate, evidence based strategies and techniques that may be used in various delivery models. Teacher candidates will also focus on the skills required to develop lessons and units for general education settings (K-12) based on the principles of Universal Design for Learning (UDL). Transitions from pre-school special education programming to kindergarten, as well as transitions from high school to postsecondary education, employment, and independent community living are highlighted in this course. Prerequisites: EDU 22403 Educating the Exceptional Learner, EDU 25503 Assessment in Education, admission to the School of Education. (Spring)

**EDU 37503 Middle Childhood Integrated Language Arts Methods**. (3 sem. hrs.) Curricular applications of nature and needs of young adolescents (grades 4-9) studied via the Ohio Language Arts Academic Content Standards. Candidates study language acquisition and development, the place of English grammar in the curriculum, dialects and levels of usage, various purposes of language, the effective practice of culturally diverse literature as a teaching tool, oral and written discourse, purposeful writing, and the impact of print and non-print media on cultural understanding. Technology applications are an integral part of course. Multiple intelligences, learning styles, diversity enriched curricula free of stereotyping, active learning, special projects, service/community activities, and constructivist learning are applied to teaching middle childhood students. Critical thinking, problem solving, and performance skills for middle childhood learners are seriously pursued. Best practices for inclusion are requirements for instructional activities. Integrated studies across middle grades curricula are emphasized as the Ohio Academic Content Standards provide a framework for instructional planning. Language/ literacy and humanities are utilized as frameworks for meaningful thematic, cross-curricular studies. Formal and informal assessment strategies explored. Required field experience takes place in a middle school setting that supports the principles of the Association for Middle Level Education (AMLE). Activities must include observation, participation, and teaching (individual students, small groups, and large groups). Teacher candidate self-reflection on best practices is required. Portfolio reflection on best practices in teaching young adolescents is required. A fifteen-hour (15) field experience is required for this course. (Spring)

**EDU 38903 Career Portfolio in Education** (3 sem. hrs.) This course is designed to guide students through the process of evaluating and considering their prior work and life experiences

into a current or future non-traditional pathway in education. Work and life experience credit may be awarded for successful completion of this course. This course is for students who have not yet earned an bachelor's degree.

**EDU 39103 Junior Field Experience.** (3 sem. hrs.) (concurrent with EDU 33302). During this supervised field experience, the teacher candidate will demonstrate knowledge of effective verbal and nonverbal, communications for fostering active inquiry, collaboration, and supportive interaction in the classroom, as well as planning and management of instruction based on knowledge of the content area. A self-evaluation is required for each lesson taught, which offers opportunity for teacher candidates to reflect on teaching and its effects on students' growth and learning. Teacher candidates are also required to be evaluated by the instructor while teaching. A ninety-hour (90) field experience is required for this course. Instructor permission only. (Fall, Spring)

**EDU 39503 Needs and Supports of the Hearing** Impaired (3 sem. hrs.) During this course candidates will learn to identify, obtain, and select instructional and instructional-support materials to promote achievement for students with a hearing impairment of varying ages and auditory needs. Candidates will learn to accommodate classrooms in terms of signal: noise ratio, amplification equipment, visual supports, and other methods to assist the child in learning the content material. Language supports and accommodations will be addressed along with language acquisition to support literacy acquisition.

**EDU 39603 Needs and Supports of the Visually Impaired** (3 sem. hrs.) Students will learn how to obtain and select specialized technology and other learning materials to develop appropriate teaching materials and strategies to address students of varying ages and visual needs. Learners will discover how to design multi-sensory environments to promote participation in educational activities to promote visual efficiency skills and teach literacy skills to students with vision loss and other disabilities.

**EDU 40103 Certifications for Educators** (3 sem. hrs.) This course provides teacher candidates professional development opportunities which lead the candidate to successful completion of multiple trainings and certifications. All trainings will be provided by licensed providers and trainers. (Fall)

**EDU 41403 Educational Psychology.** (3 sem. hrs.) This course explores solving common problems of teaching through the application of knowledge drawn from research in educational psychology on cognitive science, learning and memory, developmentally appropriate practices, assessment, problem-solving skills, theories of intelligence, multicultural education motivation of students, and creation of a positive learning environment. Student-centered approaches to teaching are used which reflect behaviorist and constructivist perspectives. (Fall, Spring)

**EDU 44403 Reading Assessment & Development.** (3 sem. hrs.) This course covers reading/language assessment and development from birth through age 21 using the NCATE/IRA guidelines for assessment. How to use formal, informal, and on-going authentic assessment techniques to build a picture of the student's strengths and weaknesses is the focus of the course. The role of assessment as a tool for *guiding instruction* (meeting student and curriculum needs) is emphasized. A fifteen-hour (15) tutoring field experience is required for this course. Fall/Spring/Summer Prerequisites: Early Childhood: EDU 22603, 24603, 31503, 31603 Middle Childhood: EDU 23503, 33203, 33403, 37503 Intervention Specialist: EDU 24603, 22603, 31503, 31603 Multi – Age: EDU 24503, 34203, 34303, 34403 AYA: EDU 32503, 33203, 33403, 48604

**EDU 47803 Math Methods** (3 sem. hrs.) A course focusing on teaching mathematics from age three to grade five with emphasis placed on state and national curriculum standards, educational resources, developmentally and culturally appropriate practice, intervention techniques/strategies, technology, assessment, and evaluation. Students will share ideas in small groups and in whole-class situations providing opportunity to share ideas and practice the use of manipulatives in authentic learning environments. A fifteen-hour field experience is required in this course in an appropriate classroom setting which may include observation, tutoring and teaching in whole-class settings. Pre-requisite: MTH 11505 and admission to School of Education. (Spring)

**EDU 48304 Math Methods & Intervention Techniques for Middle Childhood.** (4 sem. hrs.) A course focused on teaching children mathematics in grades 4 through 9 with emphasis placed on state and national curriculum standards, education resources, developmentally and culturally appropriate practices, technology, and assessment/ evaluation. A twenty-hour (20) field experience in an appropriate classroom setting is required which may include observation, tutoring, and teaching whole classes. Prerequisite: MTH 11505. (Spring)

**EDU 48404 Math Methods and Intervention Techniques for Adolescent to Young Adult.** (4 sem. hrs.) A course focused on teaching children mathematics in grades 7 through 12 with emphasis placed on state and national curriculum standards, education resources, developmentally and culturally appropriate practices, technology, and assessment/ evaluation. A thirty-hour (30) field experience in an appropriate classroom setting is required which may include observation, tutoring, and teaching whole classes. Prerequisite: MTH 11505 (Spring)

**EDU 48504 Science Methods & Intervention Techniques for Adolescent to Young Adult.** (4 sem. hrs.) The Science Methods & Intervention Techniques course for teacher candidates seeking an adolescence to young adult license will emphasize the use of objectives, curriculum, planning materials, methods of teaching, and proper assessment for that age group. The review and application of the NSTA standards and the Ohio Academic Content Standards will be used. Multiple instructional strategies that will promote optimal learning for all pupils, as well as students with diverse needs and appropriate intervention techniques will be emphasized. A thirty-hour (30) field experience in an appropriate

classroom setting is required. (Fall)

**EDU 48510 Clinical Practice: Primary PK-5 and IS PK-5** (10 sem. hrs.) Clinical Practice is the capstone experience for the teacher candidate. The candidate will be totally involved for twelve full weeks with an experienced, highly professional teacher in appropriate classroom settings that reflect early childhood experiences for which the teacher candidate will be licensed. Successful completion of clinical practice will be assessed by how well the candidate will organize content knowledge through appropriate activities and instructional materials that assure pupil learning, create fairness, and rapport so the learning environment is optimal for student learning, use instructional time effectively so pupil learning connects with content and leads to extended learning, and evaluate his/her own teaching for greater effectiveness and personal efficacy. Continuous supervision and assessment will be provided by the cooperating teacher, as well as assessment observations by and conferences with the university supervisor. Teacher candidate will attend university seminars during this experience. Prerequisite: admittance to Clinical Practice. (Fall, Spring)

**EDU 48604 Integrated Language Arts Methods for Adolescent to Young Adult.** (4 sem. hrs.) The Integrated Language Arts methods course for teacher candidates seeking an adolescence to young adult license will emphasize the use of objectives, curriculum, planning, materials, methods of teaching, and proper assessment for that age group. The review and application of the NCTE standards and the Ohio Academic Content Standards will be used. Multiple instructional strategies that will promote optimal learning for all pupils, as well as students with diverse needs and appropriate intervention techniques will be emphasized. A thirty-hour (30) field experience in an appropriate classroom setting is required. Prerequisite: Admission to Teacher Education. (Spring)

**EDU 48610 Clinical Practice: Primary PK-5 and Intervention Specialist K-12** (10 sem. hrs.) Clinical Practice is the capstone experience for the teacher candidate. The candidate will be totally involved for twelve full weeks with an experienced, highly professional teacher in appropriate classroom settings that reflect early childhood experiences for which the teacher candidate will be licensed. Successful completion of clinical practice will be assessed by how well the candidate will organize content knowledge through appropriate activities and instructional materials that assure pupil learning, create fairness, and rapport so the learning environment is optimal for student learning, use instructional time effectively so pupil learning connects with content and leads to extended learning, and evaluate his/her own teaching for greater effectiveness and personal efficacy. Continuous supervision and assessment will be provided by the cooperating teacher, as well as assessment observations by and conferences with the university supervisor. Teacher candidate will attend university seminars during this experience. Prerequisite: admittance to Clinical Practice. (Fall, Spring)

**EDU 48704 Social Studies Methods for Adolescent to Young Adult.** (4 sem. hrs.) The Integrated Social Studies Methods course for teacher candidates seeking an adolescence to young adult license will emphasize the use of objectives, curriculum, planning, materials, methods of teaching, and proper assessment for that age group. The review and application of the NCSS standards and the Ohio Academic Content Standards will be used. Multiple instructional strategies that will promote optimal learning for all pupils, as well as students with diverse needs and appropriate intervention techniques will be emphasized. A thirty-hour (30) field experience in an appropriate classroom setting is required. (Fall)

**EDU 48710 Clinical Practice: ECE/ECSE (concurrent with EDU 48902).** (10 sem. hrs.) Clinical Practice is the capstone experience for the teacher candidate. The candidate will be totally involved for twelve (12) full weeks with an experienced, highly professional teacher in appropriate classroom settings that reflect early childhood experiences for which the teacher candidate will be licensed. Successful completion of clinical practice will be assessed by how well the candidate will organize content knowledge through appropriate activities and instructional materials that assure pupil learning, create fairness, and rapport so the learning environment is optimal for student learning, use instructional time effectively so pupil learning connects with the content and leads to extended learning, and evaluate his/her own teaching for greater effectiveness and personal efficacy. Continuous supervision and assessment will be provided by the cooperating teacher, as well as assessment observations by and conferences with the university supervisor. Teacher candidate will attend university seminars during this experience. (Fall, Spring)

**EDU 48801-03 Selected Topics in Education.** (1-3 Credit Hours) Study of topics not included in the regular curriculum offerings. A group of students or the instructor may select the field of study. Prerequisite: Permission of instructor and School Chair. (On Demand)

**EDU 48902 Portfolio (concurrent with Clinical Practice).** (2 sem. hrs.) This course requires the teacher candidate to present a completed professional portfolio (developed throughout the four-year professional training program) to a panel of School of Education Faculty. The portfolio must mirror evidence of knowledge, skills, and dispositions developed by the Ohio State Department of Education and reflected in the Conceptual Framework of the University of Rio Grande. The ten categories in the state model are: subject matter, student learning, diversity of learners, planning instruction, instructional strategies, learning environment, communication/technology, collaboration, assessment, professional development, and student support. Additional collaboration and official documents related to teacher education/personal information/goals are showcased. Portfolio Benchmark III is assessed. (Fall, Spring)

**EDU 48910 Clinical Practice: ECE/ISK-12** (concurrent with EDU 48902). (10 sem. hrs.**)** Clinical Practice is the capstone experience for the teacher candidate. The candidate will be totally involved for twelve (12) full weeks with an experienced, highly

professional teacher in appropriate classroom settings that reflect early childhood experiences for which the teacher candidate will be licensed. Successful completion of clinical practice will be assessed by how well the candidate will organize content knowledge through appropriate activities and instructional materials that assure pupil learning, create fairness, and rapport so the learning environment is optimal for student learning, use instructional time effectively so pupil learning connects with the content and leads to extended learning, and evaluate his/her own teaching for greater effectiveness and personal efficacy. Continuous supervision and assessment will be provided by the cooperating teacher, as well as assessment observations by and conferences with the university supervisor. Teacher candidate will attend university seminars during this experience. (Fall, Spring)

**EDU 49210 Clinical Practice in the Middle Childhood Setting** (concurrent with EDU 48902). (10 sem. hrs.) Clinical practice is the capstone experience for the teacher candidate. The teacher candidate will be totally involved for twelve (12) full weeks with an experienced, highly professional teacher in an appropriate classroom setting for which the teacher candidate will be licensed. Successful completion of clinical practice will be assessed by how well the teacher candidate will organize content knowledge through appropriate activities and instructional materials that assure pupil learning, create fairness and rapport so the learning environment is optimal for student learning, use instructional time effectively so pupil learning connects with the content and leads to extended learning, and evaluate his/her own teaching for greater effectiveness and personal efficacy. Continuous supervision and assessment will be provided by the cooperating teacher, as well as assessment observations by and conferences with the university supervisor. Teacher candidates will attend university seminars during this experience. Instructor permission only. (Fall, Spring)

**EDU 49310 Clinical Practice in the Adolescent to Young Adult Setting** (concurrent with EDU 48902). (10 sem. hrs.**)** Clinical practice is the capstone experience for the teacher candidate. The teacher candidate will be totally involved for twelve (12) full weeks with an experienced, highly professional teacher in an appropriate classroom setting for which the teacher candidate will be licensed. Successful completion of clinical practice will be assessed by how well the teacher candidate will organize content knowledge through appropriate activities and instructional materials that assure pupil learning, create fairness and rapport so the learning environment is optimal for student learning, use instructional time effectively so pupil learning connects with the content and leads to extended learning, and evaluate his/her own teaching for greater effectiveness and personal efficacy. Continuous supervision and assessment will be provided by the cooperating teacher, as well as assessment observations by and conferences with the university supervisor. Teacher candidates will attend university seminars during this experience. Taken concurrently with EDU 33302 and EDU 48901. (Fall, Spring)

**EDU 49410 Clinical Practice: Visual Arts** (concurrent with EDU 48902). (10 sem. hrs.) Clinical practice is the capstone experience for the teacher candidate. The teacher candidate will be totally involved for twelve (12) full weeks with an experienced, highly professional teacher in an appropriate classroom setting for which the teacher candidate will be licensed. Successful completion of clinical practice will be assessed by how well the teacher candidate will organize content knowledge through appropriate activities and instructional materials that assure pupil learning, create fairness and rapport so the learning environment is optimal for student learning, use instructional time effectively so pupil learning connects with the content and leads to extended learning, and evaluate his/her own teaching for greater effectiveness and personal efficacy. Continuous supervision and assessment will be provided by the cooperating teacher, as well as assessment observations by and conferences with the university supervisor. Teacher candidates will attend university seminars during this experience. Instructor permission only. (Fall, Spring)

**EDU 49510 Clinical Practice: Health Education** (concurrent with EDU 48902). (10 sem. hrs.) Clinical practice is the capstone experience for the teacher candidate. The teacher candidate will be totally involved for twelve (12) full weeks with an experienced, highly professional teacher in an appropriate classroom setting for which the teacher candidate will be licensed. Successful completion of clinical practice will be assessed by how well the teacher candidate will organize content knowledge through appropriate activities and instructional materials that assure pupil learning, create fairness and rapport so the learning environment is optimal for student learning, use instructional time effectively so pupil learning connects with the content and leads to extended learning, and evaluate his/her own teaching for greater effectiveness and personal efficacy. Continuous supervision and assessment will be provided by the cooperating teacher, as well as assessment observations by and conferences with the university supervisor. Teacher candidates will attend university seminars during this experience. (Fall, Spring)

**EDU 49610 Clinical Practice: Physical Education** (concurrent with EDU 48902). (10 sem. hrs.) Clinical practice is the capstone experience for the teacher candidate. The teacher candidate will be totally involved for twelve (12) full weeks with an experienced, highly professional teacher in an appropriate classroom setting for which the teacher candidate will be licensed. Successful completion of clinical practice will be assessed by how well the teacher candidate will organize content knowledge through appropriate activities and instructional materials that assure pupil learning, create fairness and rapport so the learning environment is optimal for student learning, use instructional time effectively so pupil learning connects with the content and leads to extended learning, and evaluate his/her own teaching for greater effectiveness and personal efficacy. Continuous supervision and assessment will be provided by the cooperating teacher, as well as assessment observations by and conferences with the university supervisor. Teacher candidates will attend university seminars during this experience. Instructor permission only. (Fall, Spring)

**EDU 49901-05 Directed Studies in Education** (elective). (1-5 sem. hrs.) Directed individual projects or research in some aspects of professional education. Prerequisites: Senior class standing, seeking teacher licensure, and permission of School Chair. (On Demand)

## ELE - Electronic Technology

**ELE 10103 Basic Electricity/Electronics.** (3 sem. hrs.) An introduction to the basic principles of electricity and electronics. Topics include units and notation, current, voltage, resistance, Ohm's Law, power, energy, circuit protection, wire sizing, series and parallel circuits, capacitance, inductance, impedance, alternating current, three-phase electrical systems, transformers, single-phase motors, and three-phase motors. Two-hour lecture, two-hour lab. Prerequisite/Co-requisite: TEC 11704 or MTH 11403. Course fee required. (Fall)

**ELE 10303 Microcomputer Hardware.** (3 sem. hrs.) A study of Intel based microcomputers. Topics include: history, microprocessor performance, memory architecture, I/O mapping, interrupts, motherboard design, bus architecture, power supplies, logical troubleshooting, memory, floppy drives, sound cards, video standards, networking security standards and printer technologies. This course is designed to introduce students to hardware and operating systems used in microcomputers and prepare them to pass the CompTIA A+ certification examination. Two-hour lecture, two-hour lab. Course fee required. (Spring)

**ELE 11303 Introduction to Networking** (3 sem. hrs.) This course first introduces the fundamental building blocks that form a

modern network, such as protocols, media, topologies, and hardware. It then provides in depth coverage of the most important concepts in contemporary networking, such as TCP/IP, Ethernet, wireless transmission, virtual networks, security, and troubleshooting. Upon completing this course, students will be prepared to select the best network design, hardware, and software for an environment. They will also have the skills to build a network from scratch and maintain, upgrade, troubleshoot, and manage an existing network. Finally, they will be well-prepared to pass CompTIA's Network+ N10-007 certification exam. Specific topic coverage includes: introduction to networking, network infrastructure and documentation, addressing on networks, network protocols and routing, network cabling, wireless networking, virtualization and cloud computing, subnets and VLANs, network risk management, security in network design, network performance and recovery, and wide area networks. Fall

**ELE 21103 Programmable Controllers I.** (3 sem. hrs.) A study of the operational characteristics of commercially available programmable logic controllers. Major emphasis will include conversion of machine control logic diagrams to PLC programs. Topics include: types of input/output modules, system configuration, peripheral devices, timers, counters, sequencers, operations, and logic operations. Two-hour lecture, two-hour lab. Course fee required. Co-requisite: ELE 25003. Fall

**ELE 21203 Programmable Controllers II.** (3 sem. hrs.) Continuation of Programmable Controllers I. Topics include: program control, data manipulation instructions, mathematical instructions, sequencer instructions, and networking. Two-hour lecture, two-hour lab. Course fee required. Prerequisite: ELE 21103. (Spring)

**ELE 21303 Computer Network Security.** (3 sem. hrs.) A course designed to introduce students to concepts associated with Internet and Intranet security. Topics include: authentication, attacks, remote access, E-mail, web security, directory services, wireless, instant messaging, infrastructure devices, secure topologies, intrusion detection, security baselines, cryptography, physical security, disaster recovery. Two-hour lecture, two-hour lab. Course fee required. (Fall)

**ELE 25003 Industrial Controls.** (3 sem. hrs.) A study of the devices used in the control of industrial machinery. Topics include: switches, control transformers, relays, contactors, solenoids, limit switches, proximity switches, pressure switches and transducers, temperature switches and transducers, timers, counters, motor starters, ladder control diagrams, bar sequence charts, and power factor correction. Two-hour lecture, two-hour lab. Course fee required. Prerequisite: ELE 10104. (Fall)

**ELE 25303 Server Virtualization.** (3 sem. hrs.) A course designed to introduce student to server virtualization concepts. Topics include: comparing virtualization technologies, Vmware server, Vmware ESXi, Citrix XenServer, Microsoft Virtual PC, Microsoft Hyper-V, VirtualBox, sever virtualization in action, desktop virtualization in action, network and storage virtualization, planning, deployment, postproduction. Four-hour lecture, four-hour lab. (Fall)

**ELE 27003 Robotics.** (3 sem. hrs.) An introduction to robotic systems. Topics include: robot terminology, coordinate systems, work envelope considerations, manipulator drive systems, programming, servo system control, gears and linkage, interfacing, end effectors, sensors, and robotic applications. Two-hour lecture, two-hour lab. Course fee required. Prerequisite: ELE 25003. (Spring)

**ELE 28801-05 Selected Topics in Electronic Technology.** (1-5 sem. hrs.) This course is a study of Electronics topics not included in other course offerings. The format for this course may be special projects, readings, a scheduled class, or a seminar. Course fee required. (On Demand)

**ELE 29001-04 Cooperative Education Experience**. (1-4 sem. hrs.) Workplace experience gained through placement into a work environment. Coordination, supervision, and evaluation conducted by a School of Technology faculty member and participating company. May be repeated once. (On Demand)

**ELE 29901-03 Directed Studies in Electronic Technology.** (1-3 sem. hrs.) Independent study and/or research under the supervision of an instructor in electronic technology. May include directed research and readings, formal in-depth study of a topic of special

interest to the student, individual projects, special educational experiences, or a practicum in which theories and their practical applications are brought together in a single educational experience. Prerequisites: Sophomore standing, the completion of at least six (6) hours in ELE courses, and permission of the instructor. Course fee may be required. On Demand.

## EMS – Emergency Medical Services

**EMS 10105 EMT Basic Theory and Current Trends in EMS.** (5 sem. hrs.) This EMT-B course is based on guidelines set by the United States Department of Transportation (DOT). The curriculum prepares students to take the appropriate national registry exam and become certified both in Ohio and nationally. Students will learn the role of the EMT-B, the EMS system, safety and well-being, legal and ethical issues, basic anatomy and physiology, techniques of safe lifting and moving of patients, airway management, patient assessment, medical emergencies, trauma, infants and children, ambulance operations, multiple casualty incidents and hazardous materials incidents. (Fall, Spring, Summer)

**EMS 10205 EMT-Basic Skills Lab.** (5 sem. hrs.) This EMT-B course is based on guidelines set by the United States Department of Transportation (DOT). The curriculum prepares students to take the appropriate national registry exam and become certified both in Ohio and nationally. Students will learn the practical application of skills required of the EMT-Basic, Body Substance Isolation and Personal Protective Equipment, CPR/AED, the use of equipment for extremity and spinal immobilization, adjuncts for airway control, use of equipment for oxygen therapy, techniques of bleeding control, proper lifting and moving of patients and proper care of medical and trauma patients. Students take this class concurrently with EMS 10105. (Fall, Spring, Summer)

## ENG - English

**ENG 10502 Reading & Writing** (2 sem. hrs.) A developmental writing and reading course which provides a foundation for effective writing and reading through emphasis on process and product. Reading and writing processes are explored, practiced, and developed in order to prepare the student for the rigor of college-level reading and writing. This course must be taken with its co-requisite ENG 11103 course. (Fall, Spring, Summer)

**ENG 11103 (TM) Composition I** (3 sem. hrs.). A writing-intensive course designed to improve critical thinking, reading, and writing skills. Students will address, in writing, the needs of different audiences in a variety of purposes and contexts. Attention will be paid, primarily, to source-based, argument-driven writing and reading in an academic context. Focus in on MLA documentation style. Determined by placement testing. (Fall, Spring, Summer)

**ENG 11203 (TM) Composition II** (3 sem. hrs.). A writing-intensive course designed to improve critical thinking, reading, and writing skills. Continued study of the writing process, focusing on cause and effect and on argument. Research writing is studied, with a focus on APA documentation style. Required: short papers and a longer, properly documented research paper. Prerequisite: ENG 11103 with a C- or better. (Fall, Spring, Summer)

**ENG 21403 Business and Technical Writing** (3 sem. hrs.). A study of the kinds of writing required in the business and technical worlds such as memos, letters, proposals, feasibility studies, progress reports, recommendations, and technical descriptions and instructions with emphasis on letters and short reports. Prerequisite: ENG 11103 with a grade of C or better. (Fall, Spring)

**ENG 22103 Creative Writing** (3 sem. hrs.). Introduction to the principles of creative writing aimed at developing the creative process with practice in writing original, creative non-fiction, fiction, short stories, poetry, screenwriting, and/or drama. Possible markets for creative writing will be explored. Students will practice individual and collaborative writing in various genres in a workshop atmosphere. Prerequisite: ENG 11103 with a grade of C or better. (Fall, Spring, Summer)

**ENG 24103 (TM) The Literary Imagination** (3 sem. hrs.**).** Students will learn how to read, analyze, respond to, and interpret various literary genres using literary terminology and concepts. Students will read a wide range of literary works from diverse times and places and be introduced to critical methods that will assist in their literary analyses. In addition, students will learn how to write critical essays that synthesize ideas presented through literature. The purpose of this class is to help students appreciate literature as well as to think critically about that literature. Prerequisite: ENG 11203 with a grade of C or better. Class may be taken concurrently with ENG 11203. (Fall, Spring, Summer)

**ENG 24703 Adolescent and Young Adult Literature** (3 sem. hrs.). A study of literature of interest to students in middle and secondary schools, including classroom presentation and book selection. Prerequisite: ENG 11203 with a grade of C or better. (Spring)

**ENG 24803 Comparative World Literature** (3 sem. hrs.). Focuses on the reading, analysis, and discussion of representative translated major works and writers, periods, and literary movements in world literature from the ancient world to the modern period with an emphasis on aesthetic, historic, and cultural ideas and values. Prerequisite: ENG 11203 with a grade of C or better. (Fall)

**ENG 25303 American Literature** (3 sem. hrs.) Focuses on major representative ideas, genres, and authors from the pre-colonial period to the present with focus on how historical, social, and cultural events influence literature and expression. Prerequisite: ENG 11203 with a grade of C- or better. Class may be taken concurrently with ENG 11203. (Spring)

**ENG 26303 British Literature** (3 sem. hrs.) Focuses on a survey of selected literary forms, authors, and works from the Medieval, Renaissance, Neo-classical, Romantic, Victorian, and Modem periods in British literature. Prerequisite: ENG 11203 with a grade

of C- or better. (Spring)

**ENG 28803 Selected Topics in English** (3 sem. hrs.) Selected topics vary and will be designated as literature, writing, or grammar for a semester. May be repeated for credit if the topic is changed. Prerequisite: ENG 12203 with a grade of C or better or permission of instructor. (Fall, Spring)

**ENG 33403 The English Language** (3 sem. hrs.). Focuses on the English language in terms of language acquisition and development; phonology, structure, linguistic change, and meanings of language; vocabulary accretion; communication purposes in both written and spoken discourses; and the application of English grammar in teaching and learning. Prerequisite: ENG 11203 with a C or better. (Fall)

**ENG 37103 Literature and Media** (3 sem. hrs.). An exploration of ways in which literature and visual culture, particularly the cinematic, mirror the complexities of human existence and meaning and work individually to influence other media. The structures and styles, themes and motifs, and philosophical preoccupations of high-modern and post- modern literary expressions and traditions, films, and some other media will be examined to provide an acquaintance with, and relationship of, the authors, works, and artistic and philosophical concepts portrayed. Prerequisite: ENG 11203 with a grade of C or better. (Fall)

**ENG 38103 Professional Writing** (3 sem. hrs.). An in-depth study, practice, and workshop in written communication within a professional context in the areas of creative writing, professional writing, and multimedia writing. Prerequisite: ENG 11203 with a grade of C or better. (Spring)

**ENG 49003 Literature and Writing Seminar** (3 sem. hrs.). A review of career options and strategies. Requires development and completion of a writing project to be included in the Major Portfolio, completion of a comprehensive major exam, and completion and submission of the Major Portfolio. Prerequisite: ENG 11203 with a grade of C or better. (Fall)

## ENT - Entrepreneurship

**ENT 24403 Small Business Management.** (3 sem. hrs.) Practical methods of organizing, financing, and operating the small-scale enterprise. Prerequisite: BM 20403. This course was previously listed as BM 24403. Lab fee required. (Fall)

**ENT 44403 Small Business Management.** (3 sem. hrs.) Practical methods of organizing, financing, and operating the small-scale enterprise. Prerequisite: BM 20403. This course was previously listed as BM 24403. Additional project work will be done in ENT 44403. (Fall)

## ESL – English as Second Language

**ESL 11103 Basic Integrated Skills in English** (3 sem. hrs.) This is a basic English course for non-native speakers of English. It focuses on reading, writing, listening, speaking and critical thinking skills. In this course students practice basic reading strategies to help them understand simple academic texts, learn academic vocabulary related to those texts, and practice writing organized paragraphs. They also listen to videos and other aural materials about varied topics and discuss them. As they practice these skills, they engage in critical thinking by expressing and supporting their opinions, and connecting the topics in the book to their own personal experiences. Student must be interviewed by ESL Director to be placed in this course. Concurrent with ESL 28802-1. (Fall, Spring)

**ESL 12103 Intermediate Integrated Skills in English** (3 sem. hrs.) This is an intermediate English course for non-native speakers of English. It focuses on reading, writing, listening, speaking and critical thinking skills. In this course students review basic and practice more complex reading strategies to help them understand more complex ideas in academic texts, learn academic vocabulary related to those texts, and practice writing short essays. They also listen to videos and other aural materials about varied topics, discuss them and practice making a class presentation. As they practice these skills, they engage in critical thinking by relating ideas from text, videos, and aural materials to their personal experiences, recognizing relationships between different pieces of information, and analyzing the meaning of text. Prerequisite: ESL 11103 with a grade of B or better or placement by ESL Director. Concurrent with ESL 28802-1. (Fall, Spring)

**ESL 13103 High Intermediate Integrated Skills in English** (3 sem. hrs.) This is a high-intermediate English course for non-native speakers of English. It focuses on reading, writing, listening, speaking and critical thinking skills. In this course students practice more complex reading and writing strategies to help them understand more complex and longer academic texts and write summaries, reactions, and essays with and without research. They also listen to videos and other aural materials about varied topics; they discuss these topics and make presentations about varied topics. As they practice these skills, they engage in critical thinking such as distinguishing facts from opinions, interpreting academic texts, and synthesizing information from multiple sources. Prerequisite: ESL 12103 with a grade of B or better or placement by ESL Director. Concurrent with ESL 28802-2. (Fall, Spring)

**ESL 14103 Advanced Skills in English** (3 sem. hrs.) This is an advanced English course for non-native speakers of English. It focuses on reading, writing, listening, speaking, and critical thinking skills. In this course students continue to practice reading and writing strategies to help them understand more authentic, complex, and longer academic texts. They practice writing timed responses, a summary reaction, and a research-based argumentative essay. They also listen to videos and other aural materials about varied academic and non-academic topics; they discuss these topics and make a formal presentation about an academic topic related to their major. These assignments provide

less scaffolding as the semester progresses since one of the main objectives of this course is to make students more autonomous and responsible learners. By taking this course, students become progressively more successful in their courses. Prerequisite: ESL 13103 with a grade of B or better or placement by ESL Director. Concurrent with ESL 28802-2. (Fall, Spring)

**ESL 28801-03 Selected Topics in ESL** (1-3 sem. hrs.) Selected topics in ESL such as English language seminar or study skills for non-native English speakers. Prerequisite: Placement by ESL Director. (Fall, Spring)

## FIN - Finance

**FIN 20103 Principles of Banking.** (3 sem. hrs.) This course is designed to provide students with an introduction and overview to the principles, concepts, and operations of banking. It includes information concerning the structure, purposes, and economic environment in which commercial banks operate. The financial products and services provided to consumers and businesses will be presented. Ethical and regulatory issues will also be considered. (Fall)

**FIN 20403 Financial Management.** (3 sem. hrs.) Fundamental concepts of Financial Management, time value of money, stock valuation, bond valuation, risk and return financial analysis, and working capital management. Prerequisite: ACC 12403. Lab fee required Fall/Spring

**FIN 21103 Money and Banking.** (3 sem. hrs.) This course is designed to provide students with an introduction and overview to the function of money and banking in the U.S. economy. It includes information concerning the types of financial institutions, the role of saving and lending, and the features of a bank's balance sheet and income statement. The role and function of the Federal Reserve in influencing monetary and fiscal policies will be presented. The importance of bank regulation as well as international banking will also be considered. (Fall)

**FIN 21403 Principles of Investment.** (3 sem. hrs.) The investment environment, risk and return, markets, and portfolio analysis. (Fall, Spring)

**FIN 22103 Banking Laws and Regulations.** (3 sem. hrs.) The purpose of this course is to provide critical information concerning the banking laws and regulations in today's financial environment. This course considers how banks, are affected by laws and regulations. It provides an overview of the basic laws and banking regulations that govern deposit accounts, lending, real estate lending, bankruptcy, non-deposit products and services, international banking, marketing, safety and soundness, and information reporting. (Spring)

**FIN 22503/32503 General Principles of Financial Planning** (3 sem. hrs.) This course provides a comprehensive examination of the general principles of financial planning, professional conduct and regulation, and education planning. These topics constitute thirty percent of the principle knowledge topics tested on the CFP® Certification Examination. The course introduces students to the financial planning process and working with clients to set goals and assess risk tolerance. In addition, students will learn to process and analyze information, construct personal financial statements, develop debt management plans, recommend financing strategies, and understand the basic components of a written comprehensive financial plan. The course also covers the regulatory environment, time value of money, and economic concepts. Prerequisites: FIN 21403

**FIN 23403/33403 Risk Management and Insurance Planning** (3 sem. hrs.) This course provides a comprehensive examination of the general principles of risk management and insurance planning for individual and family clients. These topics constitute approximately seventeen percent of the principal knowledge topics tested on the CFP® Certification Examination. The course first introduces students to the risk management and insurance planning process and working with clients to analyze and evaluate risk exposures. Second, the core insurance lines of coverage are explored in detail, including: health, disability, long-term care, life, and personal property and casualty (homeowners', personal auto policy, etc.). In addition, the student will learn to analyze an individual and family's insurance needs, to select the most appropriate insurance policy and company, and to understand a business owner's use of insurance to protect the business' assets and future income. Prerequisites: FIN 21403

**FIN 23503/33503 Retirement Savings and Income Planning** (3 sem. hrs.) This course is designed to provide students with the foundation to conduct a retirement needs analysis for individuals, to understand the different types of retirement plans available to individuals, and to recognize the key factors that affect retirement plan selection for business owners. Students will be able to evaluate and compare the characteristics of various retirement plans, address client suitability, and provide plan recommendations. The course covers tax-deferred retirement plans, IRAs, nonqualified plans, Social Security, Medicare, Medicaid, distribution strategies, taxation of distributions, and regulatory considerations. In particular, the course covers strategies used by financial planners to help clients assess employee benefits and to reduce the tax burden while planning for retirement. Topics include retirement needs analysis; defined benefit and contribution plans; profit sharing; 401k; 403b; ESOP; IRA; SEP-IRA; Roth-IRA; Keogh; TSA; social security benefits and integration; vesting; employee benefits analysis; funding vehicles; plan installation and administration; asset balancing; buy-sell agreements, ERISA; stock redemption and cross-purchase plans; evaluation of retirement timing; life-cycle planning; retirement lifestyle issues; distribution planning; and post-retirement financial and qualitative assessment of needs. Prerequisites: FIN 21403

**FIN 23603/43603 Estate Planning** (3 sem. hrs.) This course provides an introduction to federal gift, estate, and generation-skipping transfer taxes and the many planning techniques used to

minimize the impact of these taxes on transfers of wealth. It also explores the income-tax effects of gifts and bequests, with particular attention to the limitations on income-shifting to family members. The non-tax aspects of estate planning, including the estate planning process, property ownership, planning for incapacity, and planning for business owners are examined as are the need for estate planning documents for individuals, spouses, and unmarried couples. The course stresses the need for balancing tax and non-tax considerations in creating successful estate plans. Prerequisites: FIN 21403

**FIN 24403/34403 Investment Planning** (3 sem. hrs.) The course is designed for students interested in pursuing careers in the financial planning and asset management profession. The course and curriculum are approved by the CFP® Board of Standards and meet one component of the educational requirement for becoming a Certified Financial Planner. This course explores the securities market, sources of information, risk/return, stocks, bonds, options, futures, and security analysis, and culminates in portfolio construction and analysis. You will learn how to evaluate different asset classes for different investment objectives and determine their suitability for investors considering investment goals, time horizons, risk tolerance, and tax situations. Prerequisites: FIN 21403

**FIN 24503/34503 Tax Planning** (3 sem. hrs.) This course covers taxation for individuals, sole proprietorships, partnerships, and corporations, as well as the tax aspects of investments, insurance, annuities, and retirement planning. Students will be able to identify the likely tax consequences of personal and business financial activities and select appropriate and lawful tax- minimizing tactics and strategies. Prerequisites: FIN 21403

**FIN 26403/36403 Consumer Lending.** (3 sem. hrs.) The purpose of this course is to introduce students to the essentials of consumer lending and explain the important and relevant features, processes, and laws. Students will learn the features and benefits of consumer loan products and operations, including closed-end and open-end loans, direct and indirect lending, and secured lending. The course presents the consumer lending process from generating and processing loan applications to loan closing, documentation, collection, and recovery. It also reviews the credit investigation, loan evaluation, and decision-making processes. The customer relationship building as well as the laws and regulations that affect lending will be studied. (Spring)

**FIN 27503/47503 Financial Plan Development** (3 sem. hrs.) This course provides students an opportunity to demonstrate the knowledge learned through the prerequisite six-course CFP® curriculum. Students will participate in developing a complete financial plan, through the use of case studies and interviewing mock clients. Presentations of a formal financial plan, demonstrating the ability to set client expectations and communicate with clients by answering questions and concerns, are also required. Prerequisites: FIN 22403/32403, FIN 23403/33403, FIN 24403/34403, FIN 24503/34503, and FIN 23503/33503. May be taken concurrently with FIN 23603/43603

**FIN 28403/38403 Commercial Lending.** (3 sem. hrs.) This course provides an overview of the nature and components of commercial lending. Business clients, their industry areas and organizational structures are discussed. Building and maintaining client relationships as well business banking organizational structures, administrative processes, documentation, and risk management are presented. The course also considers the economic factors important to commercial lending markets, regulators and regulations, and loan interviewing and negotiation. The basic analysis of income and balance sheet statements, ratios and cash flow analysis is presented. Also included are loan structuring, documentation, closing and support, and identifying and handling problem loans. (Spring)

**FIN 35403 Financial Administration of Health Care Facilities** (3 sem. hrs.) Provides the interpretation and application of accounting, financial concepts, and reimbursement systems for health care facilities. Students will have an introduction to strategic financial planning for health care organizations. Prerequisite: FIN 20403 (Fall)

## FPA - Fine and Performing Arts

**FPA 10503 (TM) Fine Arts.** (3 sem. hrs.) This course is a study of the growth and development of Western Culture as defined in Fine Arts: Music, Painting, Dance, Theatre, Sculpture, and Architecture. Course fee required. (Fall, Spring)

## HCA- Health Care Administration

**HCA 21104/31104 Fundamentals of Health Care** (4 sem. hrs.) This course covers a variety of managerial concepts, including the role of management in health care, leadership styles, leadership competencies, ethical responsibility, management and motivation, organizational behavior, strategic planning, marketing, quality improvement, information technology, financing health care and health insurance, financial management, managing health care professionals, cultural proficiency, health care law, fraud and abuse. This course will provide students with a broad knowledge of the many components of health care administration that will be further developed in subsequent HCA courses. (Fall)

**HCA 21204/31204 Administration of Acute Care Facilities** (4 sem. hrs.) This course guides students through the inner workings of the modern acute care hospital. Topics of discussion will include: the history of hospitals; roles of management, physicians, nurses, and staff; administrative services and financial services. This course will explore the vital collaboration between health care providers and diverse practices including clinical laboratory science, pharmacy, physical therapy, and social services, while evaluating the relationship of quality, efficiency, and cost. (Spring)

**HCA 31303 Population Health** (3 sem. hrs.). This course discusses an important emerging discipline known as population health. Population health considers the distribution, determinants, interventions, and policies that affect health outcomes across a population. Students will be provided with multiple perspectives in population health, including current concepts such as quality, patient safety, and risk management. (Spring)

**HCA 41104 Concepts in Acute Care Facilities** (4 sem. hrs.) This course concentrates on leadership in a health care organization, allowing the opportunity for further development of critical thinking skills and reinforcement of management principles. Case studies and current health care scenarios will be major component for student learning in this course. (Spring)

**HCA 41203 Health Care and the Aging Patients** (3 sem. hrs.). This course discusses various aspects of aging, the knowledge of which is essential for all individuals working in various healthcare settings. The courses focus on trends in aging population, theories of aging, and effect of gender and culture on aging. A detailed discussion about various age-related changes and health assessment is included. Interventions for aging individuals with chronic diseases, inadequate nutrition and mobility, and pain will be discussed. Various residential options for aging individuals, environmental safety and security, prevention of falls, and elder abuse and neglect will be covered in detail. Finally, many issues related to death and dying, and ethical and legal issues related to loss, grief, and bereavement in aging individuals will be another focus of this course. (Fall)

## HIS - History

**HIS 12103 American History I (To 1877).** (3 sem. hrs.) Political, diplomatic, social, and economic development of Anglo-America through the colonial period and early national era of the United States to Reconstruction. (Fall, Spring)

**HIS 12203 (TM) American History II (From 1877).** (3 sem. hrs.) Political, diplomatic, social, and economic development of the United States from Reconstruction through the present. (Fall, Spring)

**HIS 13103 (TM) World Civilization I**. (3 sem. hrs.) Survey of intellectual, religious, philosophical, political, economic, scientific, and social achievements of World Civilizations from the ancient world to the emergence of new world patterns at the beginning of the sixteenth century. This course includes the Americas, Europe, Africa, and Asia. (Fall, Spring)

**HIS 13203 (TM) World Civilization II**. (3 sem. hrs.) Survey of intellectual, religious, cultural, philosophical, political, economic, scientific, and social achievements of World Civilizations from the sixteenth century to present. This course includes the Americas, Europe, Africa, and Asia. (Fall, Spring)

**HIS 22503 History of Ohio**. (3 sem. hrs.**)** A survey of Ohio's history from the pre-Columbian mound builders through the present with an emphasis on the geographic, governmental, cultural, and economic aspects of Ohio's history. (Spring)

**HIS 22603 Native Americans** (3 sem. hrs.) This course is intended to introduce students to the major events related to the history of Native Americans. The focus of the course will be on those native peoples living in the area that is the current United States, their distinct cultures, and the effect on them of European colonization. Students will address the material through lectures, primary documents, secondary readings, discussions, and films.

**HIS 23703 Introduction to the Study of History.** (3 sem. hrs.) This course introduces key historical concepts and skills, such as the nature and types of History; historical periodization; the reading and analysis of primary and secondary sources; research, writing, and documentation styles; the basic use of the computer for historical research and writing; and History as a profession. (Fall)

**HIS 26303 The Habsburg Empire 1526-1918** (3 sem. hrs.) The Habsburg Empire ruled much of Central Europe from the Reformation to the beginning of the 20th century. This course explores the empire from its beginning under Emperor Maximilian I, who built the empire with his marriage alliances and constant warring, to the empire's collapse following the end of World War I. Students will examine the empire's battles with the Ottoman Empire, its wars against Napoleon, the crisis of nationalism in a multinational state, and the breakup of the empire following the Great War. Attention will also be given to "Fin-de-siecle" Vienna, which saw an unprecedented cultural and intellectual flowering that produced the birth of modernism. (On Demand)

**HIS 26403 The Ottomans** (3 sem. hrs.) This course covers the history of the Ottoman Empire. Students will study the formation and consolidation of the Ottoman polity as an imperial entity, its gradual transformation into an imperial power, the complex social and political transformations it went through, the emergence of independent nation-states in its former territories, and the legacy it left behind. Even though the course is mainly chronological in its structure, extensive discussions of social and economic life, law, practices of government, ideology, arts and sciences, and historiography will be included. (On Demand)

**HIS 32103 American Cultural History I** (3 sem. hrs.) The intellectual, scientific, aesthetic, and religious development of American Culture from the colonial period to the middle of the nineteenth century. (Fall)

**HIS 32203 American Cultural History II** (3 sem. hrs.) The intellectual, scientific, aesthetic, and religious development of American culture from the middle of the nineteenth century to the present. (Spring)

**HIS 36103 Europe in the 19th and 20th Centuries** (3 sem. hrs.) This course is designed to provide students with the fundamental understanding of European political, cultural, intellectual and economic developments since the French Revolution. Along with the consideration of major events and figures, attention will be paid to the experience of ordinary people in times of upheaval and transition. The period will be thus be viewed neither in terms of

historical inevitability nor as a procession of great men, but rather through the lens of the complex interrelations between demographic change, political revolution, and cultural development. (On Demand)

**HIS 36203 The Great Powers and the Eastern Question** (3 sem. hrs.) This diplomatic history course will look at the Eastern Mediterranean as a center of Great Power confrontation. The Eastern Question refers to the decline of the Ottoman Empire and the consequences of its decline on the European continent. It was the most significant diplomatic problem posed in the 19th and 20th centuries by the disintegration of the Ottoman Empire, centering on the contest for control of former Ottoman territories. Any internal change in the Turkish domains caused tension among the European powers, each of which feared that one of the others might take advantage of the political disarray to increase its own influence. It was the cause of the Crimean War, the only war involving the Great Powers in the 19th century, and a direct cause of the Great War. (On Demand)

**HIS 37103 The West in Crisis, 1900-1945** (3 sem. hrs.) This course provides an in-depth study of European history from 1900 through 1945, with emphasis on Britain, France, Germany, and Russia. Topics include Belle Epoque politics, society, and culture; the Great War of 1914; the politics of peace-making and the Treaty of Versailles; he 1917 revolutions in Russia, the civil war, and Stalin's Revolution; inter-war culture and society; the depression of 1929; fascism, with special emphasis on the Nazi Movement in Germany; the diplomacy of the 1930s; and the Second World War. (On Demand)

**HIS 37203 Nazi Germany** (3 sem. hrs.) This course is an in-depth analysis of Germany during the Nazi period (1933-1945). It begins with a chronological overview of Nazi Germany, from its origins during the Weimar Republic to its destruction at the end of World War II. The course's central section focuses on the discussion and analysis of primary materials dealing with selected aspects of the Nazi period, such as ideology, family life and women, education, propaganda, the arts, the war, and the Holocaust. The course concludes with an evaluation of the Nazi legacy, and it considers, among other topics, the problem of writing the history of Nazi Germany. (On Demand)

**HIS 37303 The Interwar Period, 1919-1939** (3 sem. hrs.) This course examines the history of Europe during the interwar period which begins at the end of the First World War and continues to the outbreak of the Second World War. The course covers the major political, social, and cultural developments as well as the diplomatic and economic crises of the period. The course aims to engage in the various interpretations and complexities of inter-war Europe. It begins with a discussion of the effects of the Treaty of Versailles, the collapse of empires, and the creation of new national states. It will pay close attention to the rise of totalitarian ideologies and the failure of liberal democracy and capitalism. While this period witnessed an increase in political violence, it also saw an explosion of creativity, technological expansion, and utopian social cultural projects.

**HIS 37403 The Cold War** (3 sem. hrs.) The course will introduce students to the history of the Cold War from 1945 to 1991. We will study the Cold War as a political, ideological, economic, cultural, and military contest on a global scale. This course will examine specific problems such as how to rethink area divisions rooted in the Cold War and colonial eras. With the collapse of the Soviet Union and the conclusion of the Cold War, students have the opportunity to study this conflict as a finite historical period from beginning to end, and to use new documentary sources to study the viewpoints and perspectives of all the major participants.

**HIS 41103 War and Genocide** (3 sem. hrs.) For years, genocide mainly referred to the Nazi attempt to exterminate the Jews during World War II. However, events in Eastern Europe, Central Africa, and elsewhere have drawn scholars' attention to genocide as a political phenomenon that may be studies across regions and time periods. This course will examine war and genocide in the 20th century. It is designed to introduce students to the major debates surrounding the study of genocide. This course will examine the psychological, cultural, and societal roots of human cruelty, mass violence, and genocide. We will examine the questions of what enables individuals collectively and individually to perpetrate evil and examine the impact of apathetic bystanders on human violence.

**Topical Studies in History**. Topics from local through world histories. Topics are announced in the schedule. Prerequisite: Nine (9) credit hours in history or permission of instructor. *At least one* topical studies course is offered each semester. Specific topics are added to these general categories (listed below) when a course is listed on a class schedule. (On Demand)

**HIS 41803 Europe**

**HIS 42803 United States**

**HIS 43703 History and Historians Seminar**. (3 sem. hrs.) An examination of historians and historiographic problems with an emphasis on research methodology and changing attitudes towards the discipline of historical research. Open to seniors majoring in history or with permission of the instructor. Prerequisite: ENG 11203. (Fall)

**HIS 44803 Writing the History Paper** (3 sem. hrs.) In this class you will apply what you have learned over the last three years at Rio Grande and produce a major piece of research and writing on a historical topic, otherwise known as a senior thesis. You will meet with your professor during the first week of class to decide upon an appropriate topic for this assignment. This course will be run as a research seminar. You will be expected to participate in class discussion, but also in critiquing your classmate's work. Central to the process of researching and writing a history paper is engagement with how historians go about exploring and writing about the past. Classroom discussions and activities, as well as homework assignments and independent research work, will build the skills necessary for students to "do" history. One additional goal of the major project for this course, the research paper, is for

students to prepare papers that are able to be presented at a regional history conference.

**HIS 48101-03 History Internship** (3 sem. hrs**.)** The History Intern Program offers training and direct experience working in one of several archives, historical and genealogical societies, or museums in southern Ohio and Kentucky. Students can choose to work at a number of different locations throughout the area. These include Ross County Historical Society in Chillicothe, the Campus Martius Museum in Marietta, the Highland Museum and Discovery Center in Ashland, Kentucky, the Southeast Ohio History Center in Athens, and the Our House Tavern in Gallipolis, Ohio. Internships are also available at the University of Rio Grande Archives and Museum on the main campus. Interns work with professional staff, interact with the public, conduct research, provide administrative support, and learn about local and regional history. Students considering a career in museum or archival studies are encouraged to apply.

**HIS 48801-03 Selected Topics in History**. (1-3 sem. hrs.) Topics to be announced in the schedule. (On Demand)

**HIS 49901-03 Directed Studies in History**. (1-3 sem. hrs.) Independent study and/or research under the supervision of an instructor in History. May include directed research and readings, formal in-depth study of a topic of special interest to the student, individual projects, special educational experiences, or a practicum in which theories and their practical applications are brought together in a single educational experience. Prerequisites: Junior or Senior standing and the completion of at least twelve (12) hours in the discipline, as well as sponsorship by an instructor and approval of the Dean of the College of Arts and Sciences. (On Demand)

## HPE - Health and Physical Education

**HPE 10000 Field Experience: College I.** (0 sem. hrs.) During this course, the student will assist in teaching the University level course HPE 10101. This is a supervised, twenty (20) clock-hour field experience. (Fall, Spring)

**HPE 10101 Human Wellness and Physical Fitness.** (1 sem. hrs.) This course presents scientific information concerning the need for physical activity. It offers the opportunity for the assessment of personal fitness and presents various approaches to fitness, including an introduction to a variety of lifetime sport activities. Course fee required. (Fall, Spring, Summer)

**HPE 10202 Introduction to Health Education.** (2 sem. hrs.) This course is an introduction to professional career opportunities in personal health, community health, and school health education. Content will cover the historical development, philosophy, and resource knowledge in each area. A thorough investigation of professional career opportunities will be included. (Fall)

**HPE 10402 Introduction to Sport and Exercise Professions**. (2 sem. hrs.) This course is an introduction to the fields of commercial fitness, school health, and physical education. It includes a brief overview of the historical development and the general body of knowledge in each field. It also includes a thorough investigation of the professional career opportunities in each area. (Fall, Spring)

**HPE 11101 Archery.** (1 sem. hrs.) This activity course teaches the basic skills of archery. Course fee required. (Fall, Spring)

**HPE 11201 Beginning Swimming.** (1 sem. hrs.) This activity course teaches the basic skills in swimming. (Fall, Spring)

**HPE 11301 Intermediate Swimming.** (1 sem. hrs.) This activity course teaches intermediate skills in swimming. Spring

**HPE 11402 Lifeguard Training.** (2 sem. hrs.) This activity course teaches the basic skills in lifeguard training. Course fee required. (Spring)

**HPE 11601 Golf.** (1 sem. hrs.) This activity course teaches the basic skills of golf. Course fee required. (Fall, Spring)

**HPE 11701 Swimming for Physical Fitness.** (1 sem. hr.**)** This course is designed to provide students who can already swim with an opportunity to improve their aerobic (cardiovascular) fitness through distance swimming exercise. Lap swimming will be the major activity in this course. Knowledge and skills related to personal water safety will be covered. (Fall, Spring)

**HPE 11801 Aikido.** (1 sem. hr.) This activity course teaches the basic skills of Aikido. Course fee required. (Fall, Spring)

**HPE 11901 Folk and Social Dance.** (1 sem. hr.) This activity course teaches the basic skills of folk and social dance. Course fee required. (Spring)

**HPE 12301 Tennis.** (1 sem. hr.) This activity course teaches fundamental skills, basic strokes, strategy rules, and etiquette of tennis. (STUDENT MUST FURNISH RACQUET). (Fall, Spring, Summer)

**HPE 12401 Badminton.** (1 sem. hr.) This activity course teaches the basic skills of badminton. Course fee required. (Fall, Spring)

**HPE 13101 Conditioning for Physical Fitness.** (1 sem. hr.) This course is an activity course that teaches basic conditioning for physical fitness. (Fall, Spring)

**HPE 13301 Racquetball.** (1 Credit Hour) This activity course teaches the basic skills of racquetball. Course fee required. (Fall, Spring)

**HPE 13401 Weight Training.** (1 sem. hr.) This activity course teaches the basic skills of weight training. (Spring)

**HPE 15103 Team Sports I.** (3 sem. hrs.) This course is an activity course that provides an introduction to the knowledge and skills in: soccer, volleyball, and touch football. Course fee required. (Fall)

**HPE 16103 Team Sports II.** (3 sem. hrs.) This course is an activity course that provides an introduction to the knowledge and skills in: basketball, softball, and track/field. Course fee required. (Spring)

**HPE 16203 Nutrition.** (3 sem. hrs.) This course is a study of the utilization of food for the body, food as a source of energy, and the nutrients required for life processes. Emphasis will be placed on identifying the composition of foods and the effect of foods on growth and maintenance of good health. Students are required to keep a daily food diary to heighten their awareness of their eating habits. The students will be able to identify nutrients through reading food labels and be able to use the food pyramid to plan healthy meals. (Fall, Spring, Summer)

**HPE 19801 Walking for Physical Fitness.** (1 sem. hr.) This course is designed to provide students with an opportunity to learn lifetime exercise skills, and improve their aerobic fitness through walking exercise. Students will receive instruction in pace and walking techniques. (Fall, Spring, Summer)

**HPE 20000 Field Experience: College II.** (0 sem. hrs.) During this course, the student will assist in teaching one University level Physical Fitness or sport activity course. This is a supervised, twenty (20) clock-hour field experience. (Fall, Spring)

**HPE 20103 Physical Education Class Activities, Ages 3 – Grade 9.** (3 sem. hrs.) In this course, instruction will focus on Physical Education activities that are appropriate for children of ages 3 – grade 9. Topics include: introductory gymnastic skills, basic non-locomotor and locomotor skills, rhythmic activities, dance, games of low organization, lead-up games, and physical fitness activities. Course fee required. (Fall, Spring)

**HPE 21403 Personal & Community Health.** (3 sem. hrs.) This course is designed to clarify personal needs and values in light of current research and questions in the areas of mental and emotional health, the potential and limitations of drugs, the functioning of the human body, disease and trends in current medical practice, and nutrition. Exercise and the wellness approach are emphasized. Small groups will be utilized for discussion and study will be done through audio- visual aids. Speakers are secured from local health related agencies. (Spring)

**HPE 22201 Officiating Softball/Baseball.** (1 sem. hr.) This course is an overview of the rules, regulations, and techniques necessary for officiating softball and baseball. (Fall)

**HPE 22301 Officiating Basketball.** (1 sem. hr.) This course is an overview of the rules, regulations, and techniques necessary for officiating basketball. It may lead to OHSAA certification. (Fall)

**HPE 22401 Officiating Volleyball.** (1 sem. hr.) This course is an overview of the rules, regulations, and techniques necessary for officiating volleyball. (Spring)

**HPE 24003 Essentials in Strength & Conditioning** (3 sem. hrs.) This course is designed to provide a comprehensive overview of strength and conditioning. Emphasis is placed on the exercise sciences (including anatomy, exercise physiology, and biomechanics). This course will provide in depth knowledge on concepts related to strength and conditioning exercise techniques including; warm-up and stretching techniques, resistance training and spotting techniques, programming for general muscular strength, endurance and hypertrophy proper sets, repetitions, loads, rest intervals and recovery. In addition, topics related to fitness center facility organization, design and risk management will be covered. (Spring)

**HPE 24103 Concepts in Exercise Science I** (3 sem. hrs.) This will be a lecture/discussion course presenting fundamental exercise science information including the topics of functional anatomy, introductory concepts of exercise physiology, basic nutrition, weight management, body composition and pre-exercise screening combined with hands-on classroom activities to supplement classroom lecture. This will be the first course in a 2-part sequence that will cover exam content for either the National Council on Strength and Fitness, American College of Sports Medicine or National Strength and Conditioning Association - Certified Personal Trainer Exams. (Fall)

**HPE 24203 Concepts in Exercise Science II** (3 sem. hrs.) This the second course in the - part sequence and will serve as a capstone course for associate's students where students will have the opportunity to sit for either the National Council on Strength and Fitness, American College of Sports Medicine or National Strength and Conditioning Associations- Certified Personal Trainer Exam upon completion. This will be a lecture/discussion course presenting fundamental concepts in the areas of pre-exercising screening, exercise testing for the 5 health related components of physical fitness, exercise prescription, and special populations, combined with hands-on classroom activities to supplement classroom lecture. (Spring)

**HPE 24302 Safety & First Aid.** (2 sem. hrs.) This course is a study of the factors related to and affecting personal, family, and community safety and accident prevention. There will be emphasis on procedures and techniques necessary to provide immediate and temporary treatment of injury during accidents and emergency situations. It can result in Red Cross First Aid and CPR certification. Course fee required. (Fall, Spring, Summer)

**HPE 25201 Treatment of Athletic Injuries.** (1 sem. hrs.) This course covers the procedures and techniques concerned in the prevention, and immediate care and rehabilitation of injuries, which result from participating in physical activity. It includes one hour per week of arranged laboratory experience. Course fee required. (Spring)

**HPE 25802 Coaching Concepts in Sports** (2 sem. hrs.) This course assists students in the development of a full understanding of coaching theory and techniques of coaching a sport. This course will demonstrate and explore the following; budgetary applications, fund raising concepts, philosophy of coaching, media interviewing and teaching mechanical principles of skills required for sports in general and a student selected specific sport.

**HPE 26202 Drug Education.** (2 sem. hrs.) This course is an in-depth study of drug types (over-the-counter, prescription, depressants, vapors, hallucinogens, narcotics, and performance enhancing), their sources and effects on the body, dangers of

abuse, drug traffic, and drugs and law. This study is done by the professor and guest speakers, such as drug and family counselors, government officials, law enforcement officers, federal narcotic agents, medical doctors, and pharmacists. Students are encouraged to participate in each class with large or small group discussion, question and answer sessions, and different panel presentations and discussions. (Spring)

**HPE 26302 Water Safety Instructor.** (2 sem. hrs.) This course is a presentation of methods, resources, and techniques for teaching swimming and lifesaving courses. It may lead to Red Cross Water Safety Instructor Certification. Prerequisite: Current Red Cross Lifeguard Training Certificate. (Spring)

**HPE 27303 Community Health.** (3 sem. hrs.) This course is designed to organize, plan, deliver, and evaluate the community health education program. The student will become familiar with the principles of public health. (Spring)

**HPE 27502 Sex Education Seminar.** (2 sem. hrs.) This course is a detailed study of the reproductive systems and sexually transmitted infections. Students will study contraceptive methods, and learn and practice techniques for presenting this information in the schools and community. (Fall)

**HPE 28403 Administration of Physical Activity Programs.** (3 sem. hrs.) This course is an introduction to administrative theory and the application of administrative practices to school health, commercial fitness programs, and physical education programs. Particular emphasis will be placed on budget, decision-making, planning, communication, event management, and legal topics. A problem-solving approach will be employed. (Fall)

**HPE 28801-02 Selected Topics in HPE.** (1-2 sem. hrs.) This course covers special projects directed by the professor, which are related to areas in the Health and Physical Education field. It may include conducting research, assisting a professor in a research project, individual projects, or other special Health and Physical Education experiences. (On Demand)

**HPE 29901-02 Directed Studies in HPE.** (1-2 sem. hrs.) This course is an opportunity for a student to receive credit for conducting research, for assisting a professor in a research project, or for practical experience in the specific fields indicated: (A) Research in Physical Education; (B) Research in Health Education; (C) Practicum in Adapted Physical Education; (D) Practicum in Athletic Training; and (E) Administrative Intern. Course fee required. (On Demand)

**HPE 30302 Mental Health.** (2 sem. hrs.) This course is a study of models of man with normal behavior and mental disorders. Students will study the standards of mental health and how they have changed over the years – how mood- altering drugs affect the mentally handicapped. A thorough understanding by the perspective teacher of mental health is gained by engaging community mental health organizations and a presentation concerning mental health issues. The course includes topics on stress and lifestyle, gender differences, life/ death decisions, suicide, and child abuse. Small groups are utilized for discussion, field trips will be planned, and study will be done through audio-visual aids. (Spring)

**HPE 32403 Evaluation of Human Physical Performance**. (3 sem. hrs.) This course deals with the selection, construction, and administration of instruments for the evaluation of psychomotor skills and traits. Basic descriptive statistics and some computer techniques will be included. During lab sessions, students will participate in many physical performance tests. Prerequisite: MTH 21404. (Fall)

**HPE 33403 School Health Services.** (3 sem. hrs.) This course is designed to provide the student with principles of organization and administration of health appraisal, health counseling, communicable disease control, record keeping, school environment, and emergency programs. Students are asked to research specific health topics, which they orally present and defend during a panel presentation. Through firsthand experience, students rate various building maintenance systems, classroom laboratories, etc. in relation to a healthy school environment. Students also use their cumulative knowledge to produce a video/DVD on an assigned health topic. (Fall Odd)

**HPE 34403 Introduction to Biomechanics.** (3 sem. hrs.) This course deals with the description and analysis of human movements. Emphasis will be placed on: (1) human osteology, myology, and arthrology as they relate to skilled human movement; (2) mechanical principles related to skilled human movement; and (3) procedures used to analyze human movement. Prerequisite: BIO 10104 or 21404. (Spring)

**HPE 36203 Nutrition for Sports & Exercise.** (3 sem. hrs.) This course is a study of the utilization of food for the body, food as a source of energy, and the nutrients required for life processes. Emphasis will be placed on identifying the composition of foods and the effect of foods on growth and maintenance of good health. Includes a study of the advantages of proper pre- and post-competition meals. Students gain knowledge of when to take in certain fluids, and what type of foods to eat for quick energy. Students are required to keep a daily food diary to heighten their awareness of their eating habits. The students will be able to identify nutrients through reading food labels and be able to use the food pyramid to plan healthy meals. (Fall, Summer)

**HPE 40403 Exercise Physiology.** (3 sem. hrs.) This course is a study of the adaptations made by the human organism to the stress of vigorous physical activity. Information from this course will form the theoretical basis for the construction of specific exercise and physical training programs. Current research will highlight procedures that best avoid exercise-related injuries. Scheduled lab. Prerequisite: BIO 30404. (Fall)

**HPE 41103 Special Populations**. (3 sem. hrs.) This course will cover the pathophysiology, exercise contraindications/concerns/modifications, and exercise prescription for various special populations including those with

controlled cardiovascular disease, pulmonary disease, metabolic disease, musculoskeletal injury and disease, older adults and pregnant women. (Spring)

**HPE 41203 Strength & Conditioning for Athletic Performance** (3 sem. hrs.) This course is designed to provide a comprehensive overview of strength and conditioning and will primarily provide knowledge and skills needed for training for athletic performance. This course will go beyond the 5 health-related components of physical fitness, cardiorespiratory endurance, muscular strength, muscular endurance, flexibility and body composition needed for the average population of people to achieve health and prevent disease and cover training these components for athletic performance. In addition, this course will cover topics on training the performance-related components of fitness, such as, power, speed, agility and long-term periodization. (Spring)

**HPE 41403 Physical Education for Exceptional Children.** (3 sem. hrs.**)** This course is an overview of physical education and recreation programs as adapted to meet the needs of numerous types of exceptional children. This is an opportunity for students to study more detailed programs that relate specifically to the exceptional child. Actual or simulated experience with a variety of exceptional children is provided. (Spring)

**HPE 43403 Motor Learning.** (3 sem. hrs.) This course deals with the research findings and prominent theories related to the process by which motor skills are learned. Instruction will include lecture, discussion, and laboratory experiences. (Spring)

**HPE 45202 Critical Issues in Health Seminar.** (2 sem. hrs.) This course is designed to study a wide range of controversial and perplexing topics of current interest to today's health professionals. Content will include current journal information, public media topics, and Internet sources of information. Content will be supplemented with presentations by speakers from local health agencies. This course will be a seminar style class with emphasis on discussion and the presentation of information by students. (Fall)

**HPE 45403 Administration of Health Programs.** (3 sem. hrs.) This course covers the application of administrative theory and practices to the management of programs in personal health, community health, and school health education. Particular emphasis will be placed on decision-making, communication, budget, legal topics, accessing health resources, and coordinating the provision of Health Education services across a multiplicity of ages and grades. (Fall)

**HPE 48801-02 Selected Topics in HPE.** (1-2 sem. hrs.) This course covers special projects directed by the professor, which are related to areas in the Health and Physical Education field. It may include conducting research, assisting a professor in a research project, individual projects, or other special Health and Physical Education experiences. (On Demand)

**HPE 49504 Business Administration with Health Care Concentration Internship.** (4 sem. hrs.) This course provides an administrative experience under the direct supervision of an administrator in a health-related organization. Students will deal with practical aspects related to the management and operation of this organization. The student will complete supervised projects, plans, and other administrative tasks under the joint supervision of a health care facility administrator and a university faculty member. The student will spend one hundred (100) clock hours working in the business or agency setting. Prerequisites: Senior standing, 2.5 G.P.A. in the major, and permission of the instructor. (On Demand)

**HPE 49804 Sports and Exercise Internship.** (4 sem. hrs.) The Sport and Exercise Studies major will spend one hundred (100) clock-hours working in a business or agency setting. The student will deal with practical aspects related to the management and operation of this organization. Prerequisites: Senior standing, a 2.5 G.P.A. in the major, a 2.3 overall G.P.A., and permission of the instructor. (Fall, Spring)

**HPE 49901-02 Directed Studies in HPE.** (1-2 sem. hrs.**)** This course is an opportunity for a student to receive credit for conducting research, for assisting a professor in a research project, or for practical experience in the specific fields indicated: (A) Research in Physical Education; (B) Research in Health Education; (C) Practicum in Adapted Physical Education; (D) Practicum in Athletic Training; and (E) Administrative

## HON - Honors Program

**HON 10001: Welcome to Honors** (1 sem. hr.). This course is the first course for students enrolled in the Rio Grande Honors Program. The course introduces students to the Honors Program and prepares them for such program requirements as the Honors contracts and the Senior Honors Project. The class also focuses on information literacy, communication skills, and critical thinking. Prerequisites: Acceptance into the Rio Grande Honors Program. (Fall/Spring)

**HON 20101 Honors Seminar** (1 sem. hr.). Each semester this course will focus on different selected topics from a wide range of campus disciplines. These topics could be interdisciplinary, and the class may be team-taught. The student will be expected to participate in critical discussion and present information in an appropriate manner for the selected topic. The course topic will change every semester. Prerequisites: Acceptance into the Rio Grande Honors Program. (Fall, Spring)

**HON 20103 Honors Service Learning** (3 sem. hrs.) A field experience for Honors students that will help them develop leadership skills and apply educational competencies to a practical setting. Each student will spend a minimum of sixty clock hours in a service-learning experience. Sites are approved by the Director of the Honors Program and the course instructor. The class meets for one class period a week to discuss readings and share learning from their field experiences. (Spring)

**HON 40301 Senior Honors Capstone I** (1 sem. hr.**).** This course includes an extensive and comprehensive research project for an Honors student's baccalaureate degree. The student will be expected to acquire a significant body of new knowledge and

develop expertise in his/her chosen field of study. This expertise will culminate in a senior project. The course is to be completed in the senior year of the student's program of study. Students cannot graduate with the Honors designation without passing this course. Prerequisites: Acceptance into the Rio Grande Honors Program. (Fall)

**HON 40401 Senior Honors Capstone II.** (1 sem. hr.). This course is an opportunity to share the senior Honors project with the University of Rio Grande community. The course is to be completed in the senior year of the student's program of study. Students cannot graduate with the Honors designation without passing this course. Prerequisites: Acceptance into the Rio Grande Honors Program. (Spring)

## HUM - Humanities

**HUM 10103 Honors Seminar in the Humanities** (3 sem. hrs.). This course is an interdisciplinary exploration and analysis of a selected topic in the Humanities. This course designed to foster an enhanced appreciation of that specific Humanities topic across the disciplines comprising the Humanities. Topics will vary from term to term. Possible topics include, but are not limited to, Socrates, the Harlem Renaissance, or Postmodernism. Prerequisites: Acceptance into the Rio Grande Honors Program. (Spring)

**HUM 20103 (TM) The Humanities.** (3 sem. hrs.). An interdisciplinary study of the methods, issues, and central topics significant to the disciplines comprising the humanities. By exploring and connecting the different disciplinary ways of knowing in the disciplines, this course is designed to foster an enhanced appreciation of the distinctive nature of the humanities and a broad, integrated perspective. Topics may vary from term to term. (Fall, Spring)

## IND - Industrial Technology

**IND 30303 Microcomputer Hardware** (3 sem. hrs.). A study of Intel based microcomputers. Topics include: history, microprocessor performance, memory architecture, I/O mapping, interrupts, motherboard design, bus architecture, power supplies, floppy drives, sound cards, and video standards. This course is designed to introduce students to hardware and operating systems used in microcomputers and prepare them to pass the CompTIA A+ certification examination. Research project will be assigned. Two-hour lecture, two-hour lab. (Spring)

**IND 30503 Basic Electricity/Electronics** (3 sem. hrs.). An introduction to the basic principles of electricity and electronics. Topics include units and notation, current, voltage, resistance, Ohm's Law, power, energy, circuit protection, wire sizing, series and parallel circuits, capacitance, inductance, impedance, alternating current, three-phase electrical systems, transformers, single-phase motors, and three-phase motors. Research project will be assigned. Prerequisite/Corequisite: TEC 11704 or MTH 11403. (Fall)

**IND 31102 Blueprint Reading for Industry** (2 sem. hrs.). A course for those desiring a knowledge of blueprint reading as applied to industry. Included will be freehand sketching, lettering, understanding auxiliary views and projections and specifying for machining, welding, and numerical control. Instrumentation, hydraulic, and electrical control diagrams will be covered. Research project will be assigned. One-hour lecture, two-hour lab. (Fall)

**IND 31103 Programmable Controllers I** (3 sem. hrs.). A study of the operational characteristics of programmable logic controllers. Major emphasis will include conversion of machine control logic diagrams to PLC programs. Additional topics include: types of input/output modules, system configuration, peripheral devices, timers, counters, arithmetic operations, logic functions, installation practices, data acquisition systems, and computer-controlled machines and processes. Research project will be assigned. Prerequisite: IND 35003. Two-hour lecture, two-hour lab. (Fall)

**IND 31203 GMAW Processes** (3 sem. hrs.). The Basic GMAW Processes course is designed to provide the student with practical experience using Gas Metal Arc Welding equipment. The course of study allows the student to learn and apply the techniques required to perform the basic procedures of the GMAW Process. The course will cover safety, equipment setup, process adjustments, types of weld metal transfer, and welding techniques. One-hour lecture, five-hour lab. (Fall)

**IND 31503 Basic Welding** (3 sem. hrs.). An introduction to the techniques and equipment used in arc and acetylene cutting and welding. Emphasis placed upon equipment operation and safety. Included is practice in gas and arc welding in all positions and the proper preparation of welded joints. Research project will be assigned. One-hour lecture, five-hour lab. (Fall)

**IND 31603 Schematic Diagram Reading** (3 sem. hrs.)**.** A course designed to give maintenance technicians a working knowledge of machinery blueprints. Included will be exploded view drawing of machine assemblies, terminology, piping schematics, welding, and tolerances for fit. The course will also give the maintenance technician practical hands-on experience in troubleshooting machine problems by using schematic diagrams. Included will be electrical schematics, hydraulic schematics, pneumatic schematics, piping diagrams and mechanical blueprints. Research project will be assigned. One-hour lecture, four-hour lab. (Spring)

**IND 32203 Basic Pipe Welding** (3 sem. hrs.). A continuation of the Advanced Welding course. The course of study is designed to provide the student with a working knowledge of the field of critical structural welding and an introduction to pipe welding. In addition to welding theory, the student will learn the skills and principles necessary to perform welding to meet the requirements of critical structural welding codes. Research project will be assigned. One-hour lecture, five-hour lab. (Spring)

**IND 32403 Manufacturing Processes** (3 sem. hrs.). A study of materials' properties, fabrication equipment, production methods, and procedures utilized in the production of metallic products. Included are practical experiences in machining, forming, molding, welding, measuring instruments, machine operation, machine capabilities, and manufacturing problem solving. Research project will be assigned. One-hour lecture, four-hour lab. (Fall)

**IND 33103 Advanced Pipe Welding** (3 sem. hrs.). A continuation of the Basic Pipe Welding course. The course of study is designed to provide the student with a working knowledge of the field of pipe welding. The course covers the principles and skills of performing welding to meet the requirements of pressure vessel/pressure piping codes. Research project will be assigned. One-hour lecture, five-hour lab. (Spring)

**IND 34103 Materials and Metallurgy** (3 sem. hrs.). A comprehensive study of materials used in industry. Topics include: lattice structures, iron-carbon diagram, phase diagrams, alloying, hardness, material properties, destructive and nondestructive testing, and stress/strain diagrams. Students will be required to prepare samples and to identify the types of hardening, grain size, and structure of specimen. Research project will be assigned. One-hour lecture, four-hour lab. (Fall)

**IND 35003 Industrial Controls** (3 sem. hrs.). A study of the electrical devices used to control industrial machinery. Topics include: switches, control transformers, relays, contactors, solenoids, limit switches, linear displacement transducers, pressure switches and transducers, temperature switches, timers, counters, motor starters, ladder diagrams, bar charts and power factor correction. Research project will be assigned. Prerequisite: ELE 10104 or ELE 12006. Two-hour lecture, two-hour lab. (Fall)

**IND 35103 Power Transmission Devices** (3 sem. hrs.). A study of the devices used to transmit power in machines. Topics covered include: chain drives, belt drives, torque converters, speed reducers, transmissions, and others. Special emphasis will be placed on calculating the specifications required to complete a given task. Research project will be assigned. One-hour lecture, four-hour lab. (Spring)

**IND 35202 Preventive Maintenance Planning and Scheduling** (2 sem. hrs.) An introduction to designing and implementing a preventative maintenance program. Included will be timed replacements, data collection, fluids, lubrication, and scheduling repairs. Research project will be assigned. One-hour lecture, two-hour lab. (Spring)

**IND 35503 Mechanical Skills** (3 sem. hrs.). A course designed to give the maintenance technician practical hands-on experience in troubleshooting and repairing mechanical devices. Included will be component alignment, bearings, bushings, vibration analysis, heat analysis, and component failure analysis. Research project will be assigned. Prerequisite: Permission of advisor. One-hour lecture and four-hour lab. (Fall)

**IND 36102 Hydraulics & Pneumatics** (2 sem. hrs.). Basic theories of hydraulic and pneumatic systems. A non-theoretical approach is used in the discussion of the design, construction, and use of fluid power control elements. Provides a practical working knowledge of hydraulic and pneumatic components and basic circuits used in industrial hydraulics. Research project will be assigned. Prerequisite: MTH 11403 or TEC 11704 or instructor permission. One-hour lecture, two-hour lab. (Spring)

**IND 36103 Weld Test & Inspection** (3 sem. hrs.). Designed to provide a basic understanding of the destructive and non-destructive testing methods used in the inspections and testing of welded joints. The course will cover welding code interpretation, pre- weld joint preparation, post-welding test sample formation and preparation, types of destructive and non-destructive testing methods, and weld defect identification. In addition to the actual testing of weld joints, the course will include the preparation of written welding certification reports according to applicable codes. Research project will be assigned. Course fee required. One-hour lecture, four-hour lab (Spring)

**IND 36202 Mechanical Troubleshooting** (2 sem. hrs.). A course designed to give the maintenance technician practical hands-on experience in troubleshooting and repairing mechanical devices. Included will be component alignment, bearings, bushings, vibration analysis, heat analysis, and component failure analysis. Pre: Permission of advisor. One-hour lecture and three hours lab. Lab fee required. (Spring)

**IND 37102 Occupational Safety and Health** (2 sem. hrs.). A study of recognition, avoidance, and enforcement of safety regulations in industrial environments. Included will be implications of OSHA as they relate to the supervisor's job. Research project will be assigned. Two-hour lecture. Fall

**IND 38202 Machine Repair and Maintenance** (2 sem. hrs.). A course designed to provide the student with the basic knowledge and skills needed to set up maintenance system and repair general shop machinery and equipment. Included will be fluid power, electricity, mechanism, and lubricants as applied to industrial machinery. Research project will be assigned. Prerequisite: IND 31503, IND 32104, and IND 36102. One-hour lecture, three-hour lab. (On Demand)

**IND 40103 Advanced Welding** (3 sem. hrs.). A study of advanced traditional and nontraditional welding methods. An analysis of the operation of AC and DC transformer, resistance, and MIG and TIG welding systems. Operational tests made on the effects of welding heats, polarities, and electrode types. Procedures such as welding ferrous and nonferrous materials and pipe joint welding will be practiced using the standard stick, MIG, TIG, and resistance welding methods. Research project will be assigned. Prerequisite: IND 31503. One-hour lecture, five-hour lab. (Fall)

**IND 40203 GTAW Processes** (3 sem. hrs.). The Basic GTAW Processes course is designed to provide the student with practical experience using Gas Tungsten Arc Welding equipment. The course of study allows the student to learn and apply the

techniques required to perform the basic procedures of the GTAW Process. The course will cover safety, equipment setup, process adjustments, types of welding currents, and welding techniques. One-hour lecture, five-hour lab. (Fall)

**IND 41203 Programmable Controllers II** (3 sem. hrs.). Continuation of Programmable Controllers I. Topics include: program control, data manipulation instructions, mathematical instructions, sequencer instructions, and networking. Research project will be assigned. Prerequisite: IND 31103.Two-hour lecture, two-hour lab. (Spring)

**IND 41303 Computer Network Security** (3 sem. hrs.). A course designed to introduce students to concepts associated with Internet and Intranet Security. Research project will be assigned. Four-hour lecture, four-hour lab. Eight-week course. (Fall)

**IND 42503 Industrial Prints and Computer Aided Drafting** (3 sem. hrs.) A study of industrial print interpretation, recognizing types or prints, dimensions, tolerances, and creating drawings using computer aided drafting software.

**IND 42603 Fanuc CNC** (3 sem. hrs.) A study of Fanuc Computer Numerical Control (CNC) milling. Topics include servo systems, position feedback, origins, programming a Fanuc vertical machining center (VMC) and circular interpolation.

**IND 42703 Water, Cooling and Filtration Systems** (3 sem. hrs.) A study of industrial water, cooling and filtration systems. Topics include: Open re-circulating cooling systems, once through cooling systems, closed re-circulating systems, problems with water, alkalinity, ph, hardness, scale, corrosion, biological growth, sludge, and filtration.

**IND 42801 Rigging** (1 sem. hr.) Course topics include: Rigging hardware, below the hook lifting devices, slings (chain, wire rope, synthetics, and metal mesh), lever hoist and chainfalls, hitches, limitations of rigging equipment, knot tying: tagline use, effects on working load limits, signalperson training, estimation of load weights, center of gravity determination,rigging block calculations and sling tension calculations.

**IND 44202 Electrical Troubleshooting and Repair** (2 sem. hrs.)**.** A course designed to give the maintenance technician practical hands-on experience in troubleshooting and repair of electrical systems. Included will be control circuits, power circuits, PLCs, limit switches, pressure switches, and other components used in the control of electrical systems. Research project will be assigned. Prerequisite: IND 31104, IND 32202, and IND 35003. One-hour lecture, two-hour lab. (Spring)

**IND 45403 Certification Seminar** (3 sem. hrs.). A course designed to give a structured review as preparation for the student to master the Fundamentals of Manufacturing Certification Examination. Three-hour lecture. (Spring)

**IND 46102 Advanced Hydraulics & Pneumatics** (2 sem. hrs.). Coursework to include circuit design, component selection, troubleshooting techniques, control, and feedback circuits. Research project will be assigned. Prerequisite: MFG 16102 or IND 36102 or equivalent basic hydraulics and pneumatics course. One-hour lecture, two-hour lab. (Fall)

**IND 47003 Robotics** (3 sem. hrs.). Basic robotic systems. Topics include: robot terminology, coordinate systems, work envelope considerations, manipulator drive systems, programming, servo system control, gears and linkage, interfacing, end effectors, sensors, and robotic applications. Research project will be assigned. Prerequisite: IND 35003. Two-hour lecture, two-hour lab. (Spring)

**IND 47101 OSHA 10 General Industry** (1 sem. hr.) This course is intended to provide entry level general industry workers information about their rights, employer responsibilities, and how to file a complaint as well as how to identify, abate, avoid and prevent job related hazards on a job site. The training covers a variety of general industry safety and health hazards which a worker may encounter at a work site. Training emphasizes hazard identification, avoidance, control and prevention, not OSHA standards. Students must attend and complete all 10 hours of training to earn their OSHA 10 General Industry card. OSHA cards will be issued to the successful student after completion of the course.

**IND 48801-05 Selected Topics in Industrial Technology.** (1-5 sem. hrs.). A study of special topics, industrial processes, and applications. The course may be presented in various formats such as lecture and laboratory combinations, seminars, and plant visits. (On Demand)

**IND 49001-04 Cooperative Education Experience.** (1-4 sem. hrs.). Workplace experience gained through placement into an Industrial Technology work environment. Coordination, supervision, and evaluation conducted by a School of Technology faculty member and participating company. May be repeated once. (On Demand)

## IT - Information Technology

**IT 10103 Introduction to Information Technology**. (3 sem. hrs.) An introduction to information technology. Topics include the Internet; computer hardware; operating systems and application software; multimedia; network communication; personal, social, and ethical issues. Lab fee required. (Fall, Spring)

**IT 10203 MS Office and the Internet I.** (3 sem. hrs.) MS Office or later programs will be studied as an integrated unit to develop basic proficiency. Small Projects in Word, Excel, PowerPoint, and Access will be completed. Lab fee required. (Fall, Spring)

**IT 11103 Introduction to Cyber Security** (3 sem. hrs.) In today's world, no one is safe from cyber-attacks, but everyone can be prepared. This course will teach you how malicious actors use social skills and technology to facilitate cyber attacks and provide you with the tools and information you need to defend against those attacks. Whether you pursue one of the many available jobs in cybersecurity or just want to secure your own privacy, you'll

learn how to make the Internet safer.

**IT 20103 Windows Operating System and Hardware.** (3 sem. hrs.) The study of operating systems such Windows, Server, and Linux will be examined. The ability to identify and troubleshoot PC hardware will be covered as well. Lab fee required. Prerequisite: IT 10103. (Spring)

**IT 20303 DBMS Concepts** (3 sem. hrs.) A study of Database Management Systems concepts leading to the model and design of a relational database. A business database project will be completed. Lab fee required. (Fall)

**IT 20403 Web Development** (3 sem. hrs.) A study of web development concepts leading to website design with Dream Weaver or other software. Lab free required. Prerequisite: IT 10103 or instructor permission. (Fall)

**IT 20803 Database Communication.** (3 sem. hrs.) This course provides an introduction to the SQL database communication language. This is an introduction to databases with an emphasis on the MySQL database system. Lab fee required. (Spring)

**IT 20903 Web Technology.** (3 sem. hrs.) This course is a study of how the Internet works. Popular Internet server software will be explored. Lab fee required. (Fall)

**IT 21002 Cyber Security** (2 sem. hrs.) This course is design to meet the needs of students who want to gain the knowledge and skills to protect networks with the tools and techniques of an ethical hacker. The course helps equip learners with the knowledge and skills needed to be cyber security professionals. Students will explore the concepts of ethical hacking and its practitioners, explaining the importance in protecting corporate and government data. This course offers an in-depth guide to performing security testing in today's cyber security environment. This course also covers the emerging vulnerabilities and innovative methods to protect networks; a discussion of mobile security; and information about computer crime laws, including penalties for illegal computer hacking. Through hands-on activities and case projects, students will be able to apply cybersecurity concepts they learn to real world scenarios. (Spring)

**IT 21203/41203 Enterprise Computing.** (3 sem. hrs.) This course is a study of the Principles of Information Systems and the Management of Information Technology within an organization. Prerequisite: BM 24503/44503. (Spring)

**IT 21303 Cybercrime and Governance** (3 sem. hrs.) Cybercrime is one of the biggest threats companies face on a daily basis, and they are constantly looking for new hires to help protect them. In this course, you will get a firsthand look at the methods used to commit cybercrimes. You will also learn how governments detect, investigate, and stop these crimes, and become familiar with the laws and policies in place to deter cybercriminals. Prerequisites: IT 11103

**IT 21403 Cyber Forensics** (3 sem. hrs.) When cybercrimes do happen, you need to know how to respond. This course examines the tools and techniques used to perform cyber forensics and conduct investigations into cybercrimes. By the end of the course, you'll be able to gather and analyze important digital evidence and gain skills in analyzing cybercrime that are in demand from companies across the country. Prerequisites: IT 11103 and IT 21303

**IT 22403 Network Systems Administration** (3 sem. hrs.) This course will provide the knowledge and hands-on skills necessary to manage a Local Area Network and its resources. Topics covered include directory services, server management, file and print services, and user/client administration in a heterogeneous operating system environment. Students will setup and manage a fully functioning computer network of systems. Hands-on active learning required.

**IT 22503 Modern Cybersecurity** (3 sem. hrs.) Just as technology is constantly evolving, so too must cybersecurity to keep pace with changing trends. In this class, you will learn about the changing landscape of cybersecurity, emerging technologies that are likely to be targeted, and new forms of cyber-attack being launched. By the end of the course, you will be able to implement the most up-to-date practices in cybersecurity in order to protect against attacks.

**IT 22603 Network and System Security** (3 sem. hrs.) Modern organizations know that even the strongest systems can be vulnerable to cyberattacks. As a result, jobs in cybersecurity are rapidly expanding as companies look to secure their digital assets. This course will teach you how to secure those assets by identifying and fixing potential security vulnerabilities. By the end of the course, you will be able to identify and remedy common network and systems vulnerabilities.

**IT 22703 Ethical Hacking** (3 sem. hrs.) To stop a hacker, you need to be able to think like a hacker. In this course, you will learn hands-on techniques for attacking and penetrating networks and systems. You will be prepped with tools to launch these offensive tactics, and then complete a hands-on project where they are asked to ethically hack a real system. Prerequisites: IT 22603

**IT 30203 Networking & Hardware** (3 sem. hrs.) This course prepares students for a Network+ course of study while obtaining the skills necessary to perform all types of network installations and basic troubleshooting. Realistic case studies and hands-on, interactive learning experiences are used for novice networking students to learn practical design methods for home, small business, and large enterprise networks.

**IT 30503 Visual Basic.** (3 sem. hrs.) Object Oriented Programming principles will be studied and implemented with Visual Basic.NET or later software. The course will emphasize programming for business applications. Prerequisite: IT 10103. (Fall)

**IT 31403 Electronic Business (e-business).** (3 sem. hrs.) This course focuses on the basic concepts, key issues, and critical technologies of doing business electronically. Prerequisite: (Spring)

**IT 41203/21203 Enterprise Computing.** (3 sem. hrs.**)** This course is a study of the Principles of Information Systems and the Management of Information Technology within an organization. Prerequisite: BM 24503/44503. (Spring)

## JRN - Journalism

**JRN 22103 News Writing for Media Publications** (3 sem. hrs.). Techniques of good news writing designed to develop skills necessary for a reporter through in-class laboratory exercises and the Signals college newspaper. Includes experience in news writing designed to further perfect the skills necessary to write clear, concise, and accurate news stories and specialized types of news stories. Experience in recognizing, developing, and writing features and editorials. Course fee required. (On Demand)

**JRN 22302 Graphics** (2 sem. hrs.). Origins, development, and current uses of various forms of printing, type design and recognition, type harmony and legibility; copy fitting and layout fundamentals; introduction to color reproductions; trends in media typography; design of annual reports, leaflets, brochures, booklets, and other forms of communication. Course fee required. (On Demand)

**JRN 22701-03 Student Newspaper Practicum** (1- 3 sem. hrs.). Optional. The student is involved with practical aspects in the operation of producing the University student newspaper as reporter, graphic designer, op-ed columnist, photojournalist or similar experience. Must have permission of faculty member teaching the course. The student will serve two hours for every one hour of academic credit. Can be repeated for a maximum of six (6) credit hours with no more than three (3) credit hours per semester. Prerequisite: Must be able to demonstrate a proficiency of journalistic skills. Dual listed as JRN 32701-03. Course fee required. (On Demand)

**JRN 24103 Introduction to Radio and Television Production** (3 sem. hrs.). An introduction to the basics in radio and television production and a study of the early methods and technology pertinent to the development of the electronic media. Course fee required. (On Demand)

**JRN 32102 Broadcast News Writing** (2 sem. hrs.). Practice in writing and producing news for electronic media. Editing procedures. Technological competencies required. Emphasis on correct grammar, style, reader interest, readability, and clarity. Students will be involved with producing and directing RGCA-TV news. Fall – (On Demand, Spring)

**JRN 32701-03 Student Newspaper Practicum** (1- 3 sem. hrs.). The student is involved in the operation of producing the University student newspaper in a supervisor's role. Must have permission of faculty member teaching the course. The student will serve two hours for every one hour of academic credit. Can be repeated for a maximum of six (6) credit hours with no more than three (3) credit hours per semester. Prerequisite: Must be able to demonstrate a proficiency of journalistic skills. (Fall, Spring)

**JRN 33303 Introduction to Public Relations** (3 sem. hrs.). An introduction to communication skills that deal with media, mass communication, public opinion, and principles of persuasion. To create an awareness of the art and science of analyzing and predicting trends, counseling organizational leaders, and to serve both the organization and public interest. (Fall)

**JRN 34402 Desktop Publishing** (2 sem. hrs.). An advanced course in graphical design. Includes current concepts that involve various styles and type-fonts; type harmony and legibility; advanced study in copy fitting and layout, including handling of color reproductions; advanced design of leaflets, brochures, flyers, and other forms of visual communication and to increase awareness of effective news writing skills. Prerequisite: JRN 22302 or demonstrated proficiency. (Spring)

**JRN 36103 Advanced Radio/Video Production** (3 sem. hrs.). Advanced study in the theory and practice of video and television production techniques. Experience in the operation and creative use of radio broadcasting equipment, and a basic background in radio programming techniques. (Spring)

**JRN 36901-03 TV/Radio Practicum** (1- 3 sem. hrs.). The student is involved with practical aspects leading to experience in the operations of the University TV/Radio public access studio. The student will spend two hours per week for one hour of credit. The student can apply to complete the experience in a privately-owned broadcast/ production facility, if the appropriate level of expertise has been acquired. Must have permission of the Practicum Faculty Advisor. (Fall, Spring)

**JRN 43603 Publicity and Media Campaigns** (3 sem. hrs.). Deals with case studies of communication in industry, labor, education, government, social welfare, and trade associations. Applies techniques and programs to real life problems and opportunities. Practical experience in use of controlled and uncontrolled media to achieve motivation from various target audiences; theory and nature of materials emanating from a Public Relations department or counseling firm, and practical analysis and development of specialized communication materials to gain reaction and support from specialized groups. (Spring)

**JRN 49803-05 Internship** (3-5 sem. hrs.). The student is involved with practical aspects of an institution or business or is involved in an independently designed project, the practical aspects of a newspaper or is involved in an independently designed project related to journalism. The student will spend two hours per week at the place of internship for each one hour of credit. (Fall, Spring, Summer)

## LA - Liberal Arts

**LA 10001 Gateway to Success.** (1 sem. hr.) This is a one (1) credit hour course required of all entering students at the University of Rio Grande. The course is designed to assist students with the choice of a college major and career life planning. It will also help students adjust to college, develop an understanding of the learning process, and acquire basic academic "survival skills."

Students will gain an appreciation for a variety of artistic expressions and topics of current interest, which include cultural diversity, personal health and well-being, and music, dance, and theatre. Course fee required. (Fall, Spring)

**LA 10303 Focus on Success** (3 sem. hrs.) This course is designed to help students create greater success in college and in life. Students will learn many proven strategies for creating greater academic, professional, and personal success.

**LA 20001 Further Your Rio Experience (FRYE).** (1 sem. hr.) This course is designed to complement and build upon the knowledge gained in LA 10001; connect students to the institution, their chosen career path, and local communities through self-awareness, promote development of an academic, social and professional purpose, and promote career skills.

**LA 20101 Intercultural Communication** (1 sem. hr.). The objective of this course is to bring American and international students together in order to promote cultural awareness and understanding. Students are to learn about the differences in cultures and the ways in which we are all alike. Many times we may have a new perspective of our own culture when we experience everyday American life with an International.

**LA 20103 Prior Learning Assessment.** (3 sem. hrs.) For the non-traditional student wishing to earn credit for life experience. Students will identify skills, knowledge, and values gained from their experiences and training and equate this learning to college-level programs via completion of a portfolio.

**LA 20301 Cross Cultural Experiences** (1 sem. hr.) This is a course for American and International students. In this course students will have partners from different cultures. They are expected to do an activity with one of their partners for an hour or so each week in order to learn about them and their culture. After each activity, students will write a reflection paper about their experience to show what they have leaned. The main objective of this course is to promote interactions and cultural understanding between domestic and international communities.

**LA 20303 Gateway to Workforce.** (3 sem. hrs.) This course is designed to prepare and empower students to make a seamless and impactful entry into the workforce.

## MA – Medical Assisting

**MA 10304 Internship** (4 sem. hrs.) This course is an internship work experience option for qualified students. Students will apply learned skills, gain actual on-the-job experience, and receive credit for work experience appropriate to training while completing the program of study.

**MA 11304 Clinical Skills** (4 sem. hrs.) This course is designed to provide students the opportunity to learn skills required to successfully function in the clinical area. Students will practice skills in a skills laboratory environment. (Fall)

**MA 12304 Clinical Laboratory** (4 sem. hrs.) This course is designed to provide students the opportunity to learn skills required to successfully function in the clinical area. Students will practice skills in a clinical environment. (Fall)

## MFG - Manufacturing Technology

**MFG 10103 Basic Welding** (3 sem. hrs.). An introduction to the techniques and equipment used in arc and acetylene cutting and welding. Emphasis placed upon equipment operation and safety. Included is practice in gas and arc welding in all positions and the proper preparation of welded joints. One-hour lecture, five-hour lab. Course fee required. (Fall)

**MFG 10203 GMAW Processes** (3 sem. hrs.). The Basic GMAW Processes course is designed to provide the student with practical experience using Gas Metal Arc Welding equipment. The course of study allows the student to learn and apply the techniques required to perform the basic procedures of the GMAW Process. The course will cover safety, equipment setup, process adjustments, types of weld metal transfer, and welding techniques. One-hour lecture, five-hour lab. (Fall).

**MFG 11102 Blueprint Reading for Industry** (2 sem. hrs.). A course for those desiring knowledge of blueprint reading as applied to industry. Included will be freehand sketching, lettering, understanding auxiliary views and projections and specifying for machining, welding, and numerical control. Instrumentation, hydraulic, and electrical control diagrams will be covered. One-hour lecture, two-hour lab. Course fee required. (Fall)

**MFG 12103 Weld Testing & Inspection** (3 sem. hrs.). Designed to provide a basic understanding of the destructive and non-destructive testing methods used in the inspections and testing of welded joints. The course will cover welding code interpretation, pre-weld joint preparation, post-welding test sample formation and preparation, types of destructive and non-destructive testing methods, and weld defect identification. In addition to the actual testing of weld joints, the course will include the preparation of written welding certification reports according to applicable codes. One-hour lecture, four-hour lab. Course fee required. (Spring)

**MFG 12403 Manufacturing Processes** (3 sem. hrs.). A study of materials' properties, fabrication equipment, and methods and procedures utilized in the production of metallic products. Included are practical experiences in machining, forming, molding, welding, measuring instruments, machine operation, machine capabilities, and manufacturing problem solving. One-hour lecture, four-hour lab. Course fee required. (Spring)

**MFG 14103 Schematic Diagram Reading** (3 sem. hrs.). A course designed to give maintenance technicians a working knowledge of machinery blueprints. Included will be exploded view drawing of machine assemblies, terminology, piping schematics, welding, and tolerances for fit. The course will also give the maintenance technician practical hands-on experience in troubleshooting

machine problems by using schematic diagrams. Included will be electrical schematics, hydraulic schematics, pneumatic schematics, piping diagrams, and mechanical blueprints. One-hour lecture and four-hour lab. Course fee required. (Spring)

**MFG 16102 Hydraulics and Pneumatics** (2 sem. hrs.**).** Basic theories of hydraulic and pneumatic systems. A non-theoretical approach used in the discussion of the design, construction, and use of fluid power control elements. Provides a practical working knowledge of hydraulic and pneumatic components and basic circuits used in industrial hydraulics. Prerequisite: MTH 11403 or TEC 11704 or instructor permission. One-hour lecture, two-hour lab. Course fee required. (Spring)

**MFG 20103 Advanced Welding** (3 sem. hrs.). A study of advanced traditional and nontraditional welding methods. An analysis of the operation of AC and DC transformer, resistance, and MIG and TIG welding systems. Operational tests made on the effects of welding heats, polarities, and electrode types. Procedures such as welding ferrous and non-ferrous materials and pipe joint welding will be practiced using the standard stick, MIG, TIG, and resistance welding methods. Prerequisite: MFG 10103. One-hour lecture, five-hour lab. Course fee required. (Fall)

**MFG 20203 GTAW Processes** (3 sem. hrs.). The Basic GTAW Processes course is designed to provide the student with practical experience using Gas Tungsten Arc Welding equipment. The course of study allows the student to learn and apply the techniques required to perform the basic procedures of the GTAW Process. The course will cover safety, equipment setup, process adjustments, types of welding currents, and welding techniques. One-hour lecture, five-hour lab. (Fall)

**MFG 22203 Basic Pipe Welding** (3 sem. hrs.). A continuation of the Advanced Welding course. The course of study is designed to provide the student with a working knowledge of the field of critical structural welding and an introduction to pipe welding. In addition to welding theory, the student will learn the skills and principles necessary to perform welding to meet the requirements of critical structural welding codes. One-hour lecture, five-hour lab. (Spring)

**MFG 22503 Industrial Prints and Computer Aided Drafting** (3 sem. hrs.) A study of industrial print interpretation, recognizing types or prints, dimensions, tolerances, and creating drawings using computer aided drafting software.

**MFG 22603 Fanuc CNC** (3 sem. hrs.) A study of Fanuc Computer Numerical Control (CNC) milling. Topics include servo systems, position feedback, origins, programming a Fanuc vertical machining center (VMC) and circular interpolation.

**MFG 22703 Water, Cooling and Filtration Systems** (3 sem. hrs.) A study of industrial water, cooling and filtration systems. Topics include: Open re-circulating cooling systems, once through cooling systems, closed re-circulating systems, problems with water, alkalinity, ph, hardness, scale, corrosion, biological growth, sludge, and filtration.

**MFG 22801 Rigging** (1 sem. hr.) Course topics include: Rigging hardware, below the hook lifting devices, slings (chain, wire rope, synthetics, and metal mesh), lever hoist and chainfalls, hitches, limitations of rigging equipment, knot tying: tagline use, effects on working load limits, signalperson training, estimation of load weights, center of gravity determination,rigging block calculations and sling tension calculations.

**MFG 23103 Advanced Pipe Welding** (3 sem. hrs.). A continuation of the Basic Pipe Welding course. The course of study is designed to provide the student with a working knowledge of the field of pipe welding. The course covers the principles and skills of performing welding to meet the requirements of pressure vessel/pressure piping codes. One-hour lecture, five-hour lab. (Spring)

**MFG 24103 Materials & Metallurgy** (3 sem. hrs.). A comprehensive study of materials used in industry. Topics include: lattice structures, iron-carbon diagram, phase diagrams, alloying, hardness, material properties, destructive and nondestructive testing, and stress/strain diagrams. Students will be required to prepare samples and to identify the types of hardening, grain size, and structure of specimen. One-hour lecture, four-hour lab. Course fee required. (Fall)

**MFG 24302 Electrical Troubleshooting and Repair** (2 sem. hrs.)**.** A course designed to give the maintenance technician practical hands-on experience in troubleshooting and repair of electrical systems. Included will be control circuits, power circuits, PLCs, limit switches, pressure switches, and other components used in the control of electrical systems. Prerequisites: MFG 14104, MFG 14202, and ELE 25003. One-hour lecture and two-hour lab. Course fee required. (Spring)

**MFG 25103 Power Transmission Devices** (3 sem. hrs.). A comprehensive course designed to give technicians a working knowledge of mechanical power transmission devices. Included will be a study of bearings, seals, shafts, couplings, fasteners, and other mechanical devices used in machinery subassemblies, speed reducers, belt drives, chain drives, gear trains, torque converters, and other mechanical devices used to transmit power. One-hour lecture and four-hour lab. Course fee required. (Spring)

**MFG 25302 Preventive Maintenance Planning & Scheduling** (2 sem. hrs.). A course designed to give the maintenance technician practical hands-on experience in designing and implementing a preventive maintenance program. Included will be timed replacements, data collection and interpretation, fluids, lubrication, derating, and scheduling repairs. Prerequisite: Permission of advisor. One-hour lecture and two-hour lab. Course fee required. (Spring)

**MFG 25403 Mechanical Skills** (3 sem. hrs.). A course designed to give the maintenance technician practical hands-on experience in troubleshooting and repairing mechanical devices. Included will be component alignment, bearings, bushings, vibration analysis, heat analysis, and component failure analysis. Prerequisite: Permission of advisor. One-hour lecture and four-hour lab. Course

fee required. (Fall)

**MFG 26102 Advanced Hydraulics and Pneumatics** (2 sem. hrs.). A continuation of MFG 16102. Coursework to include circuit design, component selection, troubleshooting techniques, control and feedback circuits, and hands-on component installation. One-hour lecture, two-hour lab. Course fee required. Prerequisite: MFG 16102 or equivalent basic hydraulics and pneumatics course. (Fall)

**MFG 27101 OSHA 10 General Industry** (1 sem. hr.) This course is intended to provide entry level general industry workers information about their rights, employer responsibilities, and how to file a complaint as well as how to identify, abate, avoid and prevent job related hazards on a job site. The training covers a variety of general industry safety and health hazards which a worker may encounter at a work site. Training emphasizes hazard identification, avoidance, control and prevention, not OSHA standards. Students must attend and complete all 10 hours of training to earn their OSHA 10 General Industry card. OSHA cards will be issued to the successful student after completion of the course.

**MFG 27102 Occupational Safety and Health** (2 sem. hrs.). A study of hazard recognition and avoidance, and enforcement of safety regulations in industrial environments. Included will be the implications of OSHA as they relate to the supervisor's job. Two-hour lecture. (Fall)

**MFG 28202 Machine Repair and Maintenance** (2 sem. hrs.). A course designed to provide the student with the basic knowledge and skills needed to set up a maintenance system and repair general shop machinery and equipment. Included will be fluid power, electricity, mechanism, and lubricants as applied to industrial machinery. Prerequisites: ELE 10104, MFG 10103, MFG 12104, and MFG 16102. One-hour lecture, two-hour lab. Course fee required. (On Demand)

**MFG 28801-04 Selected Topics in Manufacturing Technology** (1- 4 sem. hrs.). A study of topics not included in other course offerings. Prerequisite: Permission of the instructor. (A maximum of four semester hours can be applied to graduation requirements for a single AAS program.) Special Course fee required. (On Demand)

**MFG 29001-04 Cooperative Education Experience** (1-4 sem. hrs.). Study and work in a manufacturing industry in a position related to the student's major area of concentration. Duration: 15 weeks in an approved position. Observation and evaluation by an industrial supervisor and a campus supervisor are required. The student must attend a scheduled two-hour campus seminar every two weeks. (A maximum of four semester hours can be applied to graduation requirements for a single AAS or ATS program.) Special Course fee required. (On Demand)

**MFG 29901-03 Directed Studies in Manufacturing Technology** (1-3 sem. hrs.). Independent study and/or research under the supervision of an instructor in manufacturing technology. May include directed research and readings, formal in-depth study of a topic of special interest to the student, individual projects, special educational experiences, or a practicum in which theories and their practical applications are brought together in a single educational experience. Prerequisites: Sophomore standing, the completion of at least six (6) hours in MFG courses, and permission of the instructor. Course fee may be required. (On Demand)

## MKT - Marketing

**MKT 21403 Principles of Marketing.** (3 sem. hrs.) An introduction into the field of marketing. The role of the marketing mix (product, price, place, and promotion) in creating marketing strategies will be discussed. Additional topics include the role of consumer behavior, international marketing, marketing research, and advertising. Prerequisite: ECO 11403. Lab fee required. (Fall, Spring)

**MKT 26403/36403 Professional Communication and Business Networking.** (3 sem. hrs.) This course provides a general overview of communication, networking, professionalism, and etiquette within a business environment. Students will gain the tools and skills necessary to effectively communicate and conduct themselves in professional settings. All forms of business correspondence will be considered, including both verbal and written communication. Presentation skills will be emphasized. Lab fee required. (Fall)

**MKT 27403 Advertising and Promotion**. (3 sem. hrs.) A study of various elements of the promotional mix and how they are combined to develop a total marketing communication program. Major emphasis is placed on understanding the changes taking place in the advertising industry and how they influence strategies and tactics. (Spring)

**MKT 28403 Business-to-Business Marketing.** (3 sem. hrs.) A study of the basic applications of marketing in the business-to-business environment. Logistics, supply chain management, and technological advancements in the field, including RFID and e-procurement, will all be discussed. The course will also explain the viability of promotional elements like trade journals, websites, and trade shows. (Spring)

**MKT 33403 Marketing Research.** (3 sem. hrs.) This course focuses on how marketers use research as a tool for decision-making. Topics include: designing quantitative and qualitative research studies, preparing questionnaires, collecting date, and analyzing and reporting results. Situation and data analysis skills are developed through lectures and field projects. (Spring)

**MKT 34403 Consumer Behavior.** (3 sem. hrs.) A study of the theoretical concepts of consumer behavior. The course stresses how consumers make decisions, as well as the internal and external forces that can influence the consumer decision-making process. Topics include: the effects of motivation, personality, culture, family, perception, and attitudes on consumption. Through this course, students will also learn how to analyze their own consumer behavior. (Fall)

**MKT 47403 Marketing Management.** (3 sem. hrs.) This course focuses on applying many of the marketing concepts discussed throughout the marketing program. Students will be able to identify marketing problems and situations, diagnose causes, and create effective marketing strategies through the use of case studies and field projects. Communications of findings and strategies are emphasized. Prerequisite: MKT 21403. (Spring)

## MTH - Mathematics

**NOTE:** A student may not take a mathematics course for credit that is a prerequisite for a mathematics course the student has already passed, unless required by an academic program, or unless approved by majority vote of the mathematics faculty.

**MTH 10403 Mathematics Review** (3 sem. hrs.). A development of basic mathematics. Topics include: the set of integers, the set of rational numbers, and introductory algebra. Applications involving ratios, proportions, percentage, and measurement are included. May not be used as mathematics elective. Course fee required. (Fall, Spring, Summer)

**MTH 11203 Introductory Algebra** (3 sem. hrs.). An introduction to the concepts and techniques of algebra. Topics include: properties of the real numbers, variables, algebraic expressions, solving first and second degree equations, graphing, linear equations, systems of linear equations, and exponents. Prerequisite: A grade of C or better in MTH 10403 or equivalent skill level as indicated by the score on the placement exam. May not be used as mathematics elective. Course fee required. (Fall, Spring, Summer)

**MTH 11403 Intermediate Algebra** (3 sem. hrs.). A study of the techniques of algebra for students having some background in algebra. Topics include: exponents and radicals, polynomials, factoring, rational expressions, solving second degree equations, and graphing quadratic equations. Prerequisite: A grade of "C" or better in MTH 11203 or equivalent. Skill level as indicated by the score on the placement exam. May not be used as mathematics elective. Course fee required. (Fall, Spring, Summer)

**MTH 11101 Bridge to Mathematics for Educators I** (1 sem. hr.) This course is a companion course to MTH 11505 Mathematics for Educators I. This course is designed to help the student build the basic mathematical skills needed to be successful in MTH 11505. Concurrent with MTH 11505. (Fall, Spring)

**MTH 11505 Mathematics for Educators I** (5 sem. hrs.). An introduction to the fundamentals of mathematics for education majors. Topics include: problem-solving strategies, sets, numeration systems, integer and rational number operations, real numbers, and functions. Prerequisite: A grade of C or better in MTH 11403 or equivalent skill level as indicated by the score on the placement exam. May not be used as mathematics elective. Course fee required. (Fall, Spring)

**MTH 11903 Mathematics for Nurses** (3 sem. hrs.) This course introduces the nursing student to the math skills necessary for medication dosage calculation. The student will expand on previous knowledge of percentages, proportions, and changing units. Additional concepts discussed are legal/ethical accountability related to medication administration and the use of the nursing process in medication administration. Upon completion of the course, the student demonstrates proficiency in medication dosage calculation, (Fall)

**MTH 13404 College Algebra** (4 sem. hrs.) An introduction to functions. Topics include: algebraic, exponential, and logarithmic functions. Also included are systems of linear and nonlinear equations, conic sections, vectors, and an introduction to sequences with a graphing calculator. A graphing calculator is required. This course may not be used as a mathematics elective. Prerequisite: C or better in MTH 11203. (Note: MTH 13404 College Algebra together with MTH 14403 Trigonometry are equivalent to MTH 14505 Precalculus.) Course fee required. (Fall, Spring)

**MTH 14403 Trigonometry** (3 sem. hrs.) An introduction to trigonometric functions, Emphasis is placed on graphing with a graphing calculator. A graphing calculator is required. This course may not be used as a mathematics elective. (Note: MTH 13404 College Algebra (C- or better) together with MTH 14403 Trigonometry are equivalent to MTH 14505 Precalculus,) Pre-Requisite: MTH 13404 Course fee required.

**MTH 14505 (TM) Pre-calculus** (5 sem. hrs.). An introduction to functions. Topics include: algebraic, exponential, logarithmic, and trigonometric functions. Also included are systems of linear and non-linear equations, conic sections, vectors, sequences and series. Emphasis is placed on graphing with a graphing calculator. A graphing calculator is required. Prerequisite: A grade of C or better in MTH 11403 or equivalent skill level as indicated by the score on the placement exam. May not be used as mathematics elective. Course fee required. (Fall, Spring)

**MTH 15105 (TM) Calculus I** (5 sem. hrs.). Pre- calculus Review, Limits, Continuity, The Derivative, Applications of the Derivative, the Definite Integral, the Indefinite Integral, and Applications of the Integral. Prerequisite: MTH 14505 Pre-calculus or equivalent skill level as indicated by the score on the placement exam. Course fee required. (Fall, Spring)

**MTH 15204 Calculus II** (4 sem. hrs.). A continuation of Math 15105. Topics include: transcendental functions, techniques of integration, indeterminate forms, improper integrals, sequences, series, parametric equation, polar coordinators, and elementary differential equations. Prerequisite: MTH 15105. Course fee required. (Spring)

**MTH 15304 Multivariable Calculus** (4 sem. hrs.). A continuation of MTH 15204. Topics include: vectors in two and three dimensions, analytic geometry in three dimensions, partial derivatives, multiple integrals, and vector calculus. Prerequisite: MTH 15204. Course fee required. (Fall)

**MTH 18803 Algebra Pilot** (3 sem. hrs.) This course is web-based, and it allows the student to proceed through the material covered in MTH 10403 Math Review, MTH 11203 Introductory Algebra, and MTH 11403 Intermediate Algebra at a somewhat self-placed manner with an instructor present in the room. Upon completion of MTH 18803, the student's grade is posted according to the material completed, and it is so indicated on the student's transcript. (Fall, Spring, Summer)

**MTH 21104 Quantitative Reasoning** (4 sem. hrs.) The core topics covered in this course are statistics and probability, mathematical modeling, and numeracy. These topics will be covered by utilizing current world applications to develop critical thinking and problem-solving skills. This is designed for students who are seeking non-STEM related degrees. Prerequisite: C or better in MTH 11203 (Spring)

**MTH 21403 Bridge to Introductory Probability and Statistics** (3 sem. hrs.) This course is a companion course to MTH 21404 Introduction to Probability and Statistics. This course is designed to help the student build the basic mathematical skills needed to be successful in MTH 21404. (Fall, Spring)

**MTH 21404 (TM) Introductory Probability and Statistics** (4 sem. hrs.). An introduction to probability and statistics. Topics include: organizing data, graphical presentations of data, measures of central tendency and dispersion, relative standing, normal curve theory, elementary probability, correlation and simple regression, chi-square, and hypothesis testing of means for one and two samples. Mathematics credit is not given for both MTH 21404 and MTH 21803. Prerequisite: A grade of C or better in MTH 11203 or equivalent skill level as indicated by the score on the placement exam. May not be used as mathematics elective. Course fee required. (Fall, Spring)

**MTH 21704 Introduction to Probability** (4 sem. hrs.). An introduction to probability and descriptive statistics. Topics include: introductory probability; conditional probability; combinatorics; random variables; expected value; discrete probability distributions (binomial, geometric, hyper-geometric, Poisson); graphical representations of data; measures of central tendency, variation, and relative standing; and normal curve probabilities. Prerequisite: A grade of C or better in MTH 11403 or equivalent skill level as indicated by score obtained on mathematics placement examination. Course fee required.

**MTH 21803 Introduction to Statistics** (3 sem. hrs.). A continuation of MTH 21704. Topics include: sampling distributions; confidence intervals for means and proportions; hypothesis testing for means, proportions, and variances; correlation and simple linear regression; chi-square; curve- fitting; multiple regression; and ANOVA. Mathematics credit is not given for both MTH 21803 and MTH 21404. Prerequisite: MTH 21704. Course fee required.

**MTH 21903 Additional Topics in Probability and Statistics** (3 sem. hrs.) This course expands on the topics presented in MTH 21404 Introduction to Probability & Statistics. Topics expanded include elementary probability, normal curve theory, confidence intervals for one and two samples, correlation and simple regression, chi-square, hypothesis testing for one and two samples, and ANOVA. Pre-requisite: C- or better in MTH 21404 (Spring Even)

**MTH 25403 Discrete Mathematics** (3 sem. hrs.). An introduction to discrete mathematics with emphasis on problem solving. Topics include: elementary set theory, introductory logic, number systems, algorithms, permutations, combinations, recurrence relations, mathematical induction, matrices, and graph theory. Prerequisite: A grade of C or better in MTH 11403 and instructor permission OR a grade of C or better in MTH 13404 and instructor permission OR a grade of C or better in MTH 14504. Course fee required. (Spring)

**MTH 26603 Number Theory** (3 sem. hrs.). A study of basic concepts of abstract number theory. Topics include: divisors and prime numbers, Diophantine equations, linear and quadratic equations, and continued fractions. Prerequisite: MTH 25403 (Spring even years)

**MTH 27403 College Geometry** (3 sem. hrs.). A formal approach to the development of Euclidean geometry and an introduction to non-Euclidean geometry. Special emphasis is placed on the construction of geometric proofs. Recommended Prerequisite: MTH 25403 Course fee required. (Spring even years)

**MTH 27703 Differential Equations I** (3 sem. hrs.). A study of first and second order ordinary differential equations with emphasis on applications. Topics include solutions of linear, separable, exact, Bernoulli's, Euler's and higher order linear constant coefficient differential equations; finding solutions using Laplace and Inverse Laplace transforms. Prerequisite: MTH 15304 Course fee required. (Spring)

**MTH 28801-05 Selected Topics in Mathematics** (1-5 sem. hrs.)**.** A study of topics not included in other course offerings. May be repeated to a maximum of ten hours. Prerequisite: As required. Course fee required. (On Demand)

**MTH 32503 Graph Theory** (3 sem. hrs.) A study of topics not included in other course offerings. This semester we will explore the area of mathematics know as Graph Theory. Topics that may be discussed are tree algorithms, Euler paths, Hamilton paths and cycles, planar graph, independence and covering, connections and obstructions, and vertex and edge colorings. Pre-requisite: Permission of instructor and School Chair. (On Demand.)

**MTH 37403 Mathematical Models** (3 sem. hrs.)**.** An introduction to mathematical modeling. Discrete and continuous mathematical models of real-world problems in various disciplines are analyzed numerically, graphically, and analytically through techniques of algebra, geometry, calculus, numerical analysis, and available technology. Topics include: graphing, recursion formulas, difference equations, curve fitting, continuous optimization techniques, and linear programming. Prerequisite: MTH 15204 (may be taken concurrently). (Fall Even)

**MTH 37903 Differential Equations II** (3 sem. hrs.). A continuation of MTH 27703. Topics include: series solutions, Gamma function, systems of differential equations, numerical methods, and Fourier series. Prerequisite: MTH 27703. (On Demand)

**MTH 38403 Linear Algebra (**3 sem. hrs.). An introduction to the basic concepts of linear algebra. Topics include: systems of linear equations, vector spaces, linear transformations, matrices, determinants, orthogonality, eigenvalues, and eigenvectors. Prerequisite: MTH 25403. (Fall Even)

**MTH 38603 Abstract Algebra** (3 sem. hrs.). An introduction to modern abstract algebra. Topics include: groups, integral domains, rings, fields, modules, and vector spaces. Prerequisite: MTH 25403. (Fall Even)

**MTH 43403 History of Mathematics** (3 sem. hrs.). A survey of the history of mathematics from the ancient Egyptian and Babylonian cultures to the present. Emphasis on the Greek period, the Renaissance of mathematics during the seventeenth century, and transition to the twentieth century. Prerequisite: MTH 15204. (Fall Odd)

**MTH 44403 Real Variables** (3 sem. hrs.). A rigorous approach to the study of continuous functions. Topics include: sequences, series, limits, derivatives, and integrals. Prerequisite: MTH 25403. (Fall Odd)

**MTH 48801-05 Selected Topics in Mathematics** (1-5 sem. hrs.). A study of topics not included in other course offerings. The format may be independent or directed studies or a scheduled class. Open to majors in mathematics. Prerequisite: Permission of instructor and School Chair. Additional prerequisites: As required. (On Demand)

## NSC - Natural Science

**NSC 12303 Descriptive Astronomy** (3 sem. hrs.). This course is a survey of astronomy including an introduction to the solar system, stellar astronomy, galaxies, and cosmology. Introduction to the use of a telescope with some laboratory problems designed to familiarize the students with the art of celestial observation. (On Demand)

**NSC 15004 Scientific Explorations** (4 sem. hrs.) This is a survey course that emphasizes the integrated nature of science and stresses the application of scientific inquiry to real-world problems. Scientific content is taught within the context of a series of case studies that are researched and resolved throughout the lecture and laboratory. Three-hour lecture, two-hour laboratory. Prerequisites: Acceptance into the Rio Grande Honors Program. (On Demand)

**NSC 20303 Physical Geology** (3 sem. hrs.). This course covers the materials and structures of the earth's crust, the forces that shape the surface of the earth, and the geologic/ topographical features these forces produce. (Every other year)

**NSC 22304 (TM) Environmental Science** (4 sem. hrs.). This is an interdisciplinary course that emphasizes the impact of humans on the environment. The course begins with a study of the structure and function of ecosystems. Then various environmental problems are examined including population growth, food supply, energy issues, water issues, air pollution, extinction, solid waste disposal, and hazardous materials. Students examine how culture and technology affect environmental policies. Students also do several group activities that require value judgments and decision-making about environmental issues. Three-hour lecture, two-hour lab. Course fee required. (Fall, Spring)

**NSC 23101 Environmental Practicum** (1 sem. hr.). This course is a practicum. The student will spend thirty (30) hours with a local environmental agency. The student will write a report of their experiences and be evaluated by an agency supervisor. Prerequisite: Professor Permission Only. NSC 22304. (Fall, Spring)

**NSC 28801-03 Selected Topics in Natural Science** (1-3 sem. hrs.). This course is a study of topics not included in other course offerings. Prerequisite: Permission of instructor and School Chair. (On Demand)

**NSC 29901-03 Directed Studies in Natural Science** (1-3 Credit Hours). This course is an independent study and/ or research under the supervision of an instructor of Natural Science. It may include directed research and readings, formal in- depth study of a topic of special interest to the student, individual projects, special educational experiences, or a practicum in which theories and their practical applications are brought together in a single educational experience. Prerequisite: C- or better in ENG 11103, ENG 11203, and COM 11103, or Permission of the Chair. (On Demand)

**NSC 31303 Comm Environmental & Natural Resources** (3 sem. hrs.). This course examines concepts and practices to communicate environmental and natural resources technical information. Oral and written formats currently used for scientific conferences and publications (both agency and peer-reviewed) will be emphasized. Prerequisites: ENG 11103 or equivalent, ENG 11203 or equivalent, and COM 11103 or equivalent with C - or better. (Spring 2021)

**NSC 33202 Laboratory Management** (2 sem. hrs.). This course is designed for the prospective teacher of a laboratory science. Topics include: lab safety; legal issues; ordering supplies and equipment; inventory; planning, conducting, and evaluating a laboratory experience; and the proper and ethical treatment of living organisms. Students are required to plan, implement, and evaluate a laboratory activity and to work with a college faculty member as a laboratory assistant for one semester in an introductory-level course in Biology, Chemistry, or Physics. One hour of class per week. Prerequisites: Three courses in science.

**NSC 38801-03 Selected Topics in Natural Science** (1-3 sem. hrs.). This course is designed to extend the knowledge of Natural Science from the basic to the complex. Topics may include: biochemistry, relativity, atomic physics, nuclear physics, or environmental issues. Prerequisite: CHM 15505 and/or PHY 17505 and/or NSC 22304 or permission of instructor and School

Chair. (Fall, Spring)

**NSC 43101 Lab Experience** (1 sem. hr.). This course is a practicum. The student spends thirty (30) hours working for a science faculty member for a particular science lab course. The student will be present during all labs for ONE section of the course. The student will also be responsible for preparing and teaching at least one lab. This student will write a report of their experience and be evaluated by the instructor. Prerequisites: Permission of instructor, 3.00 G.P.A. or above in science. Fall, Spring, (On Demand)

**NSC 45303 Integrated Science** (3 sem. hrs.). This is a capstone course for science majors. Topics include: contemporary events and current research results from Biology, Chemistry, and Physics. Each topic will be approached in an interdisciplinary manner that includes historical background, contributions from various cultures, major findings, technology used, and societal implications. Each student will be involved in an inquiry-based research project that involves lab or field data collection, statistical analysis, and interpretation of results. Prerequisite: Junior/ Senior standing with a major/minor in Biology, Chemistry, Environmental Science, or Physics; or teacher licensure in adolescent to young adult or middle childhood concentration in science. (On Demand)

**NSC 49808 Environmental Internship** (8 sem. hrs.). In this course, the student will work for a ten-week period (400 hours) as an intern in an environmental position approved by the Field Placement Coordinator. The student will learn the duties and responsibilities of the position, the organizational structure of the agency/business, and gain practical work experience. Prerequisites: Senior Environmental Science Major and permission of Field Placement Coordinator. (On Demand)

**NSC 49901-04 Directed Studies in Natural Science** (1-4 sem. hrs.). This course is an independent study and/ or research under the supervision of an instructor of Natural Science. It may include directed research and readings, formal in-depth study of a topic of special interest to the student, individual projects, special educational experiences, or a practicum in which theories and their practical applications are brought together in a single educational experience. Prerequisites: Junior or Senior standing, and permission of instructor and School Chair. (On Demand)

## NUR – Nursing

**NUR 10505: Nursing I.** (5 sem. hrs.) The theory content of this course introduces the nursing student to the roles of the associate degree registered nurse and the standards of clinical nursing practice. Critical to this discussion is the introduction of basic human needs, growth and developmental theories, patient rights, communication, nursing process, and nursing skills necessary for the delivery of health care. The clinical component of this course utilizes health care delivery settings in both acute and extended care to provide the student an opportunity to use the nursing process to provide basic nursing care to adult patients. Three-hour class, six-hour lab. Each week three hours lecture; four hours lab for four weeks, and four hours clinical for 11 weeks. Course fee required. Prerequisites: Official acceptance into the School of Nursing Program and current and valid CPR card. (Fall)

**NUR 10606: Nursing II.** (6 sem. hrs.) The theory content of this course introduces the nursing student to function in the role of the associate degree registered nurse in providing nursing care to adult patients in acute care settings, childbearing patients, and neonates in maternal family settings. Critical to this discussion is the introduction of teaching-learning. Further developed are effective communication skills; the use of the nursing process to plan, implement, and evaluate nursing care; and the use of growth and developmental theories to identify various stages of the life cycle with emphasis on the neonate. The clinical component of this course utilizes: (1) acute care and ambulatory health care delivery settings to provide nursing care to adult patients undergoing surgical interventions; and (2) maternal family settings to provide nursing care to the childbearing patients and the neonate. Four-hours class, six-hours lab for one week, and six hours clinical for 14 weeks. Course fee required. Prerequisite: NUR 10505 with a grade of "C" or better in theory and a "satisfactory" designation for clinical performance, MTH 11903 with a grade of "C" or better, AHC 13101 with a grade of "C" or better, and BIO 10104 with a grade of "C" or better. (Spring)

**NUR 11212 Nursing Transition** (12 sem. hrs.) This transition course is designed for students entering the On-Campus LPN to RN program. This course will build on previous knowledge and skills the student received in their LPN/LVN educational process and focus on the professional concepts and skills necessary to transition from the role of LPN/LVN to the role of RN. Students are introduced to the Philosophy and Conceptual Framework of the University of Rio Grande-Holzer School of Nursing, as well as ANA *Standards of Clinical Nursing Practice* and ANA *Code of Ethics*. Nursing process, the eight basic human needs, growth and developmental theories, principles of teaching-learning and effective communication skills are presented. Also discussed is the role of the associate degree registered nurse to critically think, communicate, and provide safe, effective nursing care to the infant, the childbearing family, and patients experiencing needs related fluid and electrolyte balance; acid-base balance; the renal system; the integumentary system; and the sensory perceptual systems. Combined with classroom and nursing clinical experience, learning is by the application of concepts. Eleven hours class, three hours clinical for 15 weeks. Prerequisite: Official acceptance in the University of Rio Grande-Holzer School of Nursing Advanced LPN/LVN Placement track, current and valid LPN license. (Summer)

**NUR 11206 Nursing Transitions: Part I** (6 sem. hrs.) This transition course is designed for students entering the LPN-to-RN bridge program. This course will build on previous knowledge and skills the student received in their LPN/LVN educational process and focuses on the professional concepts and skills necessary to transition from the role of the LPN/LYN to the role of Registered Nurse. Students are introduced to the Philosophy and Conceptual

Framework of the University of Rio Grande-Holzer School of Nursing as well as ANA Standards of Clinical Nursing Practice and ANA Code of Ethics. Nursing Process, the eight basic human needs, growth and developmental theories, principles of teaching, learning, and effective communication skills are presented. The focus of nursing is on the diagnosis and health maintenance of the expanding family. Also discussed is the role of the associate degree registered nurse to critically think, communicate and provide safe and effective care to the infant and child-bearing family. Combined with classroom and nursing clinical experience, learning is by the application of concepts. Five hours class, three hours clinical for eight weeks. Prerequisite: Official acceptance into the University of Rio Grande-Holzer School of Nursing Advanced LPN/LVN Hybrid Placement Track, current and valid LPN/LVN license, and CS 288N0 with a grade of "S", satisfactory. Hybrid LPN-RN students only. (Fall)

**NUR 11306 Nursing Transitions: Part II** (6 sem. hrs.) This transition course is Part II of a course designed for students entering the LPN-to-RN bridge program. This course will build on previous knowledge and skills the student received in their LPN/LYN educational process and focuses on the professional concepts and skills necessary to transition from the role of the LPN/LYN to the role of Registered Nurse. The role of the associate degree registered nurse to critically think, communicate and provide safe and effective care to patients experiencing needs related to fluid and electrolyte balance; acid-base balance; the renal system, the integumentary system; and the sensory perceptual system is discussed. Combined with classroom and nursing clinical experience, learning is by the application of concepts. Five hours class, three hours clinical for eight weeks. Prerequisite: NUR 11206 with a grade of "C" or better and a satisfactory designation for clinical performance, CS 288N0 with a satisfactory grade. Hybrid LPN-RN students only. (Spring)

**NUR 20404: Nursing III.** (4 sem. hrs.) The theory content of this course introduces the nursing student to function in the role of the associate degree registered nurse in providing nursing care to adult patients in acute care settings experiencing needs related to fluid and electrolyte balance; acid-base balance; the renal system; the integumentary system; and the sensory perceptual systems. Growth and developmental concepts are further discussed with emphasis on infants and children. The nursing process, communication and collaboration skills, use of technology, teaching-learning, and legal/ethical principles of nursing practice are continued. The clinical component of this course utilizes: (1) acute care health care delivery settings to provide nursing care to adult patients; and (2) community settings to provide interactions with children. Four and one-half hours class and four and one half hours clinical during 10-week Summer term. Course fee required. Prerequisite: NUR 10606 with a grade of "C" or better in theory and a "satisfactory" designation for clinical performance, BIO 10204 with a grade of "C" or better, BIO 10302 with a grade of "C" or better, and PSY 11103. (Summer)

**NUR 20909: Nursing VI.** (9 sem. hrs.) The theory content of this course focuses on the role of the associate degree registered nurse as communicator, provider, and manager of safe effective care to patients experiencing needs related to the immune system, the endocrine system, the musculoskeletal system, and oncologic disorders. The student nurse is introduced to the role of the registered nurse providing nursing care to critically ill patients. Growth and developmental concepts are further discussed with an emphasis on older adults. The nursing process, communication and collaboration skills, use of technology, teaching-learning, and legal/ethical principles of nursing practice are continued. The clinical component utilizes acute care, including critical care areas to provide the student the opportunity to assist patients in promoting, restoring, and maintaining health. Students are provided with an introduction to the role of the community health nurse. Clinical assignments are selected to assist the student with the role transition from student to registered nurse. Clinically, the student functions as a: a) provider of care for small groups of patients; b) team leader; c) team member; and d) preceptee with an experienced registered nurse. Six hours class, nine hours clinical. Course fee required. Prerequisite: NUR 21707 with a grade of "C" or better in theory and a "satisfactory" designation for clinical performance, NUR 21303 with a grade of "C" or better in theory and a "satisfactory" designation for clinical performance, ENG 11203, and SOC 11103. (Spring)

**NUR 21303: Nursing IV.** (3 sem. hrs.) The theory content of this course introduces the nursing student to function in the role of the associate degree registered nurse in providing nursing care in mental health care settings to adults experiencing emotional health care needs. Growth and developmental concepts are further discussed with emphasis on the adolescent. The nursing process, therapeutic communication and collaboration skills, use of technology, teaching-learning, and legal/ethical principles of nursing practice are continued. The clinical component of this course utilizes mental health care settings to provide nursing care to adult patients. Two hours class, three hours clinical. Course fee required. Prerequisite: NUR 20404, NUR 11206, NUR 11306 or NUR 11212 with a grade of "C" or better in theory and a "satisfactory" designation for clinical performance and successful completion of COM 11103 and ENG 11103. (Fall) (Note: Hybrid students only, Summer)

**NUR 21707: Nursing V.** (7 sem. hrs.) The theory content of this course introduces the nursing student to function in the role of the associate degree registered nurse in providing nursing care to children, adolescents, and adult patients experiencing needs related to the respiratory system; the gastrointestinal system; the cardiovascular system; the liver/biliary system, nervous system, and the reproductive system. Growth and developmental concepts are further discussed with emphasis on the young and middle-aged adult. The nursing process, communication and collaboration skills, use of technology, teaching-learning, and legal/ethical principles of nursing practice are continued. The clinical component of this course utilizes acute health care delivery settings to provide nursing care to children, adolescents, and adult patients.

Five hours class, six hours lab for one week, and six hours of clinical for 15 weeks. Course fee required. A.D.N Prerequisite: NUR 20404 with a grade of "C" or better in theory and a "satisfactory" designation for clinical performance, SOC 11103, and ENG 11203.
Hybrid LPN to RN Prerequisite: NUR 11206, NUR 11306, and NUR 21303 with a grade of "C" or better in theory and a "satisfactory" designation for clinical performance (Fall)

**NUR 22101: Trends II.** (1 sem. hr.) This course provides an overview to assist the student in the transition to the role of the registered nurse. Current health care trends and issues and their implications for members of the multidisciplinary health care team are explored. Additional topics discussed are: continued lifelong learning related to professional development and educational requirements to maintain licensure as a registered nurse; an overview of professional organizations that represent the nursing profession; the role of State Boards of Nursing; and an introduction of the American political process related to healthcare and the role of the nurse as an informed constituent. One-hour class. Prerequisite: NUR 21707 with a grade of "C" or better in theory and a "satisfactory" designation for clinical performance, NUR 21303 with a grade of "C" or better in theory and a "satisfactory" designation for clinical performance, ENG 11203, SOC 11103. (Spring) (NUR 27805, Hybrid students only, Summer)

**NUR 27805: Medical Surgical Nursing I.** (5 sem. hrs.) The theory content of this course focuses on the role of the associate degree registered nurse as communicator, provider, and manager of safe effective care to patients experiencing needs related to the immune system, the endocrine system, blood and blood forming, and neoplastic disorders. The student nurse is introduced to the role of the registered nurse leading and providing nursing care to humans whose illness is more complex in nature. Growth and developmental concepts are further discussed with an emphasis on older adults. The nursing process, communication and collaboration skills, use of technology, teaching-learning, and legal/ethical principles of nursing practice are continued. The clinical component utilizes an acute care setting, to provide the student the opportunity to assist patients in promoting, restoring, and maintaining health. Clinical assignments are selected to assist the student to begin to explore the characteristics and responsibilities of leadership. The student further explores the transition from a student nurse to the role of the nurse through opportunities to plan and provide nursing care for small groups of clients. Four hours class, three hours clinical. Course fee required. Prerequisite: NUR 21707 with a grade of "C" or better in theory and a "satisfactory" designation for clinical performance, NUR 21303 with a grade of "C" or better in theory and a "satisfactory" designation for clinical performance. C or better in NUR 11206, 11306 or 11212. (Hybrid program only) (Spring)

**NUR 28801-10: Selected Topics in Nursing.** (1-10 sem. hrs.) A study of topics not included in current nursing course offering or topics of more in-depth study than covered in current nursing courses. The format may be independent of directed studies, a research paper, a community activity or project, a scheduled class, or a seminar. The course may be repeated for credit upon change of the course topic. The topic/ project may be selected by a group of students and/or the nursing instructor. Course fee required. Prerequisite: Approval of the nursing instructor and the Dean of the College of Professional and Technical Studies. (On Demand)

**NUR 28804: ST: Medical Surgical Nursing II.** (4 sem. hrs.) The theory content of this course focuses on the role of the associate degree registered nurse as communicator, provider, and manager of safe effective care to patients experiencing needs related to the musculoskeletal system and leadership and management. Students are provided with an introduction to the role of the community health nurse. Clinical assignments are selected to assist the student with the role transition from student to registered nurse. Clinically, the student functions as a: a) provider of care for small groups of patients; b) team leader; c) team member; and d) preceptee with an experienced registered nurse. Two hours class, nine hours clinical. Course fee required. Prerequisite: NUR 27805 with a grade of "C" or better in theory and a "satisfactory" designation for clinical performance. C or better in NUR 21303, C or better in NUR 11206, 11306 or 11212. (Hybrid students only, Summer)

**NUR 30304 Concepts of Professional Nursing** (4 sem. hrs.) This transition course focuses on an introduction to the Philosophy and Conceptual Framework of the University of Rio Grande-Holzer School of Nursing, the health care delivery system, and the clinical decision-making process (nursing process). Emphasis is placed on transition to the professional nursing role in the care of self, individuals, families, groups, and communities. An introduction to nursing theorists, philosophies, theories, and frameworks is also presented. Four-hour class. Prerequisite: Graduate of a State Board of Nursing approved pre-licensure R.N. associate degree or diploma program in nursing. Note: Students may enroll in this course prior to receiving RN license and/or official acceptance into the RN-BSN Program. (Fall)

**NUR 30707 Clinical Decision Making.** (7 sem. hrs.) This course is designed to provide the RN-BSN student with the skills to perform a complete holistic health assessment and to plan nursing care for the individual. Specific attention is given to the development of skill used for comprehensive history taking and physical examination. Emphasis is on the assessment of the individual with appropriate analysis and interpretation of the data collected from individual families and groups. Stress concepts, theories, and models, as well as stress management are covered. The aging process and common health alterations are discussed. Concepts introduced relate to physiologic, psychologic, and social issues pertinent to the aging population that relate to health care practices. These concepts are used to choose implementation strategies and to evaluate nursing care. Prerequisites: Official acceptance to the RN-BSN program; current RN License (Ohio or state of residence), CPR, and nursing professional liability insurance, NUR 30304 with a grade of "C" or better in theory; and BIO 49303. (Fall, 2nd 8 weeks)

**NUR 31303: Healthcare Ethics.** (3 sem. hrs.) The focus of this course is to assist the student to develop sensitivity to ethical areas in nursing practice. The student will examine his/her own values and patients' values in order to provide appropriate nursing care. Understanding of how values influence decisions about health care will be discussed. Future moral problems that nurses are likely to face are introduced. The influence of values and moral frameworks on the ethical dimension of nursing practice and on the nurse's role as a patient advocate is also explored. Prerequisite: Acceptance into the RN-BSN program (Summer, 1st 5 weeks)

**NUR 32303 Nursing Informatics** (3 sem. hrs.**)** This course provides a systematic application of the use of information science and technology to support patient care and provide leadership within health care systems and/or academic settings, Emphasis is on the use of information systems/technology to evaluate programs of care, outcomes of care, and care systems to inform quality improvement, financial decision-making, selection and evaluation of the information systems of patient care technology, and related ethical, regulatory, and legal issues. Prerequisites: Successful completion of NUR 30304 and NUR 31303 with a grade of "C" or better. (Summer, 2nd 5 weeks)

**NUR 40304 Nursing Research Evidence Based Practice.** (4 sem. hrs.) This course provides basic content in the role and the use of nursing research in day to day practice settings. The steps of the research process are presented as well as major research approaches. Students study and critique selected examples of nursing research. Retrieval of library information is reviewed. Utilization of computerized statistical packages is introduced. Students design a small investigative study which has implications for nursing. Prerequisites: MTH 21404, NUR 30304, and NUR 30707 with a grade of "C" or better. (Spring, 1st 8 weeks)

**NUR 40905: Nursing Leadership.** (5 sem. hrs.) The professional leadership role to synthesize major curriculum concepts is explored and developed. Health care needs, delivery patterns, services, and resources are identified and analyzed. Students discuss and define various roles within leadership, such as manager, teacher, participant in care delivery, and change agent. Major topics of discussion include: leadership styles, group dynamics, collaborative practice, organizational structure, management processes, management styles, and change. Prerequisite: Current Ohio active R.N. license and nursing professional liability insurance; clinical clearance; NUR 30304 with a grade of "C" or better. (Spring, 2nd 8 weeks)

**NUR 40906: Community Health Nursing**. (6 sem. hrs.) This course serves as the capstone course and focuses on the role of the nurse in the delivery of nursing care to the community, which is viewed as a unit. The community is assessed in relation to cultural and environmental influences, such as epidemiology, substance abuse, and violent behavioral patterns. A family theory perspective is used to identify such concepts as family communication patterns, types of families, loss, grief, and family violence. Strategies to assist families and the community are discussed. Students discuss and define various roles within leadership, such as manager, teacher, participant in care delivery, and change agent. Major topics of discussion include: leadership, group dynamics, collaborative practice, resource management and change. Structured and unstructured health care environments are utilized to provide clinical experience for students with individuals, families, groups, and communities. Prerequisite: Current Ohio active R.N. license and nursing professional liability insurance; clinical clearance; NUR 30304, NUR 30707, NUR 31303, NUR 40304, NUR 40905 and NUR 41404, all with a grade of "C" or better in theory; and NUR 30707 with a "satisfactory" designation for clinical performance. There is a teaching/learning or service-learning component to this course. Five hours class, 1 hour clinical. (Summer, 10 weeks)

**NUR 41404: Transcultural Nursing.** (4 sem. hrs.) The focus of this course is to provide the student with tools for effective delivery of health care for people of different cultures. The student will develop an awareness of the influence of economic, political, and social factors on access to health care of selected cultural groups. Prerequisites: None. (Spring, 2nd 8 weeks)

**NUR 48801-03 Selected Topics in Nursing.** (1-3 sem. hrs.) A study of topics not included in current nursing course offerings or topics of more in-depth study than covered in current nursing courses. The format may be independent or directed studies, a research project, a community activity or project, a scheduled class or seminar. The course may be repeated for credit upon change of the course topic. The topic or project may be selected by a group of students and/or the nursing instructor. Prerequisite: Approval of the nursing instructor and the Dean of the College of Professional and Technical Studies. (Spring, 1st 8 weeks)

## OT - Office Technology

**OT 10003 Beginning Keyboarding** (3 sem. hrs.) This is a developmental course for students who are not proficient in keyboarding or who have never typed. The course is designed to help students use proper techniques to key accurately and rapidly on keyboard-activated equipment (typewriter and personal computer); to format basic business letters, memoranda, reports, and simple tabulation; and improve keyboarding speed and accuracy. Students are expected to attain a speed of 40 wpm for three to five minutes. Two-hour lecture, two-hour lab. Course fee required. (Fall)

**OT 10403 Keyboarding I** (3 sem. hrs.**)** The students develop and refine the following: speed and accuracy; skills and techniques; and preparation of business letters, envelopes, manuscripts, outlines, business forms, and complex tabulation. This course also stresses the correct grammar and punctuation usage in all documents keyed or composed by the office professional. Students are expected to attain a speed of 40-55 wpm for five minutes. Prerequisite: OT 10003 or proficiency test. Two-hour lecture, two-hour lab. Course fee required. (Fall)

**OT 24203 Records/Database Management** (3 sem. hrs.) This course emphasizes principles and practices of effective records management for manual and electronic records systems. Students are taught the indexing procedures and rules developed by ARMA that apply when working with computer or paper files. Emphasis is placed on the need to under-stand the record life cycle within which information functions in the organization. This course is a blended approach to the study of records management: traditional paper-based and electronic using Microsoft Access. Two-hour lecture, two-hour lab. Course fee required. (Fall)

**OT 28202 Office Practicum (2 Credit Hours)** This course is an integration of precise skills, human behavior, and office procedures, which are requisites of professional office personnel in a working situation. In this course, the students gain practical office experience in faculty and administration offices on campus or in an off-campus site related to their major field of study. Prerequisite: Advanced standing in the Office Technology program or permission of the instructor. One-hour lecture and sixty (60) hours of supervised work experience. (Fall, Spring)

**OT 28801-03 Selected Topics in Office Technology** (1-3 sem. hrs.) This course is designed to be a study of topics not included in regular course offerings. The format for this course may be independent, directed study, or a scheduled class. Prerequisite: Permission of the instructor. Course fee may be required. (On Demand)

**OT 29901-03 Directed Studies in Office Technology** (1-3 sem. hrs.) Independent study and/or research under the supervision of an instructor in office technology. May include directed research and readings, formal in-depth study of a topic of special interest to the student, individual projects, special educational experiences, or a practicum in which theories and their practical applications are brought together in a single educational experience. Prerequisites: Sophomore standing, the completion of at least six (6) hours of OT courses, and permission of the instructor. Course fee may be required. (On Demand)

## PH – Public Health

**PH 11203 History of Public Health** (3 sem. hrs.) Covid-19 has thrust Public Health into the spotlight, but the domain of public health includes many critical issues, including mental health, obesity, and gun violence. From the first quarantines to the modern movement towards universal health care, public health has fundamentally shaped societies. In this course, you'll learn the role of the state in public health, the importance of public health, and how it's provided and practiced.

**PH 31203 Health Services** (3 sem. hrs.) This course will introduce you to the modern history of healthcare in high, middle, and low income countries and explore the evolution of health services. Students will evaluate the strengths and weaknesses of particular systems and policies and examine their ideal version of a health service in the context of current events.

**PH 33303 Health Economics** (3 sem. hrs.) The field of public health is driven by economics as much as it is by epidemiology. This course will teach you about health economics, which is the application of economic principles and techniques of analysis to health care in support of the public good. By the end of this course you will learn how to analyze the effectiveness of health policy outcomes through an economic lens, and how to use available resources to improve the quality of healthcare. Prerequisites: ECO 12403

**PH 41202 Public Health Internship I** (3 sem. hrs.) On the job training of at least 100 meaningful hours or 12/13 full working days after approval of the School Chair or Dean, and an approved organization, which is expected to give the intern a variety of new and meaningful learning experiences directly related to the Public Health major and the concentration of interest. The intern is expected to grow, work hard, and make a professional contribution to the organization. Prerequisites: Senior standing and PH 11203, PH 31203, and PH 33303

**PH 41402 Public Health Internship II** (3 sem. hrs.) On the job training of at least 100 meaningful hours or 12/13 full working days after approval of the School Chair or Dean, and an approved organization, which is expected to give the intern a variety of new and meaningful learning experiences directly related to the Public Health major and the concentration of interest. The intern is expected to grow, work hard, and make a professional contribution to the organization. Prerequisites: Senior standing and PH 11203, PH 31203, PH 33303, and PH 41202

**PH 42203 Public Health Studies I: Current Topics and Politics** (3 sem. hrs.) This course is intended to provide students with a means of evaluating the health impact of political decisions and a broad knowledge base about the practice of Public Health today. Students will explore a range of current topics in public health - including COVID-19,HIV/AIDS, and the obesity epidemic. Students will also look at the impact of US politics on global public health, especially in developing nations. Furthermore, this course will explore key topics such as the WHO's Millennium Development Goals, the disastrous circumstances that can arise when Public Health Policies fail, and the conflict between data and political will that drives so much of Public Health policy decision making. The online class has optional live sessions. This course culminates in a project in which students must plan a Health Impact Assessment of a current or proposed federal or state policy. Prerequisites: PH 11203 and MTH 21404

**PH 43303 Public Health Studies II: Demographics, Geo-Spatial Mapping, and Qualitative Research** (3 sem. hrs.) This course provides students with a variety of tools for understanding the impact that disease or other Public Health concerns may have on a population. Students will learn how to design effective surveys, analyze geographic data, and use qualitative information with the ultimate goal of gaining a better understanding of how

events may affect the health of a particular population. This course will also require students to participate map development in order to help them build understanding of how geographic data is used in the practice of Public Health. Prerequisites: PH 11203, MTH 21404, and PH 42203

## PHR - Philosophy

**PHR 21103 (TM) Philosophical Inquiry.** (3 sem. hrs.) This course is a philosophical inquiry into the basic questions and topics of philosophy, including questions about free will and determinism; art and beauty; human nature; knowledge and reality; justice and the good society; ethics and morality; logical and fallacious thinking; science and religion; gender and ethics; and comparisons between Eastern and Western modes of thought. (Fall, Spring)

**PHR 21203 Ethics.** (3 sem. hrs.) This course involves an examination of various moral issues (e.g. relativism vs. absolutism), concepts (e.g. duties, rights, values, principles, etc.), ethical theories (e.g. utilitarianism, natural law, divine law theories, Kantian ethics, etc.), and evaluation of contemporary moral issues, such as sexual ethics, environmental ethics, genetics and ethics, euthanasia and abortion, justice and inequality, and animal rights.

**PHR 21403 Medical Ethics.** (3 sem. hrs.) This course takes a case-study approach to medical ethics for nursing and pre-med students. Students are required to apply ethical theories and fundamental principles to various issues in medicine and the treatment of patients, including conflicts between medical paternalism and patient rights; public health and individual confidentiality rights; faith healing and conventional medicine; treatment of defective newborn, euthanasia, abortion, organ transplants; principles of justice and the allocation of scarce resources; the right to health care; and various approaches to reforming the American health care system (e.g. national health insurance vs. market approaches, etc.). (Spring)

## PHT - Pharmacy Technician

**PHT 14302 Pharmacology for RCP** (2 sem. hrs.) This two-credit hour course is a presentation of topics related to basic concepts in pharmacology, drug groups commonly used in respiratory therapy; their physiologic mechanisms; their dosages, available formulations, pharmacological mode of action; and related drug product review. Course fee required. (Spring)

**PHT 14303 Pharmacy Math for RCP** (3 sem. hrs.). This three-credit hour course is a presentation of topics related to basic concepts in pharmacology, drug groups commonly used in respiratory therapy; their physiologic mechanisms; their dosages, available formulations, pharmacological mode of action; and related drug product review, and other mathematical calculations required for Respiratory Therapy. Prerequisite: Acceptance into Respiratory Therapy Program. (Fall)

## PHY - Physics

**PHY 10404 (TM) Principles of Physics** (4 sem. hrs.). This is a survey of mechanics, energy, waves, sound, and atomic and nuclear physics. There are thirteen one-hour labs. Prerequisite: MTH 11203 (C or better), TEC 11704 (C or better) MTH 21403 or placement into higher level math course via placement exam score. ENG 10502 (C- or better) or placement into higher-level English course via placement exam score. (Fall, Spring)

**PHY 17505 General Physics I with Algebra** (5 sem. hrs.). This course is an introduction to mechanics, thermodynamics, fluids, sound and waves utilizing algebra and trigonometry. Labs include work with computers to collect and analyze data. Laboratories emphasize the drawing of conclusions for collected evidence. Four-hour lecture, two-hour lab. Course fee required. Prerequisites: TEC 11804, MTH 14505, MTH 14403, or permission of the instructor. (Fall)

**PHY 18505 General Physics II with Algebra** (5 sem. hrs.). This course is an introduction to electricity, magnetism, light, and modern physics utilizing algebra and trigonometry. Laboratories emphasize the drawing of conclusions for collected evidence. Four-hour lecture, two-hour lab. Course fee required. Prerequisite: PHY 17505 or permission of the instructor. (Spring)

**PHY 20505 General Physics I with Calculus** (5 sem. hrs.). This course is a calculus-based introduction to mechanics, thermodynamics, wave characteristics, sound, and fluids. Labs include work with computers to collect and analyze data. Laboratories emphasize the drawing of conclusions for collected evidence. Four-hour lecture, two-hour lab. Course fee required. Prerequisite: MTH 15105 or permission of the instructor. (Fall)

**PHY 21505 General Physics II with Calculus** (5 sem. hrs.). This course is a calculus-based introduction to electricity, and magnetism, light, and modern physics. Labs include work with computers to collect and analyze data. Laboratories emphasize the drawing of conclusions for collected evidence. Four-hour lecture, two-hour lab. Course fee required. Prerequisite: PHY 20505 or permission of the instructor. (Spring)

**PHY 28801-05 Selected Topics in Physics** (1-5 sem. hrs.). This course is a study of topics not included in other course offerings. The format may be independent or directed studies, a research project, a scheduled class, or a seminar. Prerequisites: PHY 21505, and permission of the instructor and School Chair. (On Demand)

## POL - Political Science

**POL 11103 (TM) American National Government** (3 sem. hrs.). An introduction to Constitutional foundations, the major national political institutions, policy processes, public opinion and political behavior, interest groups, and electoral politics. (Fall, Spring)

**POL 11203 Introduction to Constitutional Law** (3 sem. hrs.). A study of cases from the Supreme Court of the United States (SCOTUS) to examine the structure and procedural aspects of government, as well as the Civil Rights and Civil Liberties of American Citizens.

**POL 12103 American State Government** (3 sem. hrs.). A study of states in the federal relationship, a comparison of political culture in various states and regions, the major state political institutions, political parties, and interest groups. (Fall, Spring)

**POL 15103 Introduction to Comparative Government** (3 sem. hrs.) An introduction to the study of structures, behaviors, and processes of contemporary political systems. Course is taught concurrently with POL 35103.

**POL 25103 Introduction to International Relations Theory** (3 sem. hrs.) An introduction into the rich world of International Relation Theory. Modern film will be used to compare various IR theories and extract the main themes and ideas that the two works have in common. Course is taught concurrently with POL 45103.

**POL 28803 Selected Topics in Political Science** (3 sem. hrs.). Topics will vary and may include such things as U.S. foreign policy, comparative politics, public opinion, presidential election-year politics, and political science methods, (Repeatable with different topics). (On Demand)

**POL 29901-03 Directed Studies in Political Science** (1-3 sem. hrs.). Independent study and/or research at the Sophomore level under the supervision of an instructor in Political Science. May include directed research and readings and formal study of a topic of special interest to the student. Prerequisites: Sophomore standing and the completion of at least six (6) credit hours in the discipline, as well as sponsorship by an instructor and approval of the Dean of the College of Arts and Sciences. Repeatable to six (6) credit hours. (On Demand)

**POL 31203 The American Constitutional System** (3 sem. hrs.). A study of the major constitutional principles of the American governmental system using landmark U.S. federal court cases. (Spring)

**POL 34103 Legislative Behavior and Process** (3 sem. hrs.). A study of legislator behavior and the legislative process with major attention to the U.S. Congress and with minor attention to state legislatures and the British Parliament. Parties, interest groups, and leadership will be discussed. (Spring)

**POL 35103 Comparative Government** (3 sem. hrs.). A study of structures, behaviors, and processes of contemporary political systems. Prerequisite: At least junior status or permission of the instructor. (Fall)

**POL 45103 International Relations/Foreign Policy** (3 sem. hrs.). An analysis of various aspects of international relations, including the operating influences on international relations and an examination of theories of international relations. Prerequisite: At least junior status or permission of instructor. (Spring)

**POL 49703 Practicum in Political Science** (3 sem. hrs.). This is a practicum designed to provide an opportunity for students in their junior and senior years to earn academic credit by serving as interns in various agencies or offices. Each practicum must be supervised and approved by an instructor of record, who must be a member of the faculty of the University of Rio Grande, and approved by the Dean of the College of Arts and Sciences. The practicum site is to be determined on an individual basis, and it must be acceptable to the student and approved by the instructor of record. The instructor will negotiate with the site supervisor to establish mutually acceptable learning experiences and job expectations before the student begins the practicum. The instructor of record will be responsible for course requirements, student accountability, and the assignment of a final grade. The instructor and the Dean will ensure that the practicum complies with the educational and administrative policies of the University. (On Demand)

## PSY - Psychology

**PSY 11103 (TM) General Psychology.** (3 sem. hrs.) Introduction to individual human behavior, history of psychology, present definition of psychology, perception and sensation, intelligence and its measurement, maturation, principles of learning, motivation and emotions, personality, abnormal behavior, socialization, and group influence. (Fall/ Spring/Summer)

**PSY 12503 Introduction to Chemical Dependency Counseling.** (3 sem. hrs.) The Chemical Dependency Assistant Phase I training series offers forty (40) hours of chemical dependency specific education designed to meet State of Ohio requirements in the following six (6) content areas: theories of addiction, counseling procedures and strategies with addicted populations, assessment and diagnosis of addiction, treatment planning, and legal and ethical issues pertaining to chemical dependency. (Fall)

**PSY 13103 Stress Management** (3 sem. hrs.) Provides research-experiential approach to understanding stress and its effects on human behavior and physiology. Stress is an aspect of everyday contemporary life. Discusses the work of researchers and practitioners in stress management and considers the causes of stress from a variety of theoretical and practice-based perspectives. Topics include the relation of stress to health, communication, relationships, academic and work performance. Examines the techniques and implementation of stress management in personal and professional arenas. Considers perspectives of stress and coping from various social and cultural standpoints. (Fall)

**PSY 21103 Human Growth and Development.** (3 sem. hrs.) A longitudinal study of human development stressing the importance of developmental sequences in motor, emotional, social, language, intelligence, and imaginative life, and the importance of developmental tasks and roles that parents, teachers, and other concerned adults play in their accomplishments. Prerequisite: PSY 11103 (“C” letter grade or higher). (Fall, Spring)

**PSY 21401 Statistics for the Behavioral Sciences Co-Requirement** (1 sem. hr.) This course accompanies PSY 21503 and serves to supplement course material with additional practice and mentorship. It is designed to help those students whose

placement test scores and/or mathematical abilities do not meet college-level expectations. (Fall)

**PSY 21503 Statistics for the Behavioral Sciences.** (3 sem. hrs.) This course examines the methods, applications, and interpretation of statistics as applied to the behavioral sciences. Topics include: calculating and presenting descriptive data, correlations and simple regressions, when and how to use parametric and nonparametric techniques including t-tests, regression, ANOVA, and organization, interpretation, and presentation of real-world data. This course differs from similar courses offered in the Mathematics Department in that emphasis is placed on practical applications of these concepts and principles, providing students with the ability to select and apply appropriate techniques for analyzing data and the ability to critically evaluate and understand research data analyses when found in written materials such as newspapers, research reports, and other analytical media. Prerequisite: PSY 11103 (C- or better), MTH 11203 or its equivalent (C- or better).

**PSY 22804 Memory and Cognition.** (4 sem. hrs.) The purpose of this course is to introduce the student to human cognition: our ways of coming to know about the world and about one another. This course will concentrate on the classic topics in adult cognition: perception, memory, attention, categorization, problem solving, reason, and decision-making. Special attention will be paid to the relationship between logic and the psychology of reasoning. Prerequisites: PSY 11103 (C- or better). (Fall)

**PSY 25403 Behavior Modification.** (3 sem. hrs.) This study includes aspects of how people acquire information about the structure of our environment and how we use this information in effective living. The course will include an examination of classical conditioning, operant conditioning, concept identification, problem solving, and the biological systems that enhance or impair learning. Prerequisite: PSY 11103 ("C-" letter grade or higher). Course fee required. (Fall, Spring)

**PSY 26204 Research Methods.** (4 sem. hrs.) An advanced study of the statistical, ethical, and practical aspects of experimental research design, implementation, and analysis. Research Methods is designed to provide students with experience and information about research methods used in Psychology and the behavioral sciences. Students will learn how to study human brain processes by observing human behavior using established scientific principles. The course will consist of lecture, discussion and research sessions. The lecture and discussion portions of the courses will be devoted to presenting background material associated with various concepts and topics that are essential to understanding and conducting psychological research. The research portion of the courses is devoted to illustrating and providing hands-on experience with many of these concepts and topics. Some areas that will be explored included: ethics, data interpretation, experimental design and planning, conducting and presenting research based on student ideas. Prerequisites: (All with "C-": letter grade or higher) PSY 11103, PSY 21503. (Spring)

**PSY 29901-03 Directed Studies in Psychology.** (1-3 sem. hrs.) Independent study and/or research under the supervision of an instructor in Psychology. May include directed research and readings, formal in-depth study of a topic of special interest to the student, individual projects, special educational experiences, or a practicum in which theories and their practical applications are brought together in a single educational experience. Prerequisites: Sophomore standing and the completion of at least six credit hours in the discipline, as well as sponsorship by a full-time psychology faculty member, and approval of the Dean of the College of Behavioral Sciences. (On Demand)

**PSY 32103 Neuroscience Foundations** (3 sem. hrs.) This course introduces students to the field of neuroscience, explores the cellular and molecular basis of neural systems, and discusses the neural basis of cognition. Students are expected to leverage their understanding of biology and chemistry to build a working knowledge of neuroscience fundamentals. Prerequisites: BIO 12104, BIO 12204, CHM 15005, and CHM 15505

**PSY 32203 Biological Basis of Perception and Movement** (3 sem. hrs.) Perception and Movement are fundamentally driven by biological processes. This course provides students with an understanding of the various systems and organs that play a role in the human ability to perceive the world and move through it. It builds upon Neuroscience Fundamentals to allow students to understand the impact of core neuroscience concepts. Prerequisites: BIO 12104, BIO 12204, CHM 15005, CHM 15505, PSY 32103

**PSY 33103 Organizational Psychology.** (3 sem. hrs.) An exploration of the principles and methods of applied psychology in organizations which will prepare the student for participation in management, executive training, creativity, group decision making, organizational climate and effectiveness, job satisfaction, non-financial motivators, and management roles. Emphasis will be on laboratory exercises designed to develop skills through personal experience**.** Prerequisite: PSY 11103 ("C-" letter grade or higher). (On Demand)

**PSY 33203 Social Psychology.** (3 sem. hrs.) An integrative interactionist approach to the experience and behavior of the individual in relation to social stimulus situations. Prerequisite: PSY 11103 ("C-" letter grade or higher). (Fall)

**PSY 34203 Physiological Psychology.** (3 sem. hrs.) This course studies the physiological and biological bases of human behavior, including in-depth treatment of neural communication, and examination of current research into mechanisms underlying emotion, motivation, learning, and other complex behavior. Prerequisites: BIO 11404 ("C-" letter grade or higher), PSY 22804 ("C-" or better) (Fall)

**PSY 34303 Sport Psychology** (3 sem. hrs.) Sport psychology can be defined as the integration of the science of psychology to the practice of (a) optimizing the performance and well-being of athletes, (b) facilitating the developmental and social aspects of sports participation, and (c) studying the impact of sports settings

and organizations. Sport Psychology interventions focus on helping athletes, coaches, administrators, parents, and others involved in sports across a variety of settings, competition levels, and ages, from young children to professional athletes. (Spring)

**PSY 35103 Psychological Tests and Measurements.** (3 sem. hrs.**)** Survey of major tests of intelligence, aptitude, interest, and personality as presently used in clinics, schools, personnel offices, and research settings. Emphasis on evaluation and comparison of tests, rationale of test construction, and ethical considerations in testing. Prerequisite: PSY 11103 ("C-" letter grade or higher). (On Demand)

**PSY 36103 Sensation and Perception** (3 sem. hrs.) This course examines the way the brain encodes stimulus information that results in sensations and perceptions. We will utilize scientific research and concepts as we explore across all modalities with a focus on visual perception. We will also study the perceptual experiences of attention, time, and consciousness. For a more in-depth understanding of these processes, we will look at scientific techniques that measure perceptual experiences. Prerequisites: PSY 11103 ("C-" letter grade or higher) and PSY 34203 ("C-" letter grade or higher). (On Demand)

**PSY 37103 Personality.** (3 sem. hrs.) An examination of several prominent personality theories and their present applications. Prerequisite: PSY 11103 ("C-" letter grade or higher). (Spring 2021, 2023)

**PSY 38801-03 Selected Topics in Psychology.** (1-3 sem. hrs.) A seminar course involving the study of some aspect of psychology that does not fall under one of the other course descriptions. Prerequisite: PSY 11103 ("C-" letter grade or higher). (On Demand)

**PSY 39503 Laboratory Experience I** (3 sem. hrs.) This course serves as an instruction to laboratory research in psychology. Students can begin work on their own project or work on current research taking place in the laboratory of their choice. The nature of laboratory research varies by project and by stage of project, so duties may include, but are not limited to, training on laboratory equipment and procedures, literature review and analysis, writing an APA formatted research proposal, preparing laboratory documents, participant recruitment, data collection and/or analysis, presenting in formal settings and/or at professional conferences, laboratory maintenance, and general promotion of psychology and science. Prerequisites: PSY 26204 and instructor approval. (On Demand)

**PSY 39902-06 Independent Study in Psychology**. (2-6 sem. hrs.) Independent study and/or research under the supervision of a faculty member of Psychology. May include directed research and readings, formal in-depth study of a topic of special interest to the student, individual projects, special education experiences, or a practicum in which theories and their practical applications are brought together in a single educational experience. Prerequisites: Sophomore standing, completion of at least six credit hours in the discipline, sponsorship by a full-time Psychology faculty member, and approval of the Dean of the College of Behavioral Sciences. (On Demand)

**PSY 42103 Cognitive Neuroscience** (3 sem. hrs.) Cognitive Neuroscience is the study of the biological process which underlie behavior, learning, thought and experience. This course builds on students' understanding of neuroscience and psychology to explore information processing, behavior, language, and more. Special attention is paid to the neurological factors which drive behavior and give rise to a range of disorders. Prerequisites: BIO 12104, BIO 12204, CHM 15005, CHM 15505, PSY 32103, PSY 32203, and PSY 11103

**PSY 42203 Counseling Skills and Theoretical Foundations.** (3 sem. hrs.) An introduction to the skills of helping and making a difference in people's lives. Reviews different types of counselors and their theoretical orientations. Examines important historical developments that have shaped the evolution of the counseling profession. Students will explore the "self as instrument" concept in developing their own philosophy of the therapeutic relationship. A study of mental disorders, changing conceptions of normality, common forms of mental disorders and their psychological interpretation, and the principles of effective metal hygiene as it applies to the individual, home, school, and society. Prerequisite: PSY 11103 ("C-" letter grade or higher). (Spring)

**PSY 42303 Clinical Neuropathology** (3 sem. hrs.) This course captures foundational concepts in modern psychiatric care and neuroscience and makes them clear and accessible. It provides students with a broad knowledge base covering many of the latest developments in the field of neuroscience, including our most modern understanding of developmental disorders, various pathologies of neurological systems, the role of microbiology in neurological care and more. Upon completion, students will be well prepared to pursue graduate study or work in the sciences, armed with a strong understanding of the current state of both Neuroscience and Mental Health and the connections between both. Prerequisites: BIO 12104, BIO 12204, CHM 15005, CHM 15505, PSY 32103, PSY 32203, and PSY 11103

**PSY 47103 Abnormal Psychology.** (3 sem. hrs.) A study of mental disorders, changing conceptions of normality, common forms of mental disorders and their psychological interpretation, and the principles of effective mental hygiene as it applies to the individual, home, school, and society. (Spring)

**PSY 47603 History and Systems of Psychology.** (3 sem. hrs.) A historical review of the important systematic positions in psychology viewed in a broad social and intellectual context. Emphasis will be given to the roots of psychology in philosophy, as well as modern theories of psychology as a science**.** Prerequisites: PSY 11103 ("C-" letter grade or higher and Junior/Senior standing. (Spring 2021, 2023)

**PSY 47901-06 Community Practicum in Psychology.** (1-6 sem. hrs.) A field experience focusing on observation and participation in the activities of an agency or organization that provides psychological, mental health, educational, or research services in the community. May be repeated once for a maximum of six (6) credit hours. Prerequisites: Accepted psychology majors only,

Junior or Senior standing, sponsorship by a full-time member of the Psychology faculty, and approval by the Dean of the Behavioral Sciences. (On Demand)

**PSY 47903 Senior Capstone** (3 sem. hrs.) This is a research and writing course in which students will practice psychology-related skills necessary for enhanced future success after completing their current program of study at URG (e.g., entering graduate school or the job market). Students will investigate topics relevant to their personal and professional objectives after graduation and engage in learning activities to help them move closer to the accomplishment of these objectives in evidence-based ways (e.g., conduct a full literature review, submit a research proposal to the IRB, write a term paper, present a poster at a professional conference). (Spring 2021)

**PSY 49503 Laboratory Experience II** (3 sem. hrs.) This course serves as an advanced laboratory experience. Students can continue/complete their own project and/or take on a leadership role as Lead Research Assistant. Both roles include organizing and conducting laboratory research. Prerequisites: PSY 39503 and instructor permission. (On Demand)

## RAD - Radiological Technology

**RAD 10101 Introduction to Radiologic Sciences** (1 sem. hrs.) Introduces students to the field of radiology. The course provides an overview of the role and responsibilities of a radiographer. It also covers the fundamental concepts of ethics and law issues. One-hour lecture. Internet course fee required. Prerequisites: Met RAD academic requirements and official acceptance into the RAD program. (Fall)

**RAD 10202 Radiation Physics** (2 sem. hrs.) Introduces the principles of x-ray production, types of radiation, interactions, and applications in diagnostic imaging. Two-hour lecture. Internet hybrid fee required. Prerequisites: Official acceptance into RAD program. (Fall)

**RAD 11104 Radiographic Positioning and Imaging Procedures I** (4 sem. hrs.) Introduces students to human anatomy, patient positioning, imaging principles, and evaluation criteria used in clinical practice. The course focuses on the following areas: chest, abdomen, and upper appendicular skeleton. Two-hour lecture, three-hour lab. Internet hybrid fee required. Prerequisites: Official acceptance into RAD program. (Fall)

**RAD 11203 Radiographic Positioning and Imaging Procedures II** (3 sem. hrs.) The course focuses on the following areas: lower appendicular and axial skeletons. Builds upon the knowledge gained in RAD 11104. Three-hour lecture, two-hour lab. Internet hybrid fee required. Course fee required. Prerequisites: RAD 11104 and met RAD academic requirements. (Spring)

**RAD 11302 Imaging and Processing I** (2 sem. hrs.) Provides a knowledge base in factors that control image production process and image quality criteria for taking and evaluating radiographic images are covered. In addition, problem solving techniques and factors that affect image quality are introduced. Four-hour lecture. Internet hybrid fee required. Prerequisites RAD 10202 and met RAD academic requirements. (Spring)

**RAD 11401 Clinical Education** (1 sem. hr.) Provides students an opportunity to perform the skills that they are currently obtaining in RAD 11103. Focus is on the following areas: clinical orientation, imagining principles and routine views of clinical setting, imaging equipment used at clinical setting, and patient positioning of chest, abdomen, and upper appendicular skeleton. Eight (8) clinical hours. Prerequisites: Official acceptance into the RAD program, CPR certification, background checks, and drug screen analysis as per clinical site, and Trajecsys registration fee. (Fall)

**RAD 11502 Clinical Education I** (2 sem. hrs.) Provides students with an opportunity to perform the skills that they have obtained in RAD 11103, RAD 11204, and RAD 11304. Sixteen (16) clinical hours. Course fee required. Prerequisites: RAD 11401 and met RAD academic requirements. (Spring)

**RAD 11601 Computed Tomography** (1 sem. hr.) Introduces students to the basic principles of computed tomography standards used in the clinical practice. The course will focus on the following areas: computed tomography generations, components, operations, processes, and radiation protection. One-hour lecture. Course fee required. Prerequisites: RAD 21503 and met RAD academic requirements. (Spring)

**RAD 21103 Radiographic Positioning and Imaging Procedures III** (3 sem. hrs.**)** This course focuses on the following areas: select axial exams, pediatrics, trauma, mobile surgical, and select special procedures. Builds upon the knowledge gained RAD 11203. Two-hour lecture. Course fee required. Prerequisites: RAD 11203 and met RAD academic requirements. (Fall)

**RAD 21204 Clinical Education II** (4 sem. hrs.) Provides students with an opportunity to perform the skills that they have obtained in RAD 11401and RAD 11502. Thirty-two (32) clinical hours. Course fee required. Prerequisites: RAD 11502 and met RAD academic requirements. (Summer)

**RAD 21302 Radiobiology and Radiation Protection** (2 sem. hrs.) Covers the interactions of radiation with living systems. It also presents the biological responses that occur due to different doses of radiation exposures. Two-hour lecture. Course fee required. Prerequisites: RAD 21204 and met RAD academic requirements. (Fall)

**RAD 21402 Imaging and Processing II** (2 sem. hrs.) Introduces the imaging equipment and its design used in clinical practice. Establishes the basic knowledge of types of computers and software also used in the clinical practice. Two-hour lecture. Prerequisites: RAD 11304 and met RAD academic requirements. (Fall)

**RAD 21503 Clinical Education III** (3 sem. hrs.) Provides students an opportunity to perform the skills that they have obtained in RAD 11401, RAD 11502 and RAD 21204. Twenty-

four (24) clinical hours. Course fee required. Prerequisites: RAD 21204 and met RAD academic requirements. (Fall)

**RAD 21701 Radiologic Pathology** (1 sem. hr.) Introduces students to pathological conditions and basic pharmacology concepts. Describes the systemic classifications of diseases in terms of etiology, types, common sites, complications, and prognosis. Radiographic appearances, procedures, and techniques including the diagnostic contrast agents and/or intravenous medications used in imaging diseases and trauma are examined. One-hour lecture. Course fee required. Prerequisites: RAD 21102 and met RAD academic requirements. (Spring)

**RAD 21804 Radiographic Seminar** (4 sem. hrs.) This course will provide the students an opportunity to refine the knowledge that they have obtained throughout their studies in order to prepare the students to take the National Certification Exam in Radiography. This course will also prepare the students for job interviews upon graduation. Prerequisite: Met Rad academic requirements. (Spring)

**RAD 21903 Clinical Education IV** (3 sem. hrs.) Provides the students an opportunity to perform the skills that they have obtained in RAD 11401, RAD 11502, RAD 21204, and RAD 21503.Twenty-four (24) clinical hours. Course fee required. Prerequisites: RAD 21503, and met RAD academic requirements. (Spring)

**RAD 28801-04 Selected Topics in Radiologic Technology** (1-4 sem. hrs.) Offers students an opportunity to explore topics in radiology that are not generally found in our Radiologic Technology classes. Course fee may be required. Prerequisite: Met academic requirements of RAD program. (On Demand)

**RAD 29901-03 Directed Studies in Radiologic Technology (**1-3 sem. hrs.) Independent study and/or research under the supervision of an instructor in radiologic technology. May include directed research and readings, formal in-depth study of a topic of special interest to the student, individual projects, special educational experiences, or a practicum in which theories and their practical applications are brought together in a single educational experience. Prerequisites: Sophomore standing, the completion of at least one semester of RAD courses, and permission of the instructor and program director. Course fee may be required. Prerequisite: Met academic requirements of RAD program. (On Demand)

## RCP - Respiratory Therapy

**RCP 10204 Respiratory Fundamentals I** (4 sem. hrs.) This four credit hour course will introduce the student to the role of the Respiratory Care Professional, hospital interactions and procedures, and ethical issues. The student will be briefed on issues of safety and infection control. The student will begin learning respiratory anatomy and physiology and patient assessment. Safe handling of medical gases and administration of medical gas therapy will be covered. The students will learn the basics of medicines used in Respiratory Therapy as well as various techniques of delivering Respiratory Therapy. Students will be given introductory lessons in lab and ABG analysis and an introduction to EKG technology. Students will be instructed in the importance of accurate medical record keeping and of verification of physician's orders. Additionally, the student will attend a seminar outlining the techniques of basic life support and will become BLS certified. Three-hour lecture, three-hour lab. Course fee required. Prerequisite: acceptance into the Respiratory Therapy program. Must also register for RCP 10204L. (Fall)

**RCP 10403 Cardiopulmonary Pathophysiology** (3 sem. hrs.) The most frequently encountered diseases and syndromes are presented in detail. Emphasis is placed on: etiology, signs and symptoms, pathology, clinical manifestations, secular, and treatment. Special emphasis is placed on the respiratory therapist's role in the recognition and treatment of pulmonary disease. The student completing the course is expected to have a firm understanding of the diseases discussed. Understanding the nature of the disease allows rational decisions in providing treatment and patient education. Three-hour lecture. Prerequisite: successful completion of program sequence. Course fee required. (Spring)

**RCP 10501 Respiratory Practicum I** (1 sem. hr.) This practicum is designed to introduce the student to the clinical facility and clinical education. The student is introduced to the aspects of respiratory care as outlined in RCP 10204 Respiratory Fundamentals I. Emphasis is on the supervised practice of basic respiratory care procedures. Practice in gathering information from the patient record, patient evaluation, oxygen administration, and recordkeeping is provided. Ten to twelve (10-12) clinical hours a week, which include pre/ post seminar. Course fee required. Prerequisite: successful completion of program sequence. (Fall)

**RCP 11502 Respiratory Practicum II** (2 sem. hrs.) This course is designed to provide the students an opportunity of performing supervised techniques of cardiopulmonary resuscitation, oxygen therapy, humidity and aerosol therapy, aerosol drug therapy, lung inflation, and techniques used in electrocardiography. This is a continuation of the aspects of respiratory care as outlined in RCP 10204 Respiratory Fundamentals I, RCP 11204 Respiratory Fundamentals II and RCP 22503 Cardiopulmonary A & P. Emphasis is on the supervised practice of basic respiratory care procedures. Sixteen (16) clinical hours a week. Course fee required. Prerequisite: successful completion of program sequence. (Spring)

**RCP 11604 Respiratory Fundamentals II** (4 sem. hrs.) This course is a continuation of RCP 10204 Respiratory Fundamentals I with the focus on medicine delivery devices, EKGs, pulmonary functions and patient education. The student is introduced to the principles and practices of stress testing, polysomnography, respiratory home care, and pulmonary rehabilitation. Throughout the course emphasis is placed on the relationship of the test results to various cardiopulmonary disease states. Four-hour lecture. Course fee required. Prerequisite: successful completion of program sequence. (Spring)

**RCP 20103 Management of the Critical Patient** (3 sem. hrs.) This three-credit hour course focuses the student on analysis and application of Respiratory Therapy procedures in management of the critically ill patient. The interaction of the cardiopulmonary system with other life-threatening conditions is examined. Students will utilize knowledge and judgment gained in previous courses to discern the best course of therapy for complex cases. Three lecture hours a week. Prerequisite: successful completion of program sequence. (Fall)

**RCP 20104 Mechanical Ventilation Management Technology** (4 sem. hrs.) The course covers the technology and management of continuous adult mechanical ventilation. Special emphasis is placed on the physiologic effects of various techniques and selection of optimal methods. Monitoring, quality control, and the ability to solve clinical problems relating to mechanical ventilation are emphasized. The course prepares the student to conduct the therapeutic procedures to achieve adequate spontaneous and artificial ventilation. Particular emphasis will be on ventilator complications, physiologic effects and the principles of ventilation management. Various classes of mechanical ventilators are discussed and compared, emphasizing the differences required in their uses. The technology of adult continuous mechanical ventilation is covered. The design, function, and operation of representative mechanical ventilators of the various classifications are examined in detail. Monitoring, quality control, and the ability to solve clinical problems relating to mechanical ventilation are emphasized. Three-hour lecture, three-hour lab. Course fee required. Prerequisite: successful completion of program sequence. (Summer)

**RCP 20203 Neonatal and Pediatric Respiratory Care** (3 sem. hrs.) This course introduces the student to special needs of the neonatal and pediatric patient. Fetal cardiopulmonary development and changes at birth are covered. Equipment, procedures, and methods used in the care and evaluation of neonatal and pediatric patients are also covered. Cardiopulmonary conditions and diseases particular to neonates are discussed. Two-hour lecture, three-hour lab. Course fee required. Prerequisite: successful completion of program sequence. (Summer)

**RCP 20502 Respiratory Practicum III** (2 sem. hrs.) This course is designed to provide the students an opportunity to perform the skills they have obtained in RCP 22503 Cardiopulmonary A & P and RCP 11204 Respiratory Fundamentals II. Emphasis is given to the development of efficiency in the practice of fundamental and advanced respiratory care techniques. The student will receive supervised experience in caring for the critically ill cardiopulmonary patient. Sixteen (16) clinical hours a week. Course fee required. Prerequisite: successful completion of program sequence. (Summer)

**RCP 21202 Seminar/Board Review** (2 sem. hrs.) This course introduces the student to test taking skills, mock examinations of the NBRC matrix, and self-evaluation studies. Study methods and applications are also covered. A study of realistic clinical problems and situations with emphasis on analyzing and evaluating these problems to formulate acceptable respiratory care plans. Practice will be provided in the necessary techniques to take the NBRC clinical simulations examination. Computer simulations are an integral part of the course. Two-hour lecture. Prerequisite: successful completion of program sequence. (Spring)

**RCP 21302 Cardiopulmonary Diagnostics** (2 sem. hrs.) This two-credit hour course is based on the foundation gained from Respiratory Fundamentals I & II and is designed to provide the student with detailed knowledge of procedures. Emphasis will be for students to analyze data and properly apply procedures. Students will continue the study of hemodynamics and cardiac testing and monitoring. Students will learn to navigate the physiology of sleep, the process of rehab and homecare for the pulmonary patient, and the effect of nutrition and age-specific dynamics across the continuum of care. The role of case management and reimbursement issues will be explored. Analysis and application of knowledge learned throughout the program will be tested through scenarios. Management of emergency patients and disaster preparedness will be included. Course fee required. Prerequisite: successful completion of program sequence. (Fall)

**RCP 21502 Respiratory Practicum IV** (2 sem. hrs.) This course is designed to provide the students an opportunity to continue to perform the skills they have obtained in previous respiratory courses and the skills introduced in RCP 20104 Mechanical Vent Technology and Management and RCP 11304 Respiratory Fundamentals III. Emphasis is given to the development of efficiency in the practice of fundamental and advanced airway management, ABG sampling and analysis, pulmonary function testing and sleep studies. The student will receive supervised experience in caring for the critically ill cardiopulmonary patient. Twenty-four (24) clinical hours a week. Course fee required. Prerequisite: successful completion of program sequence. (Fall)

**RCP 21602 Respiratory Practicum V** (2 sem. hrs.) This course is designed to provide the students an opportunity to continue to perform the skills they have obtained in previous respiratory courses. Emphasis is given to the development of efficiency in the practice of fundamental and advanced respiratory care techniques. Students will have special rotations in such areas as Open-Heart Surgery, home care, sleep labs, PICU, NICU, CTICU and ERs. The student will receive experience in practicing computer clinical simulations. Twenty-Four (24) clinical hours a week (average). Course fee required. Prerequisite: successful completion of program sequence. (Spring)

**RCP 22502 Cardiopulmonary Anatomy and Physiology** (2 sem. hrs.) This is a two-credit hour course detailing the anatomy and physiology of the respiratory system. Detailed instruction regarding breathing mechanisms and the control of ventilation will be taught. The student will learn transport and diffusion of gases, acid-base balance, and ventilation/perfusion. The student will be instructed about the circulatory system, cardiopulmonary equations, and hemodynamics as well as function of the renal system. The structure and function of the chest cage, mechanics of breathing, and control of respiration are also included. Course fee

required. Prerequisite: successful completion of program sequence. (Fall)

**RCP 28801-03 Selected Topics in Respiratory Therapy** (1-3 sem. hrs.) This course is a study of Respiratory Therapy topics not included in other course offerings. The format for this course may be special projects, readings, a scheduled class, or a seminar. Course fee required. (On Demand)

**RCP 29901-03 Directed Studies in Respiratory Therapy** (1-3 sem. hrs.) Independent study and/or research under the supervision of an instructor in respiratory therapy. May include directed research and readings, formal in-depth study of a topic of special interest to the student, individual projects, special educational experiences, or a practicum in which theories and their practical applications are brought together in a single educational experience. Prerequisites: Sophomore standing, the completion of at least one semester of RCP courses, and permission of the instructor and program director. Course fee may be required. (On Demand)

## SOC - Sociology

**SOC 11103 (TM) Introduction to Sociology** (3 sem. hrs.**).** An identification and explanation of the principles and an analysis of social life considering its multifaceted character. Topics include the nature of social science, culture and the socialization process, primary groups, social stratification, social structure, population, and social change. ( Fall, Spring, Summer)

**SOC 24103 Minority Groups** (3 sem. hrs.). An objective analysis of the origin, characteristics, status, and adjustments of American racial, ethnic, religious, gender, and other minorities. The course includes a historical study in global context of American multi-cultural diversity through the study of race, ethnicity, and gender. Special emphasis is given to women as a minority group and Appalachia. (Fall)

**SOC 25103 Social Problems** (3 sem. hrs.). Applies sociological methods and theories to analysis of current social problems and development of possible solutions in U.S. and global contexts. Prerequisite: SOC 11103. (Fall)

**SOC 25403 Marriage and the Family** (3 sem. hrs.). A socio-historical analysis of the institutions of courtship, marriage, family, and divorce. Emphasis will be placed on changes occurring in the American family structure and contemporary problems, in particular, the role of women. (Fall)

**SOC 27102 Death and Dying (**2 sem. hrs.). The sociological implications of death and dying in American society. Special attention focused on the social psychological, social structural, and cultural components of death from the distinctly American perspective. Course will apply research findings to real-life issues, including the dying patient, disposal of remains, and survivorship. (On Demand)

**SOC 27203/37203 Introduction to Aging** (3 sem. hrs.). A survey course designed to orient the student in the interdisciplinary study of aging, normal aging processes, the aging individual in society, social problems of old age, and public policy and the older adult. It is intended to enable the student to gain a basic conception of gerontology through instilling a broad base of knowledge for application to other disciplines and occupations. (Spring)

**SOC 27302/37302 Social Gerontology** (2 sem. hrs.). Designed to give the student a specific orientation to the social implications of aging in today's society. Emphasis will be on the social, psychological, economic, and physical aspects of aging. Institutional programming for older adults will be developed through comparison of societies. Deals with the aspects of aging and focuses on the relationship of the older person and the society. Prerequisite: SOC 27203. (On Demand)

**SOC 28801-03 Selected Topics in Sociology** (1-3 sem. hrs.). Topics to be announced in the schedule. (On Demand)

**SOC 29901-03 Directed Studies in Sociology** (1-3 sem. hrs.). Independent study and/or research under the supervision of an instructor in Sociology. May include directed research and readings, formal in-depth study of a topic of special interest to the student, individual projects, special educational experiences, or a practicum in which theories and their practical applications are brought together in a single educational experience. Prerequisites: Sophomore standing and the completion of at least six (6) credit hours in the discipline, as well as sponsorship by an instructor and approval of the Dean of the College of Arts and Sciences. (On Demand)

**SOC 36103 Social Research** (3 sem. hrs.). Designed to give each student such knowledge of statistics, principles, and methods of scientific inquiry that will strengthen the individual's professional practice and develop ability for research. Prerequisites: SOC 11103 and MTH 21404 (Fall, Spring)

**SOC 42103 Sociological Theory** (3 sem. hrs.). A survey of sociological theory from August Comte to the present. The development and utilization of theories will be emphasized. Prerequisite: SOC 11103 (Spring)

**SOC 48801-03 Selected Topics in Sociology** (1-3 sem. hrs.). Topics to be announced in the schedule. (On Demand)

**SOC 49901-03 Directed Studies in Sociology (**1-3 sem. hrs.). Independent study and/or research under the supervision of an instructor in Sociology. May include directed research and readings, formal in-depth study of a topic of special interest to the student, individual projects, special educational experiences, or a practicum in which theories and their practical applications are brought together in a single educational experience. Prerequisite: Junior or Senior standing and the completion of at least twelve (12) credit hours in the discipline, as well as sponsorship by an instructor and approval of the Dean of the College of Arts and Sciences. (On Demand)

## SPA - Spanish

**SPA 11103 Elementary Spanish I** (3 sem. hrs.). Grammar, vocabulary, and basic conversation. Ear training in the Spanish sound system. Short reading passages and compositions in Spanish. *This class does not count toward major.* (Fall)

**SPA 11203 Elementary Spanish II** (3 sem. hrs.). Continuation of SPA 11104. Grammar review; free conversation; class discussion of readings; expository composition in Spanish. Prerequisite: SPA 11104. *This class does not count toward major*. (Spring)

**SPA 18801-03 Selected Topics in Elementary Spanish** (1-3 sem. hrs.). A seminar in some aspect or aspects of literature in Spanish. (Spring 2013)

**SPA 21103 Intermediate Spanish I** (3 sem. hrs.). Grammar review of SPA 11104 and SPA 11204. Study of advanced grammar. Introduction to Spanish and Spanish-American culture and civilization. Reading of Spanish and Latin-American literature with some discussion in Spanish. Lectures and oral reports in Spanish. Prerequisite: SPA 11204. (Fall)

**SPA 21203 Intermediate Spanish II** (3 sem. hrs.). Continuation of SPA 21103. Continued study of Spanish and Spanish-American culture and civilization. Reading of classical, traditional, and modern literature in Spanish with class discussion in Spanish. Lectures and oral reports in Spanish. Prerequisite: SPA 21103. (Spring)

**SPA 23803 Spanish Linguistics** (3 sem. hrs.). A seminar in some aspect or aspects of advanced grammar and linguistics. Included: approaches to teaching Spanish. May be repeated for credit with different topics. Dual listed as SPA 33803. Prerequisite: SPA 21203. (Fall)

**SPA 24103 Advanced Conversation and Composition** (3 sem. hrs.). Conversation and discussion of various topics in conversational and formal grammar and selected readings. Emphasis on writing skills. Prerequisite: SPA 21203 or permission of instructor. (Fall)

**SPA 25103 Spanish in the Workplace** (3 sem. hrs.) This blended course has been designed for the professional looking to enhance their speaking skills in the target language in and out of the business world. This course will provide multiple real-life scenarios where the students will have to show how to apply the concepts learned throughout the course. In addition, the students will have the opportunity to improve their speaking, writing, listening and reading skills throughout a variety of online activities in which you will learn to express, discuss and write about your own needs and interests. Moreover, the student will also be exposed to the culture of some of the Spanish-speaking countries in the world. At the end, you should be able to react to your daily job environment, meeting your needs with hands-on language and giving you enough to succeed in the business world. (Summer)

**SPA 25203 Spanish Civilization and Culture** (3 sem. hrs.) This course offers an overview of Spanish History from the year 711, with the Muslim invasion of the Iberian Peninsula, through 1898, when the last territories of the Spanish Empire were finally lost. These two endpoints are of special importance to Spain's history. The first marks the beginning of the era in which the Iberian Peninsula came to be known as Al-Andalus, a powerful Muslim territory that "broke" the homogeneity of Christian Iberia and greatly impacted what Spain is today. The second marks the fall of the Spanish Empire with the loss of Cuba, Puerto Rico and the Philippines. As a result, this moment also means a new national focus on internal, enduring problems, such as the need for modernization, economic development and the conquest of democratic values. The 20th century has been a struggle to achieve all this. The class will examine the main political, social, economic and cultural events that occurred during this time period, explaining the fusion of cultures during the Middle Ages, the "construction" of Spain at the beginning of the Renaissance, the rise and fall of the Hapsburg Empire, European hegemony and the struggle to modernize after the Enlightenment; an understanding of these events provides great insight into contemporary Spanish life, and explains why Spain is the way it is in the 21st century. (Fall)

**SPA 28801-03 Selected Topics in Intermediate Spanish (**1-3 sem. hrs.). A seminar in some aspect or aspects of literature in Spanish. An author, a period, a genre, or the examination of a theme in representative works. May be repeated for credit with different topics. Dual listed as SPA 38801-03. Prerequisite: SPA 21203. (On Demand)

## SWK - Social Work

**SWK 21103 Introduction to Social Work** (3 sem. hrs.). A survey course to orient the student to the field of social work. Introduces an understanding of people as individuals and as members of groups and communities. Generic roles emphasizing change and responsibility are explored and identified. Major topics include: history and mission of social work, professional values, nature of the social work relationship, and fields of practice. Course Fee Required. (Fall, Spring)

**SWK 22103 Human Behavior and Social Environment I (or HBSE I)** (3 sem. hrs.). A course designed to provide the student with a comprehensive understanding of human behavior and the social environment; integration of knowledge gained in the biological, psychological, and socio-cultural realms; and the impact of these forces on the development of individuals. Prerequisites: SWK 21103, BIO 11404, ENG 11203, PSY 11103, SOC 11103, SOC 24103, and HPE 10101. (All may be taken concurrently.) (Fall)

**SWK 23103 Social Welfare Institutions** (3 sem. hrs.). An introduction to social service agencies as society's response to social problems. Orientation will emphasize the practice approach in the context of contemporary social welfare policy. Welfare philosophies will be identified in the application of policy and service evaluation. Prerequisites: SWK 21103, POL 11103, HIS 13203, and SOC 25103. (All may be taken concurrently.) (Fall)

**SWK 24103 Fundamentals of Generalist Practice** (3 sem. hrs.). An integrating methods course that builds on the developing appreciation of human behavior in the social environment to identify the knowledge, values, and skills that serve as social work resources to intervene in people-environment transactions as systems. The basic concepts of generalist practice provide a foundation for exploring the generic aspects of social work methodology. Prerequisites: MTH 21404, SWK 21103, SWK 22103, SWK 23103. (Spring)

**SWK 24203 Interviewing Skills** (3 sem. hrs.). A skill-building course designed to develop the information collecting requirements of all social service positions. Emphasizing practical situations and role-playing, students will participate in identifying their personal style of engaging clients in directed conversation. Learning to exchange information establishes communication skills and forms the basis for case management. Prerequisites: SWK 21103, and COM 11103. (Spring)

**SWK 25101 Group Supervision** (1 sem. hr.). Taken concurrently with the first field experience, SWK 28902, this course allows practicum supervision to monitor classroom/ field integration. A major focus is on developing self-evaluation skills. Course fee required. Prerequisite: SWK 24103 (May be taken concurrently.). (Fall, Spring, Summer)

**SWK 28801-04 Selected Topics in Social Work** (1-4 sem. hrs.). A study of topics not included in current social work offerings or topics of more in-depth study than covered in current social work courses. The course may be repeated for credit upon change of the course topic. Prerequisites: Proposed by social work instructor, review by program director, review by School Chair, and approval by the Dean of the College of Arts and Sciences. (On Demand)

**SWK 28901-02 Social Work Field Observation and Reporting** (1-2 sem. hrs.). The introductory field experience for the social work major provides the student with the opportunity for direct exposure to social service in an agency setting. Through affiliation with an agency as service provider, the student observes the nature of the client-worker relationship. The development of perceptual orientation and description skills is emphasized through varied levels of observation. The student will spend up to eight (8) hours per week for ten (10) weeks in an agency setting. Oral and written reports are required. Sites are approved by Field Placement Director. Prerequisite: SWK 24103 (May be taken concurrently.). (Fall, Spring, Summer)

**SWK 29901-03 Directed Studies in Social Work** (1-3 sem. hrs.). Independent study and/or research under the supervision of an instructor in Social Work, and approved by the Director. May include directed research and readings, formal in-depth study of a topic of special interest to the student, individual projects, special educational experiences, or a practicum in which theories and their practical applications are brought together in a single educational experience. Prerequisites: Sophomore standing and the completion of at least six (6) hours in the discipline, as well as sponsorship by an instructor and approval of the Dean of the College of Arts and Sciences. (On Demand)

**SWK 32103 Human Behavior and Social Environment II (or HBSE II)** (3 sem. hrs.**).** An analysis of the social organization of the community and its service networks. This course solidifies a system's perspective of the social environment with particular emphasis on defining the dynamics of community. Differentiating target systems in the social environment confirms an ecological perspective as a base to generalist problem solving. Prerequisite: SWK 22103. (Spring)

**SWK 34103 Generalist Methods-Microsystems** (3 sem. hrs.). This course promotes an appreciation of the individual existing in a social environment. Working with individuals the student recognizes the importance of developing skill in problem identification, interviewing, strategy selection, and effective intervention. The socializing task of the developing family is recognized as a primary social environment. Microsystem size is differentiated in the generalist context. Prerequisite: SWK 24103. (Fall)

**SWK 34202 Generalist Methods – Group Work** (2 sem. hrs.). An introduction to the use of group work as an interventive strategy. Generalist methodology acknowledges a fluid transactional zone and appreciates strategies which maintain, promote, and remediate group functioning. Exploration of group theory and group skills are achieved through both didactic and experiential methods. Process observation reveals leadership and membership, decision making, conflict resolution, power, norms, attractiveness, and creativity. Prerequisite: SWK 24103. (Spring)

**SWK 34303 Generalist Methods – Macrosystems** (3 sem. hrs.). An analysis of macro organizational and community structures, i.e., bureaucracy, institutions, stratification, collective behavior, and social change. Generalist methodology differentiates organizational, policy and program development, and cause advocacy. Prerequisite: SWK 24103. (Spring)

**SWK 35201 Advanced Group Supervision** (1 sem. hr.). Taken concurrently with the middle level field experience, SWK 38901-03, this course stresses peer review, theory/practice integration, and self-evaluation. Prerequisites: SWK 24103 and SWK 28902. (Fall, Spring, Summer)

**SWK 38801-04 Selected Topics in Social Work** (1-4 sem. hrs.). A study of topics not included in current social work offerings or topics of more in-depth study than covered in current social work courses. The course may be repeated for credit upon change of the course topic. Prerequisites: Proposed by social work instructor, review by program director, review by the School Chair, and approval by the Dean of the College of Arts and Sciences. (On Demand)

**SWK 38901-03 Social Work Practicum** (1-3 sem. hrs.**).** A middle level field experience focusing on the development of practice skills in the context of the social work relationship. The student is introduced to the responsibilities of professional intervention, generalist problem-solving methodology, and social policy as

negotiated service. The student will spend up to ten (10) hours per week for twelve (12) weeks in an approved agency setting. Sites are approved by the Field Placement Director. Prerequisites: SWK 24103 and SWK 28902. (Fall, Spring, Summer)

**SWK 42103 Social Welfare Policy Analysis** (3 sem. hrs.**).** An advanced course in social welfare philosophy analyzing the relationship between social problems, social policy, and social service. The seminar orientation encourages political inquiry, developing the student's skill in policy, research and practice integration. Independent research and peer review cultivates the healthy tension of democratic debate. Prerequisite: SWK 24103. (Spring)

**SWK 44103 Social Work Methods and Process** (3 sem. hrs.). An advanced methods course focusing on the principles of generalist practice as an integration of the continuum of traditional social work focus (individual, family, group, organization, and community). Performance evaluation is based on a beginning level of professional social work practice. Prerequisites: Senior status, SWK 24103, SWK 28902, and SWK 38903. (Fall)

**SWK 46103 Practice Research** (3 sem. hrs.). This course focuses on the application of research methods to practice and agency evaluation. Activities will focus on evaluation of the effectiveness of individual practice, formative and summative program evaluation, and needs assessment. Prerequisites: SWK 24103, SWK 38903, and SOC 36103. (Fall)

**SWK 48101 Senior Field Seminar** (1 sem. hr.**).** An integrating seminar class to be taken concurrently with the senior field placement, SWK 48605/48705. Group supervision will focus on knowledge-skill-attitude-value integration in generalist practice. Prerequisites: SWK 25101 and SWK 35201. Fall/Spring/Summer

**SWK 48605 Social Work Field Placement A** (5 sem. hrs.). This major senior level practicum is the first half of a two-semester sequence requiring 200-clock hours (minimum 12 week) affiliation with an approved social service agency. The purpose is to develop and establish the student in beginning professional social work practice. Performance evaluation focuses on knowledge-value-skill integration. Sites are approved by the Field Placement Director. Prerequisite: SWK 44103 (May be taken concurrently.). (Fall, Spring, Summer)

**SWK 48705 Social Work Field Placement B** (5 sem. hrs.). A consecutive assignment in the same agency as established in SWK 48605 requiring 200-clock hours (minimum 12 week) affiliation and increased responsibility. Performance evaluation continues with supervision. Sites are approved by the Field Placement Director. Prerequisites: SWK 46103 and SWK 48605. (Fall, Spring, Summer)

**SWK 49901-04 Directed Studies in Social Work** (1-4 sem. hrs.**).** Independent study and/or research under the supervision of an instructor in Social Work, and approved by the Director. May include directed research and readings, formal in- depth study of a topic of special interest to the student, individual projects, special educational experiences, or a practicum in which theories and their practical applications are brought together in a single educational experience. Prerequisites: Junior or Senior standing and the completion of at least twelve (12) hours in the discipline, as well as sponsorship by an instructor and approval of the Dean of the College of Arts and Sciences. (On Demand)

## TEC - Technology

**TEC 11704 Applied Technical Mathematics I.** (4 sem. hrs.). A study of percentages, ratios, powers, roots, units of measure, using English and metric units, scientific notation, engineering notation, numbering systems (binary and hexadecimal), exponentials and logarithms, manipulation of algebraic expressions and formulas used in technical problem solving, quadratic equations, solving word problems, systems of equations, exponential functions, logarithmic functions, trigonometric functions, vectors as related to technical problem solving, addition of vectors, subtraction of vectors, complex numbers, and usage of calculators. Three-hour lecture, two-hour lab. Prerequisite: Passage of MTH 10403 or equivalent skill level as indicated by the score on the placement exam. (Fall)

**TEC 11804 Applied Technical Mathematics II.** (4 sem. hrs.). A study of right triangles, angular measure (degrees and radians), trigonometric functions, graphs of trigonometric functions, semi-log graphing**,** logarithmic graphs, bar graphs, pie charts, probability, combinations, permutations, sampling, frequency distributions, central tendency, normal distribution, z-scores, t-scores, and usage of calculators. Three-hour lecture, two-hour lab. Prerequisite: TEC 11704 Applied Technical Mathematics I. (Spring)

**TEC 18801-03 Selected Topics in Technology.** (1-3 sem. hrs.) This course is designed to be a study of topics not included in regular technology course offerings. The format of this course may be independent, directed study or a scheduled class. Prerequisite: Permission of the instructor. Course fee may be required. (On Demand)

**TEC 49901-03 Directed Studies in Technology.** (1-3 sem. hrs.) Independent study and/or research under the supervision of an instructor in any of the technology areas offered in the School of Technology. May include directed research and readings, formal in-depth study of a topic of special interest to the student, individual projects, special educational experiences, or a practicum in which theories and their practical applications are brought together in a single educational experience. Prerequisites: Junior or senior standing and permission of the instructor. Course fee may be required. (On Demand)

# Graduate Programs

## Athletic Coaching and Leadership

**Bunce School of Education**
***College of Arts and Sciences***
Anniversary Hall
740-245-7328 office; 740-245-7523 fax

## Graduate Policies and Procedures

Many undergraduate student policies and procedures also apply to graduate students. It is important for graduate students to familiarize themselves with these policies. Included among them are policies related to Tuition, Financial Aid, Registration/ Deregistration, Academic Grievance/Appeals, Campus Communications, Business Office, Campus Police/Parking, Schedule Changes (add/drop), Incompletes, and Course Cancellations. The policies listed in this section apply to specific graduate programs. Please refer to your advisor or the appropriate graduate office for further information.

## Graduate Admissions

If thinking of applying to the University of Rio Grande, the process can be started immediately by contacting the Office of Admissions at 740-245-7206 or bethanyd@rio.edu .

Students applying to the graduate program must submit the following to the Admission's Office:

- Official transcript showing completion of bachelor program (if bachelor degree is completed at Rio, no transcript is required).
- Three letters of recommendation detailing likelihood of success in a graduate program.

Students must certify that all information contained on their admission application is correct and complete to the best of their knowledge. Those withholding and/or giving false information on the application may be ineligible for admission or later subject to dismissal.

## Transfer of Credits
## MEd:

1. Eight (8) semester or twelve (12) quarter hours of related graduate work with a grade of 'B' or better from another institution may be credited toward the Master of Education Degree upon approval by a committee comprised of three faculty members.
2. While all graduate classes successfully completed at
3. other accredited academic institutions may be considered for transfer, only those with a clear relevance and unmistakable parallel with current University of Rio Grande Graduate courses can be credited toward our degree program.
4. Workshop credits are non-transferable, and do not count toward graduate degree requirements.
5. To be accepted, all transfer credits must be earned from an accredited institution within the past seven years.

## Graduate Student Responsibility

- The student must assume responsibility for knowing the requirements and policies of the Graduate Program at the University of Rio Grande. In no case will a requirement be waived or an exemption granted because a student pleads ignorance of the requirement or asserts that his/ her advisor or other authority did not inform the student of the requirement. While the School of Graduate Studies and the student's advisor will endeavor to aid in every way possible, the responsibility for meeting requirements stated in this Catalog rests with the student.

## Professional Demeanor Standard

Graduate students are expected to maintain high professional and ethical standards, such as, but not limited to:

- Regard for individual worth and dignity.
- Support the principles of individualization (respect for uniqueness), acceptance (respect for individual worth and difference), self-determination (respect for individual choice), and empowerment.
- Integrity, accountability and general ethical conduct.
- "Good Moral Character" meaning the combination of personal traits of honesty, integrity, attention to duty, forthrightness, and self-restraint that enables a person to discharge the duties of the teaching profession fully and faithfully.

A graduate faculty member shall notify the appropriate School Chair in writing if a student violates this standard. The faculty member will include the specific perceived violation accompanied by supporting documentation.

The School Chair will inform the student in person of the alleged violation. The student will have the opportunity to explain the situation.

If the School Chair determines that the student potentially violated the standard, he/she will convene a three person ad hoc committee to review all the relevant documentation, to meet with the student, and to render one of the following decisions: no action taken, probation with specific conditions to be met for reinstatement, or immediate dismissal from the program.

The student may appeal the decision to the Graduate Appeals Committee. A copy of the decision of the Graduate Appeals Committee will be placed in the student's file in the

Graduate Record's Office. The decision is the final step in the appeals process; therefore, no further appeals shall be permitted.

## Retention Standards for Graduate Students

**MEd Students:** Graduate MEd students must maintain a grade point average of 3.0, continue to meet the professional demeanor standard, and complete their program within seven years. A grade of 'D' or 'F' is not acceptable. These classes will not count toward graduation and must be repeated. MEd students must have a minimum 3.25 grade point average to graduate.

## Academic Probation and Suspension

MEd students who have completed more than 8 semester hours and have fallen below the 3.0 grade point average will be placed on "Academic Probation." Students who earn a grade point average of less than 3.0 for two consecutive semesters will be placed on "Academic Suspension" and will be unable to enroll in additional graduate courses. Students on "Academic Suspension" may apply for readmission after one full semester of suspension.

## Faculty Preferences

Because of the complexities of enrollment, registration and the staffing of on-line and classroom courses, requests for particular faculty members or class sections cannot be accommodated.

## Class Attendance

Students are expected to attend classes and are accountable for work missed as a result of absence from class for any reason. The attendance policy for each course is the prerogative of the instructor. Students should be sure they understand the Attendance policy for each course at the beginning of the term.

## Academic Honesty

Classroom and on-line work is expected to reflect a student's own efforts. Students should not provide works for other students or accept work completed by other students. Students must also be careful in utilizing information from others, especially in term papers and reports. Plagiarism involves the use of another person's ideas or words without noting the source. The use of a term paper or report for more than one class should be cleared with the instructor. With the first instance of dishonesty, a student may be dropped from a course with a failing grade upon recommendation for the instructor or subject to other sanctions. A second instance may result in suspension from the University.

## Commencement

The Commencement Ceremony is held only once per year at the end of Spring Semester; however, degrees are posted each semester. Graduate students are required to apply for graduation by the same deadlines as undergraduate students. The deadlines are as follows: May 31st for Fall graduation and October 31st for Spring and Summer Graduation.

## Program Scope and Sequence

The graduate student is required to work with the academic advisor in planning a graduate program. The courses should be taken in numerical order except where otherwise recommended by the academic advisor. No workshop course will be applied against graduation requirements.

## Advising Procedures

Each student is assigned to an academic advisor that provides assistance in preparing semester class schedules. Prior to class registration each semester, students will meet with their advisor for schedule approval. The advisor will approve their schedule and release the advising hold.

## Program Completion

Graduate students must meet several deadlines to graduate. All graduating students should make an appointment with their academic advisor before or during the first week of the last semester to ascertain deadlines and to ensure that all coursework is or will be completed by the end of the final term. Once this is completed, the student is responsible for contacting the Office of the Registrar for an audit request.

## Student and Advisor Responsibilities

Following official assignment of an academic advisor or Student Success Coach, the graduate student is responsible for discussing degree requirements with that academic advisor. The student should confer with his/her academic advisor on a regular basis to assure continuous progress.

## Master of Education – Athletic Coaching Leadership Concentration

**Bunce School of Education & Liberal Arts**
***College of Arts and Sciences***
Anniversary Hall
740-245-7167 office; 740-245-7175 fax

The University of Rio Grande Master of Education in ACL program is designed for teachers and others who are interested in using an interdisciplinary approach to teaching, learning, and student support. Our program is based on Howard Gardner's "Theory of Multiple Intelligences." Gardner believes that the human mind learns through at least eight different intelligences.

## Online Learning

Our Internet courses are designed to be user-friendly and uncomplicated. Every course was team-developed, and each of our design teams is comprised of members that are highly experienced in their field. Making **half of our courses** available via the Internet during the school year allows teachers in our program to pilot the methodologies that we

present in our courses in their own classroom as they accumulate the knowledge. Technical training and support are built into the program to maximize your learning experience using this exciting medium. An added benefit for the student is that the ability to take courses year-round will allow one to complete the program sooner!

## Description of the Program

The primary goal of the Athletic Coaching Leadership (ACL) concentration is to provide well-qualified coaches for all levels of sports programs. The ACL strives to address the diverse needs of the coaching profession and respond to the changing needs of prospective and practicing coaches. The ACL will not be sport specific. It will continue to develop appropriate sport and situation specific program content to ensure the enjoyment, safety and positive skills development of America's coaches.

The interest in sport activities is at an all-time high in the United States and growing. Some factors that spark this interest involve the nature of the U.S. population. Children of the Baby Boomers are reaching high school and college age, which is also the highest level of participation in organized sports and recreation activities. Interest in women's sports at every level is growing. This growth has created a need for competent people to fill coaching positions at all levels. The Athlete Coaching Leadership concentration is designed to help meet the challenges generated by this growth.

Today in education many challenges are faced. Coaching leadership faces many of the same challenges as education. This concentration is used as a means to develop self-reliant, self-disciplined, responsible, and capable coaches to lead young men and women. The ACL will continually improve coaches ability to instruct techniques, meet athlete needs, and advance sport performance. This coaching education program prepares both beginning coaches and experienced coaches, therefore we are not limited to teachers and coaches employed by school districts. We will prepare coaches who usually are responsible for short duration, recreational competition. On the other hand, the ACL will prepare experienced coaches who more likely work with elite athletes on a year-round basis and includes high level of competition, emphasizes advanced training, conditioning, techniques, and tactics.

## Learning Outcomes

Students will:

- Establish a coaching philosophy that focuses on the safety, development, and well-being of the athlete. As a key leadership figure, the coach will gain knowledge of how to model and teach appropriate behavior in all aspects of coaching and maintain ethical conduct during practices and competitions.
- Be properly trained in injury prevention and first responder emergency car. The student will be able to recognize high-risk situations, as well as unsafe equipment, facilities, and environmental conditions in order to ensure the safety of the athletes and make necessary modifications to the playing environment should unsafe conditions exist.
- Create research-based, developmentally appropriate drills and teaching techniques that support athlete development while maintaining safety. The student will learn how to encourage healthful decisions by the athlete to promote healthy lifestyles and low-risk training practices.
- Be able to recognize the patterns of cognitive, motor, emotional, and social development, will create effective learning environments that allow athletes to progress and improve at different rates. The student will be able to recognize the need to modify practice and competitive strategies to accommodate the athlete's readiness for competition.
- Develop a practice plan and implement organized practices so that athletes have a positive learning experience. Use a variety of systematic instructional techniques to provide a positive learning environment and maximize the potential of each athlete. Be aware of his or her expectations of an athlete's potential and how it impacts athlete performance.
- Develop skills of all team members into an efficient and successful group. Know how to utilize athletes' abilities to maximize meaningful participation and team success.
- Build administrative skills regarding the needs of the athlete, a key communicator for program goals and policies, and facilitate compliance with established program policies.
- Establish systematic evaluation ensuring that the sport program runs smoothly and efficiently and that the goals and objectives of the program are the focus for the coach, athlete, and team.

**All of the following Education Core classes are required and several need to be taken in a specific sequence: Core Curriculum**

The student is presented with new ways to use technology and research while building dispositions that will develop new leadership skills. The core curriculum gives the student the foundation for more effective study in the concentration areas.

**Core Curriculum**

MIC 50201 Portfolio.....1
MIC 50902 Literacy in Technology .....2
MIC 50403 Learning Theory.....3
MIC 50603 Curriculum .....3

MIC 50303 Mentoring Models ..... 3
MIC 50501 Leaders and Change..... 1
MIC 50802 Research and Evaluation Methods..... 3
MIC 51101 Grant Writing..... 1

**Each of the following Athletic Coaching Leadership courses must be taken.**
ACL 52002 Prof Leadership Principles in Sports ..... 2
ACL 52102 Teaching and Admin of Sports..... 2
ACL 52202 Training, Conditioning, and Nutrition... 2
ACL 52302 Injuries, Prevention, Care, and Mgmnt.. 2
ACL 52402 Sport Ethics and Psychology ..... 2
ACL 52502 Coaching Skills and Strategies ..... 2
ACL 52602 Critical Issues of Risk Mgmnt. in Sports2
ACL 52702 Growth and Development in Sports ..... 2

## Master of Science in Nursing- Adult Gerontology Clinical Nurse Specialist

**University of Rio Grande**
**Contact:**
Dr. Folorunso (Temmy) Ladipo
Interim Director of Master of Science in Nursing
temmy@rio.edu
614-989-4571

### Mission Statement

The MSN program strives to provide students with the knowledge and skills necessary to meet the challenges and opportunities encountered in the advanced nursing practice. Recent emphasis on promotion of health, prevention of illness, as well as advances in caring for the ill, has opened new areas of employment and has created added responsibilities for advanced practicing nurses. The MSN Program introduces students to many opportunities in geriatric health care settings. Today's advanced practice nurse may work in a hospital, a nursing home, a clinic, industry, the community, or physician's office, as well as the Armed Forces. Within these settings, there is ample opportunity to care for persons with varied illnesses common with the geriatric population in various medical, surgical, and mental health needs. Nursing today offers a wide range of possibilities for the nurse to develop and progress. The MSN program provides a foundation for life-long learning and professional development and offers degree programs leading to a Master of Science in Nursing in Adult Gerontology Clinical Nurse Specialist (MSN-AGCNS) designed specifically for advanced practice in nursing. the curriculum is congruent with state requirements, national standards for graduate APRN programs, and nationally recognized graduate level clinical nurse specialist (CNS) competencies. Graduates of the MSN-AGCNS will be prepared to practice in the CNS role and pass a national certification exam and be able to provide advanced nursing care across the continuum of healthcare services from wellness through acute care. Furthermore, graduates will be prepared to meet graduate-level CNS competencies and the CNS spheres of impact. The curriculum focuses on direct and indirect care roles, advanced practice nursing competencies, role-specific professional standards and competencies, and certification requirements. As adult learners, students are expected to bring a unique set of life and educational experiences, values, beliefs, attitudes, expectations, and goals to the learning environment. As a result, the faculty expects that the student will be an active partner with faculty in creating a learning atmosphere that stimulates individual creativity, critical thinking, and intellectual curiosity.

### Accreditation

The University of Rio Grande is accredited by the Higher Learning Commission. The MSN Program is approved by the Ohio Department of Higher Education and the Higher

Learning Commission. The application to apply for accreditation by the Accreditation Commission for Education in Nursing, Inc. (ACEN) has been approved, and the application for accreditation will be filed after one year of starting the program.

## Master of Science in Nursing Learning Outcomes

Students will:

- Synthesize knowledge and evidence from nursing and related disciplines to inform clinical judgment and innovation in advanced practice nursing.
- Provide evidence-based, ethical, and equitable patient-centered care for diverse young to older adults at the individual and system levels.
- Communicate, consult, and collaborate with other professionals to solve complex healthcare problems and improve outcomes for adult populations
- Translate research and current evidence to transform care for young to older adults, advanced nursing practice, and organizations.
- Integrate principles of quality and safety to mitigate risks for patients, nurses, and organizations.
- Demonstrate leadership skills and advanced clinical expertise in designing cost-effective, evidence-based, and quality solutions and policies across the care continuum.
- Incorporate information and technology to manage and improve healthcare delivery in accordance with best practices and policies.
- Exhibit responsibility and accountability for one's personal health and professional values and identity as an advanced practice nurse.
- Demonstrate role competencies as a clinical nurse specialist in the care of adult patients, families, and populations and advancement of nursing practice.

## Admission to the MSN Program

All students seeking admission to the MSN program should contact the URG Admissions Office for details.

**Please see the MSN Student Handbook for re-admission policies.**

## MSN Grading Scale

| Grade | Description | Point Value |
|---|---|---|
| A | (96-100) Excellent | 4.00 |
| A- | (93-95) | 3.70 |
| B+ | (91-92) | 3.30 |
| B | (87-90) Good | 3.00 |
| B- | (84-86) | 2.70 |
| C+ | (81-83) | 2.30 |
| C | (77-80) Average | 2.00 |
| F | (0-76) Failing (far below average) | .0 |

## Academic Progression Requirements

- Students must receive a grade of "C" or better in theory and an "S" in clinical performance (where applicable) to progress to the next semester.
- Students must also obtain an Ohio RN License before the second year in the MSN program.

## Academic Probation and Suspension

MSN students whose cumulative GPA falls below a 2.25 will be placed on "Academic Probation." Students who earn a grade point average of less than 2.25 for two consecutive semesters will be placed on "Academic Suspension" and will be unable to enroll in additional graduate courses. Students on "Academic Suspension" may apply for readmission after one full semester of suspension.

## Academic Integrity Policy

Please see the Statement of Academic Integrity section of this catalog or the MSN Student Handbook.

## Graduation

Students must have successfully completed all MSN courses, Laboratory, Clinicals, and Projects and have earned a cumulative GPA of 2.25 or higher to graduate. All MSN students must apply for graduation with the Office of the Registrar.

## Degree Requirements

## Master of Science in Nursing (7144)

**First Semester**

NUR 50202 Theoretical Basis for Advanced Nursing Practice ..... 2
NUR 50303 Foundations for CNS Practice ..... 3
NUR 51303 Advanced Pathophysiology ..... 3
Total Semester Hours ..... 8

**Second Semester**

NUR 50101 Advanced Health Assessment and Differential Diagnosis Lab ..... 1
NUR 52203 Advanced Health Assessment and Differential Diagnosis ..... 3
NUR 53203 Advanced Pharmacology ..... 3
Total Semester Hours ..... 7

**Third Semester**

NUR 55202 Adult Gerontology Care I: Preceptorship ..... 2
NUR 54303 Adult Gerontology Care I: Aging and Population Health ..... 3
NUR 53303 Research for Evidence-Base Advanced Practice

Nursing..... 3
Total Semester Hours..... 8

**Fourth Semester**
NUR 56202 Adult Gerontology Care II: Preceptorship ..... 2
NUR 55303 Healthcare Information & Technology . 3
NUR 56303 Adult Gerontology Care II: Acute Illness Management..... 3
Total Semester Hours..... 8

**Fifth Semester**
NUR 57202 Adult Gerontology Care III: Preceptorship ..... 2
NUR 57303 Adult Gerontology Care III: Aging and Population Health..... 3
NUR 51101 Clinical Inquiry I: Project Plan ..... 1
Total Semester Hours .....6

**Sixth Semester**
NUR 59403 Adult Gerontology Care IV: Preceptorship .....3
NUR 58303 Health Policy and Advocacy .....3
NUR 52101 Clinical Inquiry II: Project Implementation and Outcomes.....1
NUR 59303 Adult Gerontology IV: Nursing and Systems Leadership .....3
Total Semester Hours .....10

Total Semester Hours for Program .....47

## Graduate Course Numbers

Numbers 50000 and 60000 indicate Graduate Level courses. The last two numbers indicate the number of credit hours the course carries, ranging from 1 through 10. As an example, course number 50403 carries three semester hours.

## ACL – Athletic Coaching Leadership

**ACL 52002 Professional Leadership Principles in Sports.** This course will increase awareness of the need for continued professional development and recommend resources for coaching, safety, sport science, and sport-specific information. This course will facilitate and encourage direct contact with sports governing bodies so that coaches can remain up-to-date on the most current rules and any local modifications. A practical field experience and supervision will be the cornerstone of this course. Each coach will conduct the field experience during the year following the offering of the course. (100 hours required) (2 semester hours)

**ACL 52102 Teaching and Administration of Sports.** This course will dissect the "science" of coaching, which involves building a repertoire of proven instructional methods and understanding the influence of different motivational techniques. The "art" of coaching is knowing and using the right instructional strategy at the right time for the right player. The coaches will study how to use objective and effective procedures for evaluating and selecting players and staff. Adequate attention will be given to administrative details, which is a large part of a successful sports program. This course will teach skills and techniques for positive and effective communication and show the importance of interaction with the public, players, parents, spectators, other coaches, administrators, and the press. (2 semester hours)

**ACL 52202 Training, Conditioning, and Nutrition.** The course focuses on how proper fitness and sport conditioning determine both success and safety in an athlete's performance. Emphasis will be on understanding bodily systems and the science of conditioning for athletes. Students will learn how participation in a sport can benefit the overall health of an individual. This goal can be met only if the coach has an understanding of how training, conditioning, and nutrition benefit the athletes. (2 semester hours)

**ACL 52302 Injuries, Prevention, Care, and Management.** This course will promote the concept that the first priority in sports is the welfare and safety of all players. Coaches will have the understanding that properly trained coaches can reduce the occurrence of injury and minimize the consequences of those that may occur. This course will cover the basic understanding of first aid and CPR and how to assist players with recovery and rehabilitation after injuries. Completion of this course will meet the sport safety training required by all coaches in junior high or high school in Ohio. (2 semester hours)

**ACL 52402 Sport Ethics and Psychology.** This course will highlight the role coaches play in creating the right environment for nurturing both the human spirit and the spirit of competition. Focus will center on the coaches' need to learn motivational skills and instructional techniques that recognize the importance of self-esteem to the player's development and eventual sport success. Identifying historical and current social barriers and promoting the acceptance of cultural differences will help coaches prepare players for both competition and life. Coaches will also identify desirable behaviors and structure experiences to develop such behaviors in each athlete. Coaches will learn to instill a sense of ethical conduct in sport to sustain respect for coaches, athletes, and officials. (2 semester hours)

**ACL 52502 Coaching Skills and Strategies.** This course will help coaches understand the tactics and strategies of their particular sport in order to teach players the basic skills and give them a functional understanding of how the sport should be played. Coaches will examine how to organize, implement, and evaluate practice sessions relative to program goals over the season. Coaches will prepare a season plan of sequenced instruction that considers the expected progress in player abilities. Identifying and applying specific competitive tactics and strategies appropriate to the age and skill level of players will be discussed, as well as how coaches should assess the strengths and weaknesses of an opponent and document this in usable form. (2 semester hours)

**ACL 52602 Critical Issues of Risk Management in Sports.** Risk management is the role coaches play in minimizing the potential risks inherent in sport participation. Coaches will be prepared for their role by knowing the scope of their responsibilities, understanding how parents and players can provide informed consent, and conveying the need for appropriate insurance. Coaches will be encouraged to continue their education and offer information concerning resources such as clinics, workshops, membership in professional organizations, and subscriptions to publications that can enhance the coach's effectiveness to promote the health, safety, and success of the players. (2 semester hours)

**ACL 52702 Growth and Development in Sports.** A key component in this course is gaining knowledge about the typical course of physical, mental, and psycho-social development of players. Coaches will study differences in body structure, understand basic movement capabilities and biomechanics, and set performance goals that reflect developmental readiness. Information about cognitive development and appropriate expectations for children who are involved in the sport will be included. Coaches will become aware of the psychological and sociological challenges related to peer pressure, body image, and self-esteem issues for players of different ages. (2 semester hours)

## MIC- Multiple Intelligence Core

**MIC 50201 Portfolio.** Students are introduced to the concept of evaluation and assessment with emphasis on portfolios. Assessment strategies will be presented. Students will personalize their learning experiences by documenting learning related to every class required for graduation. Students are expected to plot a trajectory for themselves to generate evidence of the process of learning. Students will apply knowledge gained through research to the design of an appropriate assessment program based on the mission, goals, and objectives of the respective school system. (1 semester hour)

**MIC 50403 Learning Theory.** In this course, students explore and contrast various learning theories in light of current brain research, societal and environmental influences, and school practices. Prerequisites: EDT-50201 Portfolio and EDT-50902 Literacy in Technology (3 semester hours)

**MIC 50902 Literacy in Technology.** This course emphasizes the uses of computers in education, data management, and content area application. (2 semester hours)

**MIC 50303 Mentoring Models.** This course focuses on several teaching models and how these models may be applied in the classroom. (3 semester hours)

**MIC 50501 Leaders and Change.** The focus of this course is on the empowerment of teachers as agents of change in curriculum and instruction. (1 semester hour)

**MIC 50603 Curriculum.** Students will learn how to write lesson plans that are creative, pertinent, and interesting, by integrating the arts. Emphasis will be placed upon the state curriculum models. Students will be given the opportunity to share with and gain ideas from their peers. (3 semester hours)

**MIC 50802 Research and Evaluation Methods.** This course is designed to introduce students to the following types of educational research: Historical/descriptive, correlational, and experimental (with a survey of statistics used in that area). Emphasis will be on authentic assessment methods and using research results in the school. (2 semester hours)

**MIC 51101 Grant Writing.** This course focuses on the research and preparation of a proposal for funding. (1 semester hour)

## NUR- Nursing

**NUR 50101 Advanced Health Assessment and Differential Diagnosis Lab** This course provides opportunities for practice and application of advanced health assessment skills in laboratory and virtual settings. Students will demonstrate expert clinical skills required for history taking, health assessment, physical examination, diagnostic testing, and interpretation and documentation of assessment findings. Students are expected to analyze assessment findings for differential clinical diagnosis in the role of the clinical nurse specialist. Students develop skills for communication and documentation of findings. (1 semester hour)

**NUR 50202 Theoretical Basis for Advanced Practice Nursing** This course explores the history and significance of nursing knowledge and theory, process for developing and critiquing theory, and the analysis and application of nursing and related theories in research and practice. Students analyze and apply theories for care of adults as an advanced practice nurse. (2 semester hours)

**NUR 50303 Foundations for Clinical Nurse Specialist Practice** This course introduces the Clinical Nurse Specialist (CNS) roles as an advanced practice nurse. Students explore core competencies and outcomes across the spheres of patient direct care, nurses and nursing practice, and organizations/systems. The course addresses the contributions of the CNS in shaping quality and safe patient care, health policy, professional practice, and performance standards in adult/gerontology. (3 semester hours)

**NUR 51101 Clinical Inquiry I: Project Plan** This course provides students with an opportunity to explore evidence-based guidelines and innovations for improvement of chronic disease management for adults. This faculty-guided experience expands the students' knowledge of the role of the clinical nurse specialist in project development for improvement of clinical, nursing, and organizational outcomes in a selected practice setting. Students take this course in the semester before the final semester. (1 semester hour)

**NUR 51303 Advanced Pathophysiology** This course focuses on pathophysiologic processes across the lifespan that cause organ and system alterations. It explores clinical manifestations of disease, and management of various health problems. The course provides a foundation for differential diagnosis and clinical decisions in advanced practice nursing. (3 semester hours)

**NUR 52101 Clinical Inquiry II: Project Implementation and Outcomes** This course provides students with an opportunity to implement a project plan and evaluate clinical, nursing, or organizational outcomes. Working with a preceptor, the student gains insight into evidence-based project management as a clinical nurse specialist in organizations and systems. The student takes this course in the final semester. (1 semester hours)

**NUR 52203 Advanced Health Assessment and Differential Diagnosis** The course focuses on advanced health assessment of all human systems of individuals across the lifespan with an emphasis on adults and older adults. Students will differentiate normal and abnormal findings with consideration of variations for developmental, cultural, and ethnic groups. The course requires analysis of assessment findings for differential clinical diagnosis. (3 semester hours)

**NUR 53203 Advanced Pharmacology** This course focuses on pharmacotherapeutic (pharmacodynamics, pharmacokinetics, drug interactions, and

pharmacogenomics) principles, evidence-based guidelines, and outcomes for major categories of pharmacotherapy prescribed for common and complex health problems across the lifespan. The course also presents the legal, ethical, and professional dimensions for safe, high quality, and cost-effective prescribing by advanced practice nurses. (3 semester hours)

**NUR 53303 Research for Evidence-Based Practice Nursing** This course explores ethical research methods and critical appraisal for translation of evidence into practice and improvement of outcomes for patients, nurses/nursing practice, and organizations/systems. There is a focus on the rigorous critique, generation, and utilization of research, evidence, and data relevant to advanced practice nursing. Students review descriptive and inferential data analysis and interpretation of findings. (3 semester hours)

**NUR 54303 Adult Gerontology Care I: Aging and Population Health** This course introduces the role of the clinical nurse specialist in direct care of adults across the spectrum. It explores theory, research, and evidence in the design, implementation and evaluation of direct care interventions to promote healthy aging and prevention of chronic diseases. There is an emphasis on normal growth and development, age-related changes, health promotion, disease prevention and early detection, and management of common health problems across the adult spectrum for diverse individuals and populations. (3 semester hours)

**NUR 55202 Adult Gerontology Care I: Preceptorship** This course provides clinical opportunities for the clinical nurse specialist student to apply theories, research, and evidence in the design, implementation, and evaluation of direct care interventions to adults and adult populations across the spectrum to promote healthy aging and disease prevention. Students perform comprehensive assessments using evidence-based screening tools and guidelines and design innovative solutions for common health problems to improve health outcomes in adult individuals and populations. Students explore education, coaching, and consulting roles for health promotion and literacy. (2 semester hours)

**NUR 55303 Healthcare Information and Technology** This course explores the use of health information, communication technologies, and informatics to manage and improve the delivery of safe, quality, and efficient nursing and healthcare services. It examines best practices and professional and regulatory standards for application of healthcare technology in a variety of settings for adult/gerontology care. (3 semester hours)

**NUR 56202 Adult Gerontology Care II: Preceptorship** This course provides clinical preceptorship opportunities for advanced care of acutely ill adults across the spectrum. It explores the role of the clinical nurse specialist in the assessment, diagnosis, management, and evaluation of acute health care problems for adult patients. The course facilitates the analysis and application of evidence-based clinical guidelines for the promotion of quality and safety and positive work environment in acute care settings. (2 semester hours)

**NUR 56303 Adult Gerontology Care II: Acute Illness Management** This course focuses on the clinical nurse specialists role in the management of safe, quality care of adult patients across the spectrum who are experiencing acute health problems. It emphasizes increasing the students theoretical and evidence-based knowledge and diagnostic reasoning skills in order to accurately assess, diagnose and manage acute illnesses and facilitate care transitions within and across systems. (3 semester hours)

**NUR 57202 Adult Gerontology Care III: Preceptorship** This clinical preceptorship course provides opportunities for the advanced care of diverse adults with chronic health problems from a patient-centered, holistic approach. It continues a development of clinical expertise and communication, coaching, and consulting skills in minimizing health risks and promoting health literacy and compliance. The course focuses on the design, implementation, and evaluation of evidence-based, cost-effective interventions for improved outcomes. It explores resources and tools relevant to ethical and equitable chronic disease management. (2 semester hours)

**NUR 57303 Adult Gerontology Care III: Chronic Disease Management** This course focuses on the role of clinical nurse specialist in the care of adults across the spectrum with chronic and complex health problems to improve patient outcomes and quality of life. It emphasizes interprofessional collaboration and integration of care for development and implementation of evidence-based, cost-effective interventions and evaluation of chronic disease outcomes. The course explores policy and system issues, epidemiology, genetic advances, and technology relevant to chronic disease management. (3 semester hours)

**NUR 58303 Health Policy and Advocacy** This course focuses on the basic principles of health policy and the leadership role of nurses in advancing specialty practice and health at the local, state, and national/international levels. It addresses the skills, techniques, and approaches for the critical analysis of health policies and issues from ethical, equity, quality, financial, and political perspectives of patients, professionals, and organizations. The course also explores advocacy from an advance practice nursing perspective. (3 semester hours)

**NUR 59303 Adult Gerontology IV: Nursing and Systems Leadership** This specialty course focuses on the clinical nurse specialists leadership role in the spheres of nursing practice and organizations/systems. It addresses evidence-based and ethical leadership, quality and safety, cost-effective care, and clinical, practice, and system outcomes. The course highlights project management and evaluation for quality improvement and explores current policies, issues, and opportunities for creating a culture of excellence in the care of diverse adults across multiple health care systems. (3 semester hours)

**NUR 59403 Adult Gerontology Care IV: Preceptorship** This clinical course provides opportunities for the clinical nurse specialist student to apply evidence-based ethical leadership in the spheres of nursing and organizations/systems for care of young to older adults. The

student evaluates quality, safety, costs, policies, and outcomes in the design of innovative solutions. Management and collaboration with nursing and interprofessional teams for quality improvement of clinical, practice, and system outcomes are emphasized. (3 semester hours)

**Certificate Programs:**
92211 Accounting
4002 Career-Technical Licensure
92214 Certified Financial Planning
92212 Healthcare Administration
9204 Information Technology
92213 Marketing
9310 Medical Coding & Billing
3052 Professional Banking
92011 Small Business Management
9402 Welding

**Two-Year Degree Program Concentrations:**
9029 Allied Health- ATS
2321 Biology – AS
9221 Business Management-AAB
4020 Career-Technical Program OH-AAS
2421 Chemistry-AS
94250 Cybersecurity- ATS
93204 Diagnostic Medical Sonography-AAS
93207 DMS: Cardiovascular – AAS
1420 English-AA
2345 Environmental Science-AS
9027 General Studies-AA
1520 History-AA
94217 Industrial Automation – ATS
94251 Industrial Machinery- ATS
92205 IT: Network Systems – AAS
92206 IT: Prog. & Software Dev.-AAS
2821 Mathematics – AS
94249 Meat Science– ATS
9331 Medical Assisting - AAS
9321 Nursing – AAS
3420 Political Science-AA
94329 Pre-Engineering-ATS
4024 Prekindergarten-AAS
0922 Professional Communications-AA
3520 Psychology-AA
93203 Radiologic Technology-AAS
93205 Respiratory Therapy – AAS
3120 Social Services-AA
74410 Sport & Exercise Studies – AS
----- Technical Studies-ATS
1721 Visual Art-AA
94216 Welding-ATS

**Four-Year Major Program Concentrations: (Minor Required)**
2340 Biology-BS
3041 Business Management – BS
3046 Computer Science-BS
1540 History-BS
2840 Mathematics-BS
3541 Psychology-BS
7441 Sport & Exercise Studies-BS

**Four-Year Minor Programs:**
3030 Accounting
1730 Art
3050 Banking
2330 Biology
3031 Business Management
3054 Certified Financial Planning
3032 Computer Science
1430 English
2344 Environmental Science
30335 Healthcare Administration
1530 History
3039 Information Technology
3035 Marketing
2830 Mathematics
3430 Political Science
0935 Professional Communications
3530 Psychology
4030 Sensory Impairment

**Four-Year Comprehensive Major Program Concentrations: (No Minor Required)**
50513 Applied Healthcare Admin. 2+2 BTS
2351 Biochemistry-BS
7643 Diagnostic Medical Sonography – BS
2342 Environmental Science-BS
0945 Individualized Degree Program (requires Academic Policy approval)
5040 Industrial Technology-BSIT
09401 Liberal Studies-BA
50532 Neuroscience- BTS
7141 Nursing-BSN
0951 Professional Communications-BS
50531 Public Health-BTS
3141 Social Work- BSW
5050 Technical Studies – BTS
1750 Visual Art-BFA
23431 Wildlife Conservation - BS

**Education: Licensures-BS (Comprehensive Majors, Majors, and Concentrations)**
40405 Primary PK-5/Primary PK-5 Intervention Specialist
40406 Primary PK-5/Intervention Specialist K-12
40470 Intervention Specialist K-12
*Middle Childhood (Grades 4-9) Major requiring two areas of concentrations*:
40415 Mid Child: Lang Arts/Soc. Studies
40416 Mid Child: Lang Arts/Math
40417 Mid Child: Lang Arts/Science
40418 Mid Child: Soc. Studies/Math
40419 Mid Child: Soc. Studies/Science
40420 Mid Child: Math/Science
*Adolescent to Young Adult (Grades 7-12) Major requiring one of the following concentrations:*
40431 AYA: Integrated Language Arts
40432 AYA: Integrated Mathematics
40434 AYA: Integrated Social Studies

**Graduate Programs:**

4058 Coaching Leadership-MEd **Pending Ohio Department of Higher Education Approval
7144 Master of Science in Nursing

Albert & Myrtle Essman Memorial Scholarship
Alberta Koehler Scholarship
Aramark Facility Services Scholarship
Archon Alumni Scholarship
Arthur E. Kisor Memorial Scholarship
Atwood (Permelia Wood)
Atwood (Athena - Chi Omega Alpha Alumni Scholarship)
Atwood Scholarship Endowment (Quasi)
Atwood Scholarship Endowment
Austin E. Knowlton Memorial Scholarship
Axel & Selma Dahlberg Memorial Scholarship
Bank One-Scholarship
Barry M. Dorsey Scholarship
Ben R. Evans Memorial Scholarship
Bernard V. Fultz Scholarship
Beryl Halley Falkenhainer Scholarship
Bevo Francis Scholarship for Athletes
Cariseo Scholarship
Carl Dahlberg Scholarship
Carol R. McCaslin Miller Holzer School of Nursing Memorial Fund
Carolyn Ward Quittner Scholarship
Central Benefits Mutual Insurance Company Nursing Scholarship
Central Ohio Alumni Association Scholarship
Champions of Character Scholarship
Charles A. Frueauff Foundation Nursing Scholarship
Charles A. Frueauff Foundation Scholarship
Chi Omega Alpha Chapter of Athena Scholarship
Clark Baker Scholarship for Athletes
Claude & Mary Swick Memorial Scholarship
Claude Edward Winters Scholarship
Cloene "Sammy" Samuels Scholarship
Clonch/Dyer Scholarship
College of Business Indian Student Scholarship
Cyril B. Harpster Memorial Scholarship
D. Lester & Gladys Clyse Davis Scholarship
D. Wayne Evans Athletic Scholarship
Dailey Scholarship Fund
Daniel M. and Ruth M. Evans Scholarship Fund
David A. Cofer, Sr. Memorial Scholarship
David K. and Ann W. McCarrell Scholarship
David L. and Margaret Jenkins Evans Memorial Scholarship
David Reed Harrison Scholarship
Dean S. Brown Memorial Scholarship
Dean William A. Lewis Scholarship
Delma L. Roush Scholarship
Delta Epsilon of Alpha Sigma Phi Fraternity Scholarship
Dillon Memorial Scholarship
Don Allen Memorial Scholarship
Don G. and Connie Pullin Scholarship for Meigs Center
Donald & Maxine Scott Scholarship
Dorothy & Donald Rice Scholarship
Dorothy Daniel Hayes University of Rio Grande Endowed Scholarship
Dr. and Mrs. Ernest R. Miller Scholarship
Dr. Daniel T. Jenkins Scholarship
Dr. David and Ann McCarrell History Prize
Dr. Earl J. Levine Scholarship Fund
Dr. Keith & Evelyn Brandeberry Nursing Scholarship
E. E. Davis/Oak Hill Bank Scholarship
Edward E. Davis Memorial Scholarship
Edward O. McCowen Scholarship
Edward Roark Memorial Scholarship
Edwin & Lola Jones Memorial Fund
Edwin A. Jones Scholarship
Elizabeth Bauer Memorial Scholarship
Elizabeth Hamrick Memorial Scholarship
Elizabeth M. Hawley & Jack M. Hawley Scholarship
Ella Rothgeb Memorial Loan Fund
Ellen Pratt Scholarship in Education
Elva Fulks Memorial Scholarship in Nursing
Eulah Williams Memorial Scholarship
Evan & Maxine Evans & Bert Crothers Memorial Scholarship
Evan E. & Elizabeth Davis Soccer Scholarship
Fletcher Benton Scholarship for Sculpture or Ceramics
Floyd Rees Memorial Scholarship
Fred Gilbert and James O. Frownfelter Memorial Scholarship
Friends of Bob Evans Scholarship
G. Edward & Christine Spees Family Scholarship
Gallipolis Area Jaycees Scholarship
Gallipolis Saddle & Sirloin Riding Club Scholarship
Garland E. and Jennie R. Elliott Scholarship
George H. Deuble Foundation Scholarship
Grace Davis Will Scholarship Endowment
Gregory T. Neff Memorial Scholarship
Grover & Emma Lucas Salser, Sr. Scholarship
Gwenzilla Rosser Runyan Memorial Scholarship
Harland and Freda Martin Scholarship for Nursing
Harold E. Wiseman Memorial Scholarship
Harris Bartine Fine Woodworking Scholarship
Harrison-Northup Scholarship
Helen Clark Russell Scholarship
Henry E. & Marjorie M. Fruth Scholarship
Holzer Hospital School of Nursing Class of 1966 Scholarship
Ivan Tribe Scholarship
J. Perry Bradbury Memorial Scholarship
J. W. and Harty Blazer Weatherholt Scholarship
Jack E. & Frances R. Fruth Scholarship
James D. Euler Scholarship
James L. 'Red' Dutey Memorial Scholarship
James O. Brannon Memorial Scholarship
James T. & Effa W. Weed Scholarship
Janice Hagen Memorial Scholarship
Jean E. Gloss Scholarship
John C. Wickline Scholarship
John Ellis Evans Scholarship
John F. Stiffler Family Scholarship
Joseph H. Bitonte Memorial Fund
Judge Frank Eaton Memorial Scholarship
Judge John. L. Beckley Scholarship
Kautz Chester Alumni Association Scholarship
Kermit & Helen Daugherty Scholarship
Keven E. Smith Scholarship
L. Allen Smith Fine Woodworking Scholarship
L.O. & Henrietta Howard Soccer Scholarship
Lee O. Ramey Scholarship
Lenora M. Campbell Memorial Scholarship
Leo C. Hill Scholarship
Leo Crownover Memorial Scholarship
Louis L. & Ida E. Preston Memorial Scholarship
Luella Robinson Snyder Scholarship
Lyvonia Clark Bunce Scholarship
Manufacturing Technology Scholarship
Margaret "Megganne" Hukill Welsh Studies Scholarship
Margaret A. (Peg) Thomas Scholarship Fund
Margie Jenkins Memorial Scholarship
Marjorie Biddle Halliday Scholarship

Mark Abell URG Honor Scholarship
Mark Cappel Memorial Scholarship
Mary Lou Crawford Scholarship
Max W. Morrow Scholarship
McDonald's Restaurant Scholarship
McNelly, Patrick & Associates Scholarship
Medical Mutual Athletic Scholarship
Merlyn Ross Memorial Scholarship
Milton Banking Company of Wellston Scholarship
Morris E. & Dorothy W. Haskins Scholarship
Mr. and Mrs. Sidney H. Fadely Memorial Scholarship
Myron E. Morgan Scholarship Fund
Myrtle Fox 1952-53 Redman Championship Team Scholarship
Nationwide Insurance Foundation Scholarship
Nellie and Floyd Six Scholarship
Nellie Zimmerman Will Memorial Scholarship
Oder Family Scholarship
Ohio Valley Bank Scholarship
Paul Dovyak Social Work Alumni Scholarship
Paul H. & Leah B. Harrison Scholarship
Paul Mutzig Memorial Scholarship
Pauline Graham Memorial Scholarship
People's Banking Scholarship
Philip & Mary Jenkins Memorial Scholarship
Powell-Lamb Scholarship
Professional Education Scholarship
Racine Home National Bank Scholarship
Ralph Taylor Scholarship
Ray and Pearl Carter Dyer Memorial Scholarship
Raymond E. Mason Appalachian Student Scholarship
Reba Rucker Memorial Scholarship
Rhea Family Scholarship
Richard Rase Redstorm Basketball Memorial Scholarship
Robbins & Myers Scholarship
Robert C. & Oshel Woods Dabney Mason County WV Scholarship
Robert H. Eastman Scholarship
Robert L. & Alice Frye Rannells Scholarship
Robert S. Jenkins Scholarship
Robert S. Wood Scholarship
Roger D. Williams Memorial Scholarship
Roland G. Will Scholarship
Ronald K. Glover Athletic Scholarship
RSR Enterprises Endowment Scholarship
Russell F. Smith, Jr. Scholarship
Ryan Keefer Memorial Scholarship
Saunders Memorial Scholarship
Scott Bucklad and William T. Hall Scholarship
Shane Memorial Scholarship
Stanley L. Evans Memorial Scholarship
Stanley L. Evans Scholarship
T. K. & Ruth Owens Scholarship
Thelma Rees – Ohio Valley Bank Scholarship
Thomas & Jane Stowers Osborne Scholarship
Thomas A. Jenkins and Mabel W. Jenkins Memorial Nursing Education Fund
Thomas A. Jenkins Memorial Scholarship
Thomas H., Martha O. and Eugene L. Bailes Memorial Loan Fund
Thomas L. & Catherine R. Carlisle Scholarship
Thomas O. & Nina G. Denney Memorial Scholarship
Tim and Betty Evans Scholarship
Tri-State Foundation Library Acquisition
U.S. Bank – Firstar Bank of Gallipolis Scholarship
University of Rio Grande WesBanco Family Scholarship
University Women's Club Athletic Scholarship for Women
University Women's Club Mary Christensen Scholarship
University Women's Club Scholarship
University Women's Club Scholarship in Memory of Mary Lewis
URG Alumni Association Scholarship
URG Endowed Scholarship
Vinton County National Bank Scholarship
Virginia Lloyd Kunkle Scholarhsip
Wade & Reva Hutchinson Evans Scholarship
Waldren Family Scholarship
Warren F. Sheets & Phyllis Williamson Sheets Scholarship
Willa Breland Loan Fund in Social Work
William a. & Mary L. Lewis Scholarship
William C. McDonald Scholarship
William Freytag Memorial Scholarship
William Judd Scholarship
William L. Cooper Scholarship
William Randolph Hearst Foundation Scholarship
William T. Hull Scholarship
Withee Scholarship
WOW Scholarship Fund in Memory of George Reid

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B.A., Capital University, 1996

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B.S., Miami University, 1992
B.A., Miami University, 1991

**Katie Moleski,** *Associate Professor of Sports and Exercise Studies (2012)*
Ph. D., Ohio University, 2021
M.S., Ohio University, 2008
B.S., Ohio University, 2005

**Lilia Moyer**, *Assistant Professor of English, English as a Second Language Director*
M.A., Wright State University, 2008
B.A., Universidade Federal do Rio Grande do Sul, 1992

**Christopher Parish,** *Assistant Professor of Physics (2022)*
Ph.D., The University of Texas at Dallas, 2019
M.S., The University of Texas at Dallas, 2014
B.S., Midwestern State University, 2011

**Rachel Payne,** *Instructor of Radiologic Technology/Clinical Coordinator (2022)*
A.A.S, University of Rio Grande, 2017
A.A.S., University of Rio Grande, 2016

**Wayne Rossiter**, *Assistant Professor of Biology & Wildlife Conservation (2020)*
Ph.D., Rutgers University, 2012
M.S., Ohio State University, 2005
B.S., Otterbein University, 2002

**Melissa Roush**, *Assistant Professor of Education (2020)*
M.A., Muskingum University, 2018
B.S., University of Rio Grande, 2014
B.S., Fairmont State University, 1991

**Courtney E. Ruggles**, *Assistant Professor of Social Work (2019)*
Ph.D., Capella University, 2018
M.S.W., University of Kentucky, 2013
D.S.W., Capella University, 2018
B.A., Shawnee State University, 2010

**Laura Rupe,** *Assistant Professor of DMS (2005)*
B.S., University of Rio Grande, 2007
A.A.S., Columbia State Community College, 1985

**Stephanie Scott,** *Assistant Professor of Early Childhood Education (2017)*
M.Ed., University of Rio Grande, 2010
B.S., University of Rio Grande, 2002

**Kristie Seagraves,** *Assistant Professor of Nursing (2010)*
M.S. Walden University, 2009
B.S. Marshall University, 2001

**Rashid Shaibu**, *Assistant Professor MSN Program (2023)*
M.S.N., The Ohio State University, 2019
B.S.N., Otterbein University, 2016
A.S., Columbus State Community College, 2012

**Linda A. Sigismondi**, *Professor of Biology (1991)*
Ph.D., Oregon State University, 1986
M.S., Oregon State University, 1982
B.S., Clarion University of Pennsylvania, 1979

**Chad Sinnott**, *Assistant Professor of Career Technical Education (2019)*
Ed. D., William Howard Taft University, 2021
M.Ed., Ohio University, 2004
B.S.S., Ohio University, 2002

**Tamara Small**, *Assistant Professor MSN Program (2023)*
Ph.D., University of Cincinnati, 2020
M.S.N., Indiana Wesleyan University, 2013
B.S.N., Indiana Wesleyan University, 2010
A.A.S., Cincinnati State College, 2003

**Amanda Stevens**, *Assistant Professor of Nursing (2020)*
M.S.N., Western Governors University, 2019
B.S.N., Ohio University, 2012
A.D.N., University of Rio Grande, 2003

**Levi Stumbo**, *Instructor of Welding (2015)*
B.S., University of Rio Grande, 2014

**Tom Suter**, *Instructor of Art (2020)*
M.F.A., Academy of Art University, 2009
M.A., Miami University, 1990
B.F.A., University of Cincinnati, 1985

**Alice Taylor**, *Instructor II of Mathematics (2018)*
Ph.D., Capella University, 2021
M.S., Shawnee State University, 2015
M.Ed., Grand Canyon University, 2014
B.S., Shawnee State University, 2001

**Lisa Theiss**, *Assistant Professor of Nursing (2015)*
M.S.N., Walden University, 2015
B.S.N., Ohio University, 2011
R.N., University of Rio Grande, 1998

**Wesley Thoene**, *Professor of Marketing (2005)*
Ph.D., North Central University, 2011
M.B.A., Ohio University, 2004

**Jessica Varian**, *Assistant Professor of Nursing (2021)*
M.S.N., University of Cincinnati, 2020
B.S.N., University of Rio Grande, 2010
A.A.S., Rio Grande Community College, 2008

**Roger Watson,** *Assistant Professor of Business Management (2006)*
M.A. Ohio University, 1978
B.A. Kentucky Christian College, 1976

**James Wellington,** *Instructor of Biology (2019)*
D.C., Logan College of Chiropractic, 2008
B.S., University of Rio Grande, 2005

**Charles Winters**, *Assistant Professor of Business (2007)*
M.B.A., University of Rio Grande, 2008
B.S., Bowling Green State University, 1993

**Jason Winters,** *Associate Professor of Business (2012)*
D.B.A., Northcentral University, 2017
M.B.A. University of Rio Grande, 2008
B.S. The Ohio State University, 1991
A.S. Cincinnati College of Mortuary Science, 1992

## Faculty Emeriti

**Nasseef Abukamail**
M.S., Ohio University, 1988
B.S., Ohio University, 1986

**Pushpa Agashe**
Ph.D., The Ohio State University, 1972
M.S., Carnegie Mellon University, 1972
M.A., Pune, India, 1964
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M.A., M.F.A., Bowling Green State University, 1979
B.S., The Ohio State University, 1973

**Donald P. Althoff**
Ph. D., Pennsylvania State University, 1983
M.S., University of Nebraska, 1978
B.S., The Ohio State University, 1976

**Marcella M. Barton**
Ph.D., University of Chicago, 1981
M.A., University of Akron, 1973
B.A., University of California, 1970

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M. Ed., Ohio University, 1963
B.S., Rio Grande College, 1960

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Ph.D., Ohio University, 1993
M.S., West Virginia College of Graduate Studies, 1988
B.S., Rio Grande College, 1983
A.T., Fort Steilacoom Community College, 1975

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Ph. D., Capella University, 2001
M.S.W., West Virginia University, 1987
M.S., Marshall University, 1976
B.A., Marshall University, 1973

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M.A., Ohio University, 1997
B.S., University of Rio Grande, 1993

**Elizabeth A. Brown**
Ph.D., University of Chicago, 1988
M.A., University of Chicago, 1975
B.A., Smith College, 1973

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M.S.N., Wright State University, 1987
B.S.N., Ohio University, 1977

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M.A., The Ohio State University, 1941
B.S., Ohio University, 1935
Diploma El. Ed., Rio Grande College, 1930

**Kimball Clark**
Ph.D., The University of Iowa, 1990
M.S., The University of Iowa, 1984
B.S., Brigham Young University, 1981

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M.Ed., University of Cincinnati, 1979
B.S., Morehead State University, 1975

**Ronald E. Craig**
M.S., Ball State University, 1970
B.S., Ball State University, 1964

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Ph.D., Ohio University, 1994
M.A.J., Marshall University, 1986
M.A., Ohio University, 1975
B.S., Rio Grande College, 1974

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M.F.A., Ohio University, 2000
B.F.A., The Ohio State University, 1995

**Alan Dean**
Ed. D., University Southern Mississippi, 1980
M.S., University of South Alabama, 1975
B.S., University of Southern Mississippi, 1970

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Ph.D., University of Pittsburgh, 1978
M.A., University of Pittsburgh, 1972
B.A., University of Pittsburgh, 1970

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M.A., Ohio State University, 1988
B.A., Ohio State University, 1983

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Ph.D., University of Illinois, 1967
M.S., University of Illinois, 1956
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Ph.D., Indiana University of Pennsylvania, 2006
M.A., University of Maryland, 2001
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Diploma of Teaching Methodology, Universidad Autono'ma de Guadalajara, 1980

M.A., Ohio University, 1978
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**Patsy M. Fields**
M.S., West Virginia University, 1984
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Ph.D., Ohio University, 1996
M.A., Ohio University, 1969
B.A., Ohio University, 1968

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M.S., Bowling Green, 1962
B.S., Rio Grande College, 1959

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M.S.N., West Virginia University, 1985
B.S.N., Ohio University,1980

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M.S., Marshall University, 1987
B.S., Rio Grande College, 1982

**Jack W. Hart**
Ph.D., Ohio University, 1970
M.A., Ohio University, 1966
B.A., Ohio University, 1964

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D.Ed., Springfield College, 1978
M.S., University of Massachusetts, 1967
B.S., St. Lawrence University, 1966

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Ph. D., Bowling Green State University, 1976
M.S., Akron University, 1969
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**Robert Hopkins**
Ph.D., Southern Illinois University, 2009
M.S., Morehead State University, 2005
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D.M.A., The Ohio State University, 1992
M.M., The Ohio State University, 1989
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M.S.N., Wright State University, 1984
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A.D.N., Hocking Technical College, 1976

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D.Ed., West Virginia University, 1993
M.A., West Virginia University, 1970
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Ed.D., George Washington University, 1977
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Ph.D., University of North Texas, 1991
M.S., Ithaca College, 1963
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M.S., Fort Hayes State, 1968
B.S., Cedarville College, 1951

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M.A., University of Oklahoma, 1971
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M.A., Ohio University, 1970
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Ph.D., SUNY at Buffalo, 1989
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M.S., University of Arkansas, 1979
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Ph.D., The Ohio State University, 1983
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Ph.D., The Ohio State University, 1973
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Ph.D., Ohio University, 1991
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M.A., The Ohio State University, 1936
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**Barry Thompson**
Ph. D., University of Arizona, 1973
M.A., University of Arizona, 1969
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Th.M., Southern Baptist Theological Seminary, 1943
A.B., Denison University, 1938
Diploma, Rio Grande College, 1936

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Ph.D., University of Toledo, 1976
M.A., Ohio University, 1967
B.S. Ed., Ohio University, 1962

**George Ulrich, C.P.A.**
M.B.A., Florida Atlantic University, 1972
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Ph.D. Ohio University 2008
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Ph.D., Ohio University, 2000
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Ph.D., Ohio University, 2005
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M.A., Marshall University, 1962
B.A., Rio Grande College, 19

**Stephanie Alexander**, *Director of Academic Support Services & Student Accessibility*
Ph.D., Ohio University, 2013
M.Ed., University of Rio Grande, 2003
B.S., Ohio University, 1987

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B.S., University of Rio Grande, 2014
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M.Ed., University of Rio Grande, 2019
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**Brandon Bias**, *Deputy Director of Athletic Recruiting & External Relations*
M.Ed., University of Rio Grande, 2014
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**Heather Black**, *Bookstore Manager*
B.S., University of Rio Grande, 2012

**David Brodeur**, *Director of Facilities*
A.A.S., University of Rio Grande, 2008
A.A.S., University of Rio Grande, 2006
Certifications-International Association of Certified Commercial/Home Inspectors 2014-present

**Lynley Carey**, *Dean, College of Arts & Sciences*
M.S., Salem International University, 2009
M.Ed., University of Rio Grande, 2006
B.S., Ohio University, 1990

**Marlene Childers, R.N.**, *Director, Health Services*
B.S.N., Ohio University, 2011
A.S.N., Otterbein, 1987

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M.S.N., Indiana Wesleyan University, 2022
B.S.N., Indiana Wesleyan University, 2012
A.A.S., Hocking College, 1999

**Chad Curley**, *Director of Financial Aid*
B.S., Urbana University, 2009

**Renée DeLawder**, *Director of Marketing*
B.S., University of Rio Grande, 1999

**Jessica Deweese**, *Assistant Director of Admissions*
M.Ed., University of Rio Grande, 2019
B.T.S., University of Rio Grande, 2016
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**Haley Diltz**, *Student Success Coach*
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**Kelsey Doughman**, *Institutional Research Analyst*
M.Ed., University of Rio Grande, 2017
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M.B.A., University of Rio Grande, 2014
B.S., University of Rio Grande, 2012
A.A.B., Rio Grande Community College, 2011

**Jeanie Erlewine**, *Staff Accountant*
M.S., Kaplan University, 2013
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**Meghann Fraley**, *Chief Financial Officer*
B.S., University of Rio Grande, 2008

**Daniel Fraser**, *ERP Applications Manager*
B.S., University of Rio Grande, 2015

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B.T.S., University of Rio Grande, 2015
A.T.S., Rio Grande Community College, 2013
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M.S., Marshall University, 1998
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M.S., University of Kentucky, 2009
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**Susan P. Haft**, *Director of the Archives, URG Board of Trustees Professional*
B.S., University of Rio Grande, 1983

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M. Ed., University of Rio Grande, 2001
B.S., University of Rio Grande, 1993

**Chris Hammond,** *Softball Head Coach/Transportation Manager*
B.S., University of Akron, 1993

**Adam Hollingshead**, *Learning Support Specialist for English/Writing Assistance*
M.A., Marshall University, 2018
B.A., University of Rio Grande, 2016
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**Allen Hudson**, *Chief Information Officer*
B.T.S., University of Rio Grande, 2016
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B.S., University of Rio Grande, 2021

**Lucia Jones**, *Student Success Coach*
B.A., University of Rio Grande, 2013

**Michelle Kennedy,** *Director, Meigs Center*
M.B.A., University of Rio Grande 2014
B.S.B., University of Rio Grande 2004

**Jeff Lanham**, *Athletic Director*
M.S., Union College, 1987
B.A., Union College, 1983

**Stephen Large**, *MSN Student Advisor*
M.Ed., Mount Vernon Nazarene University, 2012
B.A., Otterbein College, 2006

**David Lawrence**, *Provost/Vice President for Academic Affairs*
D.M.A., Louisiana State University, 2002
M.Mus., University of Washington, 1994
B.M.Ed., Abilene Christian University, 1987

**Seth Lawrence,** *Dean of Students*
M.S.Ed., Walden University, 2017
B.A., Ohio Northern University, 2014

**Lauren Lee**, *Head Coach-Golf & Athletic International Services Liason*
B.S., University of Northwestern Ohio, 2017

**Rebecca Long**, *Vice President of Student and Administrative Affairs/Chief Operating Officer, Rio Grande Community College*
M.A., Marshall University, 2006
B.S., University of Rio Grande, 1999

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B.A., Syracuse University, 2019

**Kristen Mershon**, *Director, Jackson Center*
A.A.S., Rio Grande Community College, 1996

**Scott C. Morrissey**, *Assistant Athletic Director/Men's Soccer Head Coach*
B.B.A., Tiffin University, 1989

**Misty Napier,** *Director of McArthur Center*
B.A., Ohio University

**Chris Nourse**, *Director, Human Resources/Title IX Coordinator*
M.A., Marshall University, 2000
B.A., Marshall University, 1998

**Kaleb Patten**, *Help Desk Manager*
B.S., University of Rio Grande, 2015

**Randall Payton**, *Sports Information Director*

**Folorunso Popoola-Ladipo**, *Interim Director of MSN Program*
D.N.P., Chamberlain College of Nursing, 2017
M.S.N., Capital University, 2010
B.S.N., Capital University, 2003

**Condy Richardson**, *Director of Career Services*
A.I.S, Ohio University, 1994

**Harry Robinson**, *Assistant Coach- Men's Soccer & Dir. Of International Recruiting*
M.Ed., University of Rio Grande, 2021
B.S., University of Rio Grande, 2019

**Cherokee Ruby**, *Rio Grande Community College Treasurer*
B.S., University of Rio Grande, 2017
A.A.B., Rio Grande Community College, 2015
A.A.B., Hocking College, 2012

**Ciara Small**, *College Credit Plus Coordinator*
B.S., University of Rio Grande, 2018

**Ryan Smith**, *President*
B.S., The Ohio State University, 1995

**Tom Sutton**, *Associate Vice President of Administration*
M.Ed., University of Rio Grande, 2006
B.S., Salem International University, 2002

**Michael Thompson**, *Director, Instructional Design and Media Services*
B.S., University of Rio Grande, 2007

**Jean Ann Vance**, *Director, Publications*
B.S., Rio Grande College, 1986

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M.S.N., Wheeling Jesuit University, 2019
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**Teresa Walters**, *Student Success Coach*
B.S., University of Rio Grande, 1985

**Annette Ward**, *Chief of Staff*
M.Ed., University of Rio Grande, 2007
B.S., University of Rio Grande, 1998

**Brad Warnimont**, *Director, Lyne Center/ Baseball Head Coach*
M.A., Ohio State University, 1989
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**Stephanie Wells-Mullins,** *Dean, College of Professional and Technical Studies*
Ed. D. Walden University, 2020
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B.S. University of Rio Grande, 2003
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M.B.A., University of Rio Grande, 2009
B.S., University of Rio Grande, 1996
A.S., TV University of China, 1986

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M.S., Walden University, 2007
B.S.N., Malone College, 1996

**Jess Youse**, *Student Engagement Coordinator*
B.T.S., University of Rio Grande, 2022
A.A.S., University of Rio Grande, 2020

## Administrative Emeriti

**Phyllis Mason**
M.B.A., Wright State University, 1999
B.S., University of Rio Grande, 1996
A.A., Rio Grande Community College

**Mark Abell**
M.Ed., Ohio University, 1978
B.S., Ohio State University, 1970

**Paul Harrison**
B.A., University of Louisville, 1974

## University of Rio Grande Board of Trustees

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Richard LeGrand……...2011……..Jackson, OH
James Caldwell……..1990……Chillicothe, OH
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Esther B. Greer.....1981
Charles A. Weed.....1981
Francis W. Shane.....1982
Samuel S. Davis .....1983
John E. Halliday.....1983
Harland Martin.....1983
Paul C. Hayes.....1984
John L. Beckley .....1986
Max W. Morrow.....1987
Robert L. Evans .....1990
Bernard V. Fultz .....1992
Jeanette Albeiz Davis.....1992
James A. Rhodes .....1993
Vernal G. Riffe, Jr. .....1993
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Evan E. Davis.....2004
John D. Kidd .....2008
Jeffery E. Smith……...2016
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Troy Howdyshell……...2019……Jackson, OH
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Sarah Munn……2021……Jackson, OH
Paul M. Reed.....2004.....Pomeroy, OH
Taylor Rose……2019…….Jackson, OH
Christian Scott..……..2020……..Gallipolis, OH
Jeff Simmons..……2021..……McArthur, OH
Joshua S. Smith……..2018……..Gallipolis, OH

**Trustee Emeritus**

Polly Wetherholt* ..... 1997 ..... Gallipolis, OH

* Deceased

## A


Academic Calendar ..... 1
Academic Credit ..... 31
- Advanced Placement Credit Award ..... 48
- Credit from an Associate Degree ..... 31
- Credit from Degree Granting Institutions ..... 31
- Credit from External Testing Programs ..... 32
- Credit from Military Service ..... 32
- Credit on Transfer ..... 31
- Foreign Language Transfer Credit ..... 32
- Life Experience Credit ..... 32
- Proficiency Credit by Examination ..... 32
- Vocational Articulation Credit ..... 32

Statement of Academic Integrity and Policy ..... 28
Academic Integrity Panel ..... 30
Academic Integrity Procedure ..... 29
- Repeated Violations Procedure ..... 30

Academic Load ..... 31
Academic Policies ..... 28
Academic Probation and Suspension ..... 35
Academic Programs ..... 25
- College of Arts and Sciences ..... 25
- School of Education, Bunce ..... 26
- School of Liberal Arts and Social Sciences ..... 26
- School of Natural Sciences and Mathematics 26
- College of Professional and Technical Studies ..... 26
- School of Nursing, Holzer ..... 26
- School of Allied Health and Exercise Studies 26
- School of Business, Emerson E. Evans ..... 26
- School of Technologies ..... 27

Academic Programs, Registrar, and Services ..... 25
- Mission Statement ..... 25

Academic Services ..... 40
- Accessibility, Office of ..... 40
- Instructional Design and Media Services ..... 42
- IT Help Desk ..... 42
- Jeanette Albiez Davis Library ..... 40-42
- Print Shop ..... 42
- Publications, Office of ..... 42
- The Michael V. and Flora Jenkins Center ..... 40

Accessibility ..... 7, 40, 41
Accreditation and Memberships ..... 5
ADA Policy ..... 7
Administration ..... 205
Administrative Emeriti ..... 207
Admission Policies and Procedures ..... 6
Admission Policy ..... 6
Advanced Placement Credit Award ..... 48
Advising ..... 21
All-Greek Council ..... 20
Alumni Association ..... 6
Appeal Requirements ..... 18
Apprenticeship Pathway Program ..... 47
Appropriate Officials in Cases of Health and Safety Emergencies ..... 8
Approved Appeals ..... 19
Art ..... 50
Athletic Coaching and Leadership ..... 185
Athletics ..... 25
Attendance Policy ..... 33
Auditing a Course ..... 37
Authorizing Release of Non-Directory Information . 8


## B


Bachelor of Technical Studies ..... 113
Biology ..... 51
Board of Trustees RGCC/URG ..... 208
Bunce School of Education ..... 26, 64
Business Management ..... 52


## C


Campus ..... 5
Campus Government ..... 20
Campus Police ..... 22
Career Services ..... 21
Career-Technical Assurance Guides ..... 47
Change of Program ..... 18
Change of Registration (Add/Drop) Fee ..... 13
Chemistry & Biochemistry ..... 56
Class Standing ..... 36
College Credit Plus (CCP) ..... 10
College of Arts and Sciences ..... 25
College of Professional and Technical Studies ..... 26
College Readiness Program ..... 9
- Goal Statement ..... 9
- Mission Statement ..... 9

Commencement ..... 37
Common Abbreviations ..... 27
Compliance with Judicial Orders ..... 8
Comprehensive Fee ..... 13
Computer Science ..... 58
Confidentiality Status ..... 8
Costs and Financial Aid ..... 10
- Appeal Requirements ..... 18
- Application Directions ..... 15
- Change of Program ..... 18
- Change of Registration Fee ..... 13

Comprehensive Fee....13
Course Fees....13
Financial Aid....14
Financial Aid Available for Qualified Students....14
Important Drop/Withdraw information....11
Institutional Fee....13
Course Fees....13
Late Payment Fee....11
Late Registration Fee....13
Maximum Time Frame....17
Non-Attendance Policy....12
Payment Options....11
Re-establishing Satisfactory Academic Progress....19
Refunds....11
Regaining Eligibility....17
Residency Requirements....13
Exceptions....13
General Residency....13
Residency Change....14
Returned Check Fees....11
Return of Unearned Title IV Funds Policy....19
Right of Appeal....18
Satisfactory Academic Policy....16
Appeal Requirements....18
Approved Appeals....19
Re-establishing Satisfactory Academic Progress....19
SAP Statuses....17
Special Circumstances....16
Standards of Academic Progress....16
Standards of Academic Progress Policy....16
Terms of Payment....11
Treatment of Special Coursework....17
Tuition and Fees....10
Types of SAP Appeal....18
Warning and Probationary Status....17
Withdraw....12, 13
Course by Arrangement....36
Course Cancellation....39
Course Fees (RGCC Only)....13
Course Numbers....118, 191
COVID-19....16, 35
COVID-19 Grading Changes....35
Credit from an Associate Degree....31
Credit from Degree Granting Institutions....31
Credit from External Testing Programs....32
Credit from Military Service....32
Credit on Transfer....31
Cybersecurity....59

**D**

Dean's Honor List – Graduation Honors....36
Definitions....27
Degree Audit....31
Diagnostic Medical Sonography....59
Directory Information....8

**E**

Education....64
Emerson E. Evans School of Business....26, 52
Endowed Chairs....6
English....74
English as a Second Language (ESL) Program....9
Environmental Science....75
Excused Absence Policy....33

**F**

Faculty Emeriti....202
Faculty Advisor....31
Faculty Preferences....186
FERPA Policy....7
Financial Aid....14
Financial Aid Available for Qualified Students....14
Foreign Language Transfer Credit....32
Forgiveness Policy....33
Full-Time Faculty....199

**G**

General Education Program....44
Mission Statement....44
Learning Outcomes....44
General Education Requirements....45
General Studies....77
Grading Policy....34
Grading Scale....34
Graduate Course Descriptions....191
ACL – Athletic Coaching Leadership....191
MIC – Multiple Intelligence Core....192
NUR – Nursing....192
Graduate Programs....185
Athletic Coaching and Leadership....185
Academic Honesty....186
Academic Probation and Suspension....186
Admission to the Graduate Program....185
Advising Procedures....186

Class Attendance ..... 186
Commencement ..... 186
Faculty Preferences ..... 186
Graduate Policies and Procedures ..... 185
Graduate Student Responsibility ..... 185
Master of Education – Athletic Coaching Leadership ..... 186
Description of the Program ..... 187
Curriculum ..... 187
Learning Outcomes ..... 187
Online Learning ..... 186
Professional Demeanor Standard ..... 185
Program Completion ..... 186
Program Scope and Sequence ..... 186
Retention Standards for Graduate Students ..... 186
Student and Advisor Responsibilities ..... 186
Transfer of Credits ..... 185
Graduation Requirements ..... 36
Residence Requirements ..... 37
Graduation Requirements for Granting a Second BS or BA Degree ..... 37

**H**

Health Care Administration ..... 78
Health Services ..... 20
History ..... 80
Holzer School of Nursing ..... 26, 91
Honors Program ..... 10, 43
Mission Statement ..... 43
Learning Outcomes ..... 43
Program Acceptance Requirements ..... 44
Requirements ..... 43

**I**

Important Drop/Withdraw information ..... 11
Index ..... 209
Individualized Degree Program ..... 32
Industrial Automation and Maintenance ..... 81
Industrial Machinery ..... 82
Industrial Technology ..... 83
Information Technology – Network Systems ..... 84
Information Technology – Programming and Software Development ..... 84
Institutional Fee ..... 13
Instructional Design and Media Services ..... 42
Insurance ..... 21
Intercollegiate Athletics ..... 25
International Students ..... 8
Intramurals ..... 25
Introduction to Rio Grande ..... 4
Accreditation and Memberships ..... 5
Campus ..... 5
Endowed Chairs ..... 6
Mission Statement ..... 4
Organization ..... 5
The Alumni Association ..... 6
IT Help Desk ..... 42

**L**

Late Payment Fee ..... 11
Late Registration Fee ..... 13
Legitimate Educational Interest ..... 8
Library – Jeanette Albiez Davis ..... 41
Liberal Studies ..... 85
Life Experience Credit ..... 32

**M**

Madog Center for Welsh Studies ..... 44
Major Codes ..... 195
Certificate Programs ..... 195
Comprehensive Majors, Majors, and Concentrations ..... 195
Four-Year Comprehensive Major Program Concentrations: (No Minor Required) ..... 195
Four-Year Major Program Concentrations: (Minor Required) ..... 195
Four-Year Minor Programs ..... 195
Graduate Programs ..... 196
Two-Year Degree Program Concentrations ..... 195
Master of Education – Athletic Coaching Leadership ..... 186
Master of Science in Nursing – Adult Gerontology Clinical Nurse Specialist ..... 188
Mission Statement ..... 188
Accreditation ..... 188
Learning Outcomes ..... 189
Admission to the MSN Program ..... 189
MSN Grading Scale ..... 189
Academic Progression Requirements ..... 189
Academic Probation and Suspension ..... 189
Academic Integrity Policy ..... 189
Graduation ..... 189
Degree Requirements ..... 189
Mathematics ..... 86
Maximum Time Frame ..... 17
Meat Science ..... 87
Medical Assisting ..... 88
Medical Coding and Billing ..... 89

Mental Health Services....21
Mental Health Statement....7
Merit List....36
Military Duty....39
Military Transfer Assurance Guides....47
Mission Statement....4
Motor Vehicles....22

**N**

Neuroscience....90
Non-Attendance Policy....12
Notice of Nondiscriminatory Policy....Inside Cover
Nursing....91

**O**

Ohio Transfer Policies....46
- State Policy Institutional Transfer....46
- Ohio Transfer 36....46
- Transfer Assurance Guides....47
- Career-Technical Assurance Guides....47
- Military Transfer Assurance Guides....47
- Apprenticeship Pathway Program....47
- Advanced Placement Credit Award....48
- One-Year Option Credit Award....48
- Conditions for Transfer Admission....48
- Responsibilities of Students....49
- Appeals Process....49
- Student Complaints Following Transfer Appeals at the Receiving Institution....49

Organization URG/RGCC....5
Organizations....23
- Alpha Chi Nu (Archon)....23
- Alpha Mu Beta....23
- American Marketing Association....23
- Bass Fishing Club....24
- Delta Theta....24
- The Gaming Organization....24
- Honors Program....10,43
- Lambda Nu....24
- LGBTQIA....24
- Medical Math & Science Club....24
- Phi Theta Kappa....24
- Psychology Club....24
- Rio Grande Veterans Organization....24
- Social Work Student Council....24
- Student Senate....24
- Student Chapter of Wildlife Society....24
- Zeta Theta Chi....24

**P**

Part-time Special Student....9
Payment Options....11
Policies....28
Policy for Students called to Military Duty....39
Political Science....98
Pre-Engineering....98
Print Shop....42
Private Donor Scholarships....197
Probationary Admission Student....10
Professional Communications....99
Proficiency Credit by Examination....32
Program Changes....39
Programs (Undergraduate)....50
- Art....50
- Biology....51
- Business Management....52
- Chemistry & Biochemistry....56
- Computer Science....58
- Cybersecurity....59
- Diagnostic Medical Sonography....59
- Education....64
- English....74
- Environmental Science....75
- General Studies....77
- Health Care Administration....78
- History....80
- Industrial Automation and Maintenance....81
- Industrial Machinery....82
- Industrial Technology....83
- Information Technology – Network Systems....84
- Information Technology – Programming and Software Development....84
- Liberal Studies....85
- Mathematics....86
- Meat Science....87
- Medical Assisting....88
- Medical Coding and Billing....89
- Neuroscience....90
- Nursing....91
- Political Science....98
- Pre-Engineering....98
- Professional Communications....99
- Psychology....101
- Public Health....102
- Radiologic Technology....103
- Respiratory Therapy....107
- Social Work....109

Sports and Exercise Studies ..... 112
Technical Studies ..... 113
Welding ..... 114
Wildlife Conservation ..... 116
Programs (Graduate) ..... 185
Master of Education – Athletic Coaching Leadership Concentration ..... 185
Master of Science in Nursing – Adult Gerontology Clinical Nurse Specialist ..... 188
Provisions of the Catalog ..... Inside Cover
Psychology ..... 101
Public Health ..... 102
Publications, Office of ..... 42

**R**

Radiologic Technology ..... 103
Re-admission Student ..... 10
Re-establishing Satisfactory Academic Progress ..... 19
Refunds ..... 11
Regaining Eligibility ..... 17
Registration Procedures ..... 38
Repeat Grade Policy ..... 34
Residency Requirements ..... 13
Exceptions ..... 13
General Residency ..... 13
Residency Change ..... 14
Residential Living ..... 20
Respiratory Therapy ..... 107
Returned Check Fees ..... 11
Return of Unearned Title IV Funds Policy ..... 19
Right of Appeal ..... 18
Rio Grande Community College ..... 4
Rio*NET* ..... 22

**S**

Satisfactory Academic Policy ..... 16
SAP Statuses ..... 17
Schedule Changes (Drop/Add/Withdrawal) ..... 38
School of Education, Bunce ..... 26
School of Liberal Arts and Social Sciences ..... 26
School of Natural Sciences and Mathematics ..... 26
School of Nursing, Holzer ..... 26
School of Allied Health and Exercise Studies ..... 26
School of Business, Emerson E. Evans ..... 26
School of Technologies ..... 27
Senior Citizen/Extended Education Student ..... 9
64-Hour Rule ..... 36
Social Work ..... 109
Sociology ..... 181
Special Circumstances (Financial Aid) ..... 16
Sports and Exercise Studies ..... 112
Standards of Academic Progress ..... 16
Standards of Academic Progress Policy ..... 16
State Policy Institutional Transfer ..... 46
Statement of Academic Integrity ..... 28
Student Affairs ..... 20
Mission Statement ..... 20
Residential Living ..... 20
Campus Government ..... 20
Student Engagement ..... 20
Student Judiciary ..... 20
All-Greek Council ..... 20
Health Services ..... 20
Insurance ..... 21
Mental Health Services ..... 21
Student Success Center and Student Success Coaches ..... 21
Testing Services ..... 21
Career Services ..... 21
Student Engagement ..... 20
Student ID ..... 13
Student Judiciary ..... 20
Student|Space ..... 22
Student Success Center and Student Success Coaches ..... 21

**T**

Table of Contents ..... 2, 3
Technical Studies ..... 113
Terms of Payment ..... 11
Testing Services ..... 21
Transcript Request ..... 39
Ohio Transfer Policies ..... 46
Appeals Process ..... 49
Conditions for Transfer Admission ..... 48
Responsibilities of Students ..... 49
Transfer Assurance Guides ..... 47
Ohio Transfer 36 ..... 46
Transfer Student ..... 9
Transferring From Rio ..... 39
Transient Student Policy ..... 9
Tuition and Fees ..... 10
64-Hour Rule ..... 36
Types of SAP Appeals ..... 18

**U**

Undergraduate Course Descriptions ..... 118
ACC – Accounting ..... 118
AG – Agriculture ..... 118
AHC - Allied Health Careers ..... 119

ART – Art ..... 121
ATH – Anthropology ..... 123
BIO – Biology ..... 123
BM - Business Management ..... 126
CHM – Chemistry ..... 127
COM – Communication ..... 128
CS - Computer Science ..... 130
DMS - Diagnostic Medical Sonography ..... 133
ECO – Economics ..... 137
EDU – Education ..... 137
ELE - Electronic Technology ..... 147
EMS – Emergency Medical Services ..... 148
ENG – English ..... 148
ENT – Entrepreneurship ..... 149
ESL – English as Second Language ..... 149
FIN – Finance ..... 150
FPA - Fine and Performing Arts ..... 151
HCA – Healthcare Administration ..... 151
HIS - History ..... 152
HPE - Health and Physical Education ..... 154
HON - Honors Program ..... 157
HUM – Humanities ..... 158
IND - Industrial Technology ..... 158
IT - Information Technology ..... 160
JRN - Journalism ..... 162
LA - Liberal Arts ..... 162
MA – Medical Assisting ..... 163
MFG - Manufacturing Technology ..... 163
MKT – Marketing ..... 165
MTH – Mathematics ..... 166
NSC - Natural Science ..... 168
NUR – Nursing ..... 169
OT – Office Technology ..... 172
PH – Public Health ..... 173
PHR – Philosophy ..... 174
PHT – Pharmacy Technician ..... 174
PHY – Physics ..... 174
POL - Political Science ..... 174
PSY – Psychology ..... 175
RAD - Radiological Technology ..... 178
RCP - Respiratory Therapy ..... 179
SOC – Sociology ..... 181
SPA – Spanish ..... 182
SWK - Social Work ..... 182
TEC – Technology ..... 184
University Assessment Plan ..... 39
University of Rio Grande ..... 4

**V**

Veterans ..... 22
Veterans Education Benefits Tuition Assistance Policy ..... 23
Vocational Articulation Credit ..... 32

**W**

Wait List ..... 38
Warning and Probationary Status ..... 17
Welding ..... 114
Welsh Study Abroad Program ..... 44
Wildlife Conservation ..... 116
Withdrawal Policy ..... 12, 13, 38

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