Title IX
Carlow University, as an educational institution and as an employer, values equality of opportunity, human dignity, and racial/ethnic and cultural diversity. Accordingly, the University prohibits and will not engage in discrimination or harassment on the basis of race, color, religion, national origin, ancestry, gender, age, marital status, familial status, sexual orientation, disability, or status as a disabled veteran or a veteran of the Vietnam era. Further, the University will continue to take affirmative steps to support and advance these values consistent with the University’s mission. This policy applies to admissions, employment, and access to and treatment in University programs and activities. This is a commitment made by the University and is in accordance with federal, state, and/or local laws and regulations.

For information on University equal opportunity and affirmative action programs and complaint/grievance procedures, please contact the Director of Human Resources and Affirmative Action Officer, Carlow University, 3333 Fifth Avenue, Pittsburgh, PA 15213, 412.578.8897.

Americans with Disabilities Act
Individuals with disabilities who have been accepted to Carlow University have certain rights of equal access to programs and services under the Americans with Disabilities Act Amendment Act of 2008 and Section 504 of the Rehabilitation Act of 1973. Carlow University administration, faculty, and staff make every effort to provide access and reasonable accommodations to students with disabilities, not only in response to these legal guidelines but also as part of its mission to create a community of learners who “respond reverently to God and to others; and to embrace an ethic of service for a just and merciful world.” In addition, they strive to provide the University’s programs and services in the most integrated setting possible. Academic services for students with disabilities are coordinated through the Office of Disability Services, 403 Frances Warde Hall.

Disaster Statement
If there is a natural disaster that interrupts your long-term participation in a course(s), Carlow University will apprise you of the options available to complete your academic course work.

About the Carlow University Graduate Course Catalog
The Carlow University Graduate Course Catalog is the official record of Carlow University for fall 2013 through summer 2014. It contains information correct at the time of publication. Carlow University reserves the right to alter any or all statements contained herein. Consequently, this document cannot be considered binding and is to be used solely as an informational guide. Students are responsible for keeping themselves informed about official policies and for meeting all relevant requirements.
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GENERAL INFORMATION

INTRODUCTION TO CARLOW UNIVERSITY

Carlow University is a small, private, comprehensive, Catholic university offering professional and liberal arts programs. Founded in 1929 by the Sisters of Mercy, Carlow offers a liberal curriculum across all majors to prepare women and men for leadership in the 21st century. With an enrollment of more than 2,300 graduate and undergraduate students, Carlow is committed to providing students with individual attention, a supportive academic environment, and career development. Located in a culturally diverse urban setting, Carlow’s 15-acre campus neighbors the University of Pittsburgh and Carnegie Mellon University. A member of the Conference for Mercy Higher Education, Carlow is recognized for educating traditional students and adult learners for a lifetime of learning, leadership, and service.

- Founded in September 1929 as Mount Mercy College
- University status awarded in 2004
- Women-centered
- Catholic/Liberal Arts
- 2,300 students
- 86 percent female/14 percent male
- Diverse student body
- 11:1 student–faculty ratio
- 27 undergraduate majors
- 11 graduate majors
- Two doctoral programs
CARLOW UNIVERSITY MISSION STATEMENT

Carlow University, a Catholic, women-centered, liberal arts institution embodying the heritage and values of the Sisters of Mercy, engages its diverse community in a process of life-long learning, scholarship, and research. This engagement empowers individuals to think clearly and creatively; to actively pursue intellectual endeavors; to discover, challenge, or affirm cultural and aesthetic values; to respond reverently to God and others; and to embrace an ethic of service for a just and merciful world.

CORE VALUES

Sacredness of Creation—We reverence each person and all of creation and the diversity they embody.

Discovery/Quest—We espouse critical thinking, research, contemplation, and action as essential to the learning process and significant in our search for God.

Intellectual Integrity—We speak the truth gleaned from our intellectual pursuits.

Leadership—We prepare leaders who influence societal, organizational, and family life for the betterment of all creation.

Hospitality—We honor the legacy of Catherine McAuley by being a student-centered, welcoming, and nurturing community of learners.

Service—We engage in service to others with competence and compassion.

Student Progress—We educate, challenge, and expect all students to uncover, expand, and realize their potential. We promote and affirm their progress in understanding and practicing each of these core values as witnessed by all members of the Carlow community.

DEGREES AND PROGRAMS

Undergraduate Degrees
- Bachelor of Arts
- Bachelor of Science
- Bachelor of Science in Nursing
- Bachelor of Social Work

Graduate Degrees
- Doctor of Nursing Practice (DPN)
- Doctor of Psychology (PsyD)
- Master of Arts (MA)
- Master of Business Administration (MBA)
- Master of Education (MED)
- Master of Fine Arts (MFA)
- Master of Science (MS)
- Master of Science in Nursing (MSN)

ACCREDITATION

Carlow University is accredited by the Middle States Commission on Higher Education, 3624 Market Street, Philadelphia, PA 19104 (267.284.5000). The Middle States Commission on Higher Education is an institutional accrediting agency recognized by the U.S. Secretary of Education and the Council for Higher Education Accreditation. Carlow is also accredited by the Commission on Collegiate Nursing Education and is approved by the Pennsylvania State Board of Nursing. Program approval is granted by the Pennsylvania Department of Education for Carlow University’s teacher and school counselor preparation programs. The Bachelor of Social Work is accredited by the Council on Social Work Education. Carlow University’s Doctor of Psychology in Counseling Psychology program is accredited by the American Psychological Association.

MEMBERSHIPS

Association of Catholic Colleges and Universities, the Association of Governing Boards, the Conference for Mercy Higher Education, the Association of Independent Colleges and Universities in Pennsylvania, the College and University Personnel Association, the National Association of Independent Colleges and Universities, the Council of Independent Colleges, the National Association of College and University Business Officers, the American Association of Collegiate Registrars and Admissions Officers, the Society of College and University Planning, the Women’s College Coalition, the Commission on Collegiate Nursing Education, the American Association of Critical Care Nurses, the Allegheny Conference on Community Development, the Urban League of Greater Pittsburgh, the African-American Chamber of Commerce, the Greater Pittsburgh Chamber of Commerce, the Public Leadership Education Network, and the Pittsburgh Council on Higher Education. Carlow University is recognized by the Carnegie Foundation as a comprehensive Masters Medium level institution.
PROGRAMS OF STUDY

Carlow University is chartered by the Commonwealth of Pennsylvania and is authorized by the Pennsylvania Department of Education to award the following graduate degrees:

SCHOOL OF EDUCATION
MEd in Art Education
MEd in Early Childhood Education
MEd in Early Childhood Supervision
MEd with PA certification options:
  • Art Education [Initial teacher certification K–12]
  • Early Childhood Education [Initial teacher certification Pre-K through Grade 4]
  • Secondary Education (grades 7–12) in specific content areas
  • Special Education (Pre-K–8; early or middle level certification required)
  • Special Education (grades 7–12; secondary certification required)

Carlow-issued Certificate:
  • Autism Endorsement

DIVISION OF HUMANITIES
MFA in Creative Writing
  Areas of Concentration:
  • Creative Nonfiction, Fiction, and Poetry

SCHOOL OF MANAGEMENT
MBA
  Areas of Concentration:
  • Business Administration
  • Global Business
  • Healthcare Management
  • Project Management
MS in Fraud and Forensics

SCHOOL OF NURSING
Doctor of Nursing Practice (DNP)
MSN Nurse Practitioner [Family/Individual Across Lifespan]
MSN Nursing Concentration in Education and Leadership (NCEL)
Dual degree: MSN/MBA [Nursing Concentration in Education and Leadership/Healthcare Management Concentration from MBA]
Post-Master Certificate: Nurse Practitioner [Family/Individual Across Lifespan]

SCHOOL FOR SOCIAL CHANGE
Doctor of Psychology [PsyD] in Counseling Psychology
MS in Professional Counseling
  Areas of Concentration:
  • School Counseling
  • Alcohol and Drug Counseling

Carlow-issued Certificates:
  • School Counseling
  • Alcohol and Drug Counseling

ADMISSIONS

OFFICE OF GRADUATE ADMISSIONS
Carlow University
Graduate School
3333 Fifth Avenue
Pittsburgh, PA 15213
Phone: 1.800.333.2275 or 412.578.6059
http://gradstudies.carlow.edu

CARLOW UNIVERSITY
CRANBERRY EDUCATION CENTER
Regional Learning Alliance
850 Cranberry Woods Drive
Cranberry Township, PA 16066
Phone: 724.741.1028
Fax: 724.741.1012

Programs offered in Cranberry:
  • Nursing RN to BSN
  • Nursing RN to BSN Fast Track
  • Early Childhood Education
  • MSN: Nurse Practitioner [Family/Individual Across Lifespan]
  • Post-Master Certificate: Nurse Practitioner [Family/Individual Across Lifespan]
  • MSN in Nursing Concentration in Education and Leadership

CARLOW UNIVERSITY
GREENSBURG EDUCATION CENTER
J.A.S. Professional Park
4534 Route 136
Greensburg, PA 15601
Phone: 724.838.7399 or 1.877.451.3001
Fax: 724.838.7599

Programs offered in Greensburg:
  • Business Management
  • Early Childhood Education
  • Nursing RN to BSN
  • Nursing RN to BSN Fast Track
  • MSN: Nurse Practitioner [Family/Individual Across Lifespan]
  • Post-Master Certificate: Nurse Practitioner [Family/Individual Across Lifespan]
  • MSN with Nursing Concentration in Education and Leadership
  • MEd in Early Childhood Education [with certification option]
GRADUATE ADMISSION PROCESS

Carlow’s admissions process is personalized and convenient, and most programs admit students on a rolling basis soon after all admissions materials are submitted. The Office of Graduate Admissions invites those with at least a bachelor’s degree to consider one of our many fine masters and/or doctoral level programs. Standardized tests such as GREs and GMATs are generally not required at the master’s level. Students applying for graduate admission can submit an application online free of charge at www.carlow.edu.

Admissions counselors are available to help with all steps of the admissions and financial aid processes.

GRADUATE ADMISSION POLICIES AND PROCEDURES

Students are admitted to these programs through the Office of Graduate Admissions, 412.578.6059. International students interested in graduate programs should contact the Center for Global Learning, Carlow University, 3333 Fifth Avenue, Pittsburgh, Pennsylvania 15213 or call 412.578.6010.

Applicants who seek admission to the graduate school must give evidence of the following: academic ability and promise of growth commitment to the educational goals of the program, and experience appropriate to the desired field of graduate study. Admission to the graduate school is based on academic and professional qualifications. Applicants are evaluated on the following:

- Graduate school application,
- Personal essay describing academic objectives, plans for graduate study, and career goals,
- Current résumé or curriculum vitae,
- At least one year of experience in a setting appropriate to the degree or certification sought is preferred (required in some programs such as nursing),
- Two letters of recommendation addressing the candidate’s leadership potential and ability to succeed in graduate level work,
- Official transcripts* from all degree-granting institutions, as well as of all graduate-level courses,
- Evidence of an earned GPA of 3.0, on a 4.0 scale, preferred,
- For international students, official score on the Test of English as a Foreign Language (TOEFL) of at least 90 on the internet-based test with no subsections below 20. Applicants may also submit an official SAT score or 24 or more credits from an accredited American college or university with a C or better (excluding ESL courses).
- Personal interview.

* The transcript is considered official if it contains the seal of the institution and is issued directly to Carlow University. Transcripts delivered to the Office of Graduate Admissions by students are considered official only when sealed in an envelope with the institution’s seal over the flap. Faxed transcripts are not considered official.

Carlow University will accept electronic transcripts for admissions purposes if the following criteria are met regarding the transcript:

1. The transcript is certified as official from the high school, college and/or proprietary school using a third party agency for the certification process. Approved agencies include AVOW Systems, Docufide, National Student Clearinghouse, and Scrip-Safe.

2. The transcript must be a PDF certified document that has no indication of tampering.

3. A college official must receive the transcript from an approved e-transcript service.

4. Carlow University has the right to refuse electronic transcripts or request additional information if there is question about the authenticity of the document.

NOTE: IN SOME CASES, ADMISSION STANDARDS MAY BE SUFFICIENTLY FLEXIBLE TO PERMIT SOME ADMISSION REQUIREMENTS TO BE WAIVED.

GUEST STUDENTS

Guest students are those who wish to register for coursework but who are not admitted to a program of study. Admission to graduate courses as a guest student requires the approval of the appropriate Program’s Director and the Registrar. It is not customary for a student to take more than six credits as a guest student unless she is pursuing post-master’s coursework for licensure or certification.

PROVISIONAL ADMISSION

Occasionally, an applicant is admitted to a graduate program as a provisionally admitted student. Provisional status is granted to an applicant who does not meet all of the admission criteria, but for whom the Admissions Committee believes there is a strong possibility of academic success. Specific guidelines for academic progress must be met by all graduate students in order to remain in good academic standing.
RE-ADMISSION TO THE UNIVERSITY

Re-admission procedures have been established for the following categories of students:

• Any student who attended Carlow as a matriculated graduate student and withdrew before completing a degree,
• Any student who has not attended Carlow for a period of four semesters, including summer terms.
• Any student academically dismissed, please see the Reinstatement Policy on page 15.

To initiate the re-admission process students should:

• Contact the Office of Graduate Admissions at 412.578.8764 or 1.800.333.2275.
• For re-admission as an international student, contact the Center for Global Learning at 412.578.6010 or 1.800.333.2275.
• Complete and submit a re-admission application.
• Submit official transcripts* if post-secondary institutions were attended after leaving Carlow. Include course descriptions from each institution outside of Allegheny County.
• Due to changing admission and curriculum requirements, the University reserves the right to re-evaluate all academic courses, whether completed at Carlow or elsewhere, to determine what will be credited toward the student’s degree. The University also reserves the right to request placement tests, where appropriate.

* The transcript is considered official if it contains the seal of the institution and is issued directly to Carlow University. Transcripts delivered to the Office of Graduate Admissions by students are considered official only when sealed in an envelope with the institution’s seal over the flap. Faxed transcripts are not considered official. International students may send or deliver transcripts directly to the Center for Global Learning.

Carlow University will accept electronic transcripts for admissions purposes if the following criteria are met regarding the transcript:

1. The transcript is certified as official from the high school, college and/or proprietary school using a third party agency for the certification process. Approved agencies include AVOW Systems, Docufide, National Student Clearinghouse, and Scrip-Safe.
2. The transcript must be a PDF certified document that has no indication of tampering.
3. A college official must receive the transcript from an approved e-transcript service.
4. Carlow University has the right to refuse electronic transcripts or request additional information if there is question about the authenticity of the document.

TRANSFER OF CREDITS

Up to six graduate credits may be accepted for graduate credit by Carlow at the discretion of the program director. Students in the Professional Counseling Program may transfer up to 12 credits at the discretion of the program director. Acceptance of transfer credits is specific to each program. Credits must: 1) be comparable or complementary to the Carlow University program, 2) indicate a grade of B or higher, and 3) have been earned no more than five years prior to enrollment in a Carlow University graduate program.

Carlow University reserves the right to deny admission to any applicant who does not meet preferred requirements. Carlow University does not discriminate on the basis of race, color, creed, age, sex, handicap, or national and ethnic origin in the administration of its admission and financial aid policies.

WITHDRAWAL/LEAVE OF ABSENCE

A student who withdraws from the University should complete a University withdrawal form. Students who will be returning to complete their degree can apply for a leave of absence through the Office of the Registrar.
ADMISSION REQUIREMENTS FOR SPECIFIC PROGRAMS

MASTER OF BUSINESS ADMINISTRATION (MBA)
- Completion of a bachelor’s degree with a GPA of 3.0 or higher
- Competency in Microsoft Office Suite
- Ability to work in an online environment
- GRE or GMAT not required
- Personal essay
- Professional recommendations

MASTER OF EDUCATION IN ART EDUCATION
Demonstration of studio competencies via a portfolio review by art education faculty is required.

MASTER OF EDUCATION IN EARLY CHILDHOOD EDUCATION
Successful candidates will have previous degrees or experience in early childhood education or child development. Candidates who seek initial early childhood teacher certification along with the master’s degree will be required to complete initial certification requirements as well as the master’s degree course work. Student teaching is required for initial teacher certification.

MASTER OF EDUCATION IN EARLY CHILDHOOD SUPERVISION
A degree in early childhood education or child development and three years of professional service in early childhood education, leadership potential, and collaborative working abilities are required.

MASTER OF EDUCATION WITH CERTIFICATION OPTIONS
Early childhood education, art education, secondary education in specific content areas, and special education options are available.

Candidates pursuing initial teacher certification must provide evidence of a bachelor’s degree with a GPA of 3.0. Applicants for secondary certification must have a bachelor’s degree in their chosen content area. Applicants for special education must have certification in another area.

MASTER OF FINE ARTS IN CREATIVE WRITING
A MFA program is a low-residency international program for students who want to be professional writers, to teach creative writing at the college level, or to enjoy the satisfaction of writing and reading in an individualized program. Applicants must have a bachelor’s degree with a preferred GPA of 3.0 or higher and be able to attend the two-week long residencies in Pittsburgh and Ireland.

MASTER OF SCIENCE IN FRAUD AND FORENSICS
- Completion of a bachelor’s degree with a GPA of 3.0 or higher
- One year experience in a setting appropriate to the degree, preferred
- Competency in Microsoft Office Suite
- Ability to work in an online environment
- GRE or GMAT not required
- Personal essay
- Professional recommendations

MASTER OF SCIENCE IN PROFESSIONAL COUNSELING
- Evidence of undergraduate work and/or work experience in the helping professions
- Undergraduate courses in abnormal psychology, personality theory, and statistics (descriptive and inferential)

Students who lack the minimum course requirements may be accepted provisionally, pending the successful completion of the required undergraduate courses. Successful work experience and familiarity with the helping professions may offset the undergraduate abnormal psychology and personality theory course requirements.

MASTER OF SCIENCE IN NURSING
A successful candidate must be a graduate of a National League for Nursing or American Association of Colleges of Nursing (AACN) accredited Bachelor of Science degree in a Nursing program with a cumulative GPA of ≥ 3.0; have a current license as a registered nurse in the state in which clinical or internship practice will be completed; and have successfully completed an undergraduate course in statistics within the last six years. The candidate should also meet both university and clinical agency health requirements. Nurse practitioner applicants must have one year or more of recent direct patient care clinical nursing experience.

DUAL DEGREE—MASTER OF SCIENCE IN NURSING / MBA
Candidates for this program must meet all admissions requirements for the Nursing Leadership MSN program and the MBA program as stated above.

DOCTOR OF PSYCHOLOGY IN COUNSELING PSYCHOLOGY
Applicants to Carlow University’s Doctor of Psychology (PsyD) in Counseling Psychology Program must possess a master's degree in professional counseling or a closely related field. The master’s degree must have been granted by a regionally accredited institution in higher education. Master’s degrees are considered closely related if they include course work in the following areas:
Admission Procedures

The following documents are required for application to the PsyD Program in Counseling Psychology. The documents must be submitted in one packet unless otherwise specified:

- Completed application
- Resume or curriculum vitae
- Two essays: 1.) Personal essay that is autobiographical in nature and focuses on the applicant's developmental history, cultural background, and experiences, and explains the applicant's reasons for pursuing doctoral studies in counseling psychology (three to six pages of double-spaced text). 2.) Reflective essay that addresses the applicant's thoughts and understanding regarding the etiology of client distress and the nature of the change process (two to three pages of double-spaced text).
- Three letters of recommendation with reference forms from professionals (i.e., academics and practitioners) who can address the applicant's suitability for doctoral study. Letters are to be typed and submitted on applicable letterhead. (Note: Personal references are not considered.) Applicants should download the reference form from Carlow's website at www.carlow.edu, make three copies, complete the top portion of the forms, and forward the forms to their reference writers.


The applicant should submit all three letters along with all the other application materials. If letters of recommendation/reference forms have not been received by the time the applicant is ready to submit the rest of the application materials, all three letters may be sent together under separate cover at a later date, but in a timely fashion.

The applicant must also arrange for the following information to be sent to the Office of Graduate Admissions:

- Official transcripts from all previous undergraduate and graduate institutions. Official transcripts should be sent by the institution(s) directly to the Office of Graduate Admissions and arrive in sealed envelopes.
- Official scores from the Graduate Record Exam (GRE). The psychology GRE is not required.

DOCTOR OF NURSING PRACTICE

Applicants to the Carlow University Doctor of Nursing Practice Program must have completed the following requirements for admission:

- Bachelor of Science degree in Nursing
- Current RN license
- Master of Science in Nursing degree with a GPA ≥ 3.0
- 1,000 hours of professional nursing practice within the past three years or national certification in a nursing specialty area.

Applicants with degrees in other disciplines will be individually evaluated. Additional master's level courses may be required to meet essential competencies.

Admission Procedures

Applicants should submit the following documents to the Office of Graduate Admissions:

- Completed application form with the $30 application fee or free online application
- Official transcripts from all previous undergraduate and graduate institutions
- Copy of current registered nurse license
- Current curriculum vita
- Two letters containing academic or professional recommendations—from a faculty member who can document the applicant's ability to complete doctoral level work or an employment supervisor who can describe the applicant's professional accomplishments
- Reflective essay describing career goals and expectations

Applicants who are finalists for admission will be invited to interview with school representatives.

PROFESSIONAL LIABILITY COVERAGE

All students in the Doctor of Nursing Practice, Nurse Practitioner: Family/Individual Across Lifespan, Nursing Concentration in Education and Leadership, Master of Science in Professional Counseling, and the Doctor of Psychology in Counseling Psychology programs will be covered by the University's professional liability coverage. The annual cost is approximately $11 per year, but is subject to change, and is included as a fee attached to selected courses. Students will no longer be required to obtain coverage outside of the University to meet this requirement.
INTERNATIONAL STUDENTS: 
ADMISSIONS REQUIREMENTS AND PROCEDURES

International students should obtain an application packet either electronically from cgl@carlow.edu or a hard copy from the Center for Global Learning, Carlow University, 3333 Fifth Avenue, Pittsburgh, PA 15213, USA.

International applicants should submit the following documents to the Center for Global Learning:

**Application Form:** It is important that the intended semester of entry, as well as the student’s date of birth, country of birth, and country of citizenship be indicated.

**Carlow Affidavit of Support:** This form must be notarized and submitted with the application. It must also be accompanied by a recent bank or employer’s statement. The total amount must equal the cost of tuition/fees and room/board for one academic year. If a student has more than one sponsor, each sponsor must submit a Carlow notarized affidavit and accompanying statement.

**Educational Summary Sheet:** All schooling from the first year to the present should be indicated, using one line for each academic year.

**Official Transcripts (Academic Records):** Official secondary school transcripts must be evaluated by an evaluating company submitted directly from the evaluating company to Carlow University. Applicant may choose to use the following evaluation companies: World Education Services (WES) or Education Credential Evaluators (ECE).

**Official TOEFL Score:** An official TOEFL score, SAT score, or 24 or more credits from an accredited American college or university with a C or better (excluding ESL courses) is required. A recent TOEFL score on the Internet Based Test must be at least 90, with no subsection below 20. Additional information on TOEFL registration and payment is available at: http://www.toefl.org/toefl/feeest.html. Additional information on SAT registration and payment is available at http://www.collegeboard.com. For both the TOEFL and the SAT, applicants should be sure to request an official score report for Carlow by using the Carlow school code: 2421. Please note: this requirement is not negotiable, as all applicants to the University must submit official test scores. No application will be considered without results from at least one of these two tests.

**Two Letters of Recommendations:** Official letters of recommendation must be submitted to the Center for Global Learning in original unopened envelopes.

**Health Forms and Insurance:** Completed health form, proof of insurance coverage, and proof of basic hospitalization insurance, along with complete medical records on the Carlow Health Services Form, are required. The Center for Global Learning provides information on available coverage. After formal admission, a student is required to submit a non-refundable U.S. $100 deposit prior to the issuance of a Certificate of Eligibility for Non immigrant Student Status (SEVIS Form I-20) utilized in obtaining the F-1 Student Visa.

**School of Nursing Admissions Policy:** Carlow University School of Nursing accepts graduate students under an F-type Visa for the NCEL program only—provided that the applicant also holds a Pennsylvania Registered Nursing license.

REGISTRATION

Online registration is available to graduate students during the normal registration period. Course schedules and registration information can be found through WebAdvisor and/or on the University’s myPortal site. Admissions personnel can assist new students with this process. Printed registration materials are also available upon request from the Office of Graduate Admissions or the Office of the Registrar. Upon registration, students agree to pay all charges on the student account for that enrollment period according to the standard payment terms available on myPortal. Default of payment will result in a hold on future registration and release of transcripts.

CHANGE OF REGISTRATION

A student is officially registered for a course when included on the official class roster. A student may change registration for classes without financial or academic penalty during the official drop/add period. In eight-week courses, changes of registration must be completed the day before the second class meeting. Tuition refund policies, deadlines, and more details for each semester are available on myPortal or through the Student Hub.

CROSS-REGISTRATION (PCHE)

Full-time graduate students can participate in a cross-registration program through the Pittsburgh Council on Higher Education (PCHE). Students in good academic standing may cross-register for one course per semester in the fall and spring terms only at any of the PCHE institutions. For courses taken through this agreement, the grade appears on the Carlow transcript. Cross-registration course work must be approved by the advisor and registrar. Forms are available in the Office of the Registrar.
FINANCIAL AID

At Carlow University, we understand the unique needs of graduate students and want to assist students with the financial aid process in order to make it possible to complete their post baccalaureate studies. While graduate students are not eligible for federal, state, and institutional grant programs, Federal Direct Student Loans are available. All students are encouraged to use the Carlow website and myPortal for current financial aid information and to access all forms necessary to apply for financial aid.

APPLICATION PROCESS

All financial aid applicants who are U.S. citizens or permanent residents must complete the Free Application for Federal Student Aid (FAFSA) at www.fafsa.gov. First-time borrowers must complete Entrance Counseling and the Master Promissory Note at www.studentloans.gov.

FEDERAL DIRECT STUDENT LOAN

The Federal Direct Student Loan Program is available to matriculated graduate students who are enrolled at least half time, which is a minimum of three credits per semester, at a fixed rate of 6.8 percent. Graduate students are limited to the Federal Direct Unsubsidized Loan in which the borrower is responsible for the interest during in-school and deferment periods. Repayment begins six months after leaving school.

The annual loan limit for a graduate student is $20,500. The aggregate limit for a graduate student is $138,500. The graduate debt limit includes the student loans received for undergraduate study.

FEDERAL DIRECT GRADUATE PLUS LOAN

This loan is available to graduate students with good credit histories. The interest rate is 7.9 percent and repayment begins on the date of the last disbursement of the loan. Eligible students may borrow up to their Cost of Attendance minus any other financial aid that is received, including the Federal Direct Student Loan.

PRIVATE ALTERNATIVE LOANS

In addition to the Federal Direct Loans, there are many private loans that may be used for educational expenses. A list of loans used most frequently by Carlow University students can be found at www.elmselect.com. Interest rates and terms of the loan according to the lender.

RETURN OF TITLE IV FUNDS

The Financial Aid Office recalculates federal financial aid eligibility for students who withdraw, drop out, are dismissed, or take a leave of absence prior to completing at least 60 percent of a semester. Recalculation is based on the percent of earned aid using the following formula:

**Step One:**
Percent earned = \[
\frac{\text{Number of days completed up to the withdrawal date}}{\text{Total days in the semester}}
\]

Federal financial aid is returned to the federal government based on the percent of unearned aid using the following formula:

**Step Two:**
Aid to be returned = \(100 \text{ percent} - \text{percent earned in Step 1}\) x The amount of federal aid disbursed or to be disbursed toward institutional charges

**Withdrawal date is defined as the actual date the student began the institution’s withdrawal process, the student’s last date of recorded attendance, or the midpoint of the semester for a student who leaves without notifying the institution.

The school must return unearned aid by repaying funds to the following sources in the following order:

- Unsubsidized Federal Direct Loan
- Graduate PLUS Loan

When aid is returned, the student may owe a balance to the University. If so, the student should contact the Office of Student Accounts to make arrangements to pay the balance due.

The Federal Refund Calculations only apply if the student is withdrawing from all classes. However, if a student makes changes in registration that result in changes to tuition and fee amounts, the Financial Aid Office will recalculate the Cost of Attendance and may need to change the original amount of aid awarded.
SATISFACTORY ACADEMIC PROGRESS FOR FINANCIAL AID

The United States Department of Education requires that institutions of higher education set standards to measure satisfactory academic progress for students who are receiving Title IV (Federal) Financial Aid. Graduate students are expected to maintain a cumulative GPA of at least 3.0.

PROCEDURE

The Financial Aid Office reviews academic progress after each semester. Transcripts from the Office of the Registrar are reviewed. A graduate student who completes course work with a GPA of less than 3.0 will be placed on Financial Aid Warning for the next semester. Academic progress will be reviewed again after the warning semester. Students who still have less than a 3.0 GPA will have their eligibility for financial aid suspended. A student may submit one appeal for an additional semester of financial aid eligibility. The maximum time frame to maintain financial aid eligibility varies according to the program of study and the number of credits that are required for completion of the program.

APPEAL PROCESS

If the student’s financial aid eligibility is suspended, the student may appeal for one additional semester of eligibility, if the student feels there were extenuating circumstances that should be taken into account. Extenuating circumstances that will be considered are illness, injury, death in the family, or other personal situations that can be documented by a non-family member such as a counselor, minister, social worker, or doctor. All appeals must be typed and forwarded to the director of financial aid with supporting documentation. All appeals are reviewed by an appeals committee. Students are notified of the outcome of their appeal via Carlow email. Appeals that are denied will not be reconsidered. In general, a student may not appeal to have financial aid eligibility reinstated more than one time during enrollment at Carlow University. When an appeal is approved, the student will be placed on Financial Aid Probation and will be eligible for financial aid as long as all other eligibility criteria are met.

Academic Forgiveness: When a student is granted Academic Forgiveness by the provost, the actual earned credits are what are taken into account for the purpose of measuring academic progress for financial aid.

ACADEMIC INFORMATION

ACADEMIC ADVISING

All students are assigned an academic advisor when they are registered for classes in a program. Students are expected to meet with their advisor prior to beginning their program of study. Most graduate programs have an order in which courses are to be taken. Students are rarely exempted from following the prescribed sequence of courses.

The academic advisor is responsible for helping the student make informed choices about course selection, but it is the student’s responsibility to ensure that courses are taken in the appropriate order and that all requirements of the program are satisfied for graduation.

It is expected that the student will maintain the same academic advisor throughout tenure as a student within the program. If a conflict does occur between the academic advisor and the student, the student may request a change of advisor. The program director will review the request, discuss the request with the concerned parties, and determine if a change is necessary. If so indicated, the program director will assign a different academic advisor.

ORIENTATION

Graduate orientation programs are mandatory for new students. The orientation program is the first step to a successful Carlow experience. Students will learn valuable information about their IDs, parking, and technology at Carlow; they will also have the opportunity to meet and socialize with one another and with the members of the faculty, staff, and administration. For more information about graduate orientation, students should visit the Carlow website.

TRANSCRIPT REQUESTS

All requests for official transcripts should be submitted in writing to the Office of the Registrar. A student’s signature is required to release any transcript. A fee is charged for each transcript. A transcript will not be issued unless all financial obligations owed to the University have been fulfilled. Current students may view their own academic records online at https://webadvisor.carlow.edu.
ACADEMIC RESOURCES

CENTER FOR ACADEMIC ACHIEVEMENT

The Center for Academic Achievement (CAA) is an academic resource for all Carlow students who want to improve their academic skills and strategies. Services are provided at no additional charge to current Carlow students.

WRITING AND RESEARCH HELP

Students can receive help with writing through face-to-face tutoring at the Oakland campus, through email tutoring, or through video conferencing. All methods follow best practices for tutoring and are provided by writing consultants with graduate degrees in writing. Students may request one or ongoing sessions throughout their graduate program as needed.

WORKSHOPS

The CAA offers drop-in workshops on the Oakland campus at scheduled times throughout the semester on topics like time management, research documentation, writing for the sciences, and writing a literature review. Workshop schedules can be found on myPortal. These workshops can also be found on “CAA Resources.”

INDEPENDENT AND ONLINE LEARNING

Students interested in independent learning online can also consult “CAA Resources” on Blackboard. The module includes links to resources and tip sheets. Instructional PowerPoint presentations include topics like “Becoming a Skilled Researcher” and “Formatting Your Paper in APA Style,” and “APA Essentials.”

GRACE LIBRARY

Grace Library supports collections and services to foster academic excellence and promote the process of self-directed, life-long learning. The library offers more than 88,000 printed volumes and more than 118,000 e-books with particular strengths in early childhood education, theology, literature, and women’s studies. Special collections include those in peace studies, African-American studies, and career resources. More than 15,000 electronic and print journals are available.

The library contains more than 1,350 DVDs, videos, and videotapes. Students are issued a library barcode on the back of each student ID that enables them to borrow an unlimited number of items from Grace Library. Grace Library offers a wide array of services to make the research process easier such as:

Reference Help: Librarians are available during most library hours to give students one-on-one help. Also, students can ask questions online via the “Ask a Librarian” service available on the library’s website at carlow.edu/library.

Research Materials: Students can access a tremendous amount of research material such as full text journal articles, encyclopedia articles, and statistics from the library website. Also available on the website is the library’s online catalog through which students can search for books and videos owned by Grace Library, renew and place holds on books, and see a listing of materials placed on reserve. Research guides, library hours, and policies are also found on the website, carlow.edu/library.

In-house Resources: Grace Library owns a rich collection of print materials available for student research, including 17,300 reference volumes such as subject specific encyclopedias and dictionaries. For more advanced research, librarians will assist researchers with extensive online literature searches.

Borrowing from Other Libraries: Grace Library has made arrangements for Carlow students to borrow and use materials from other academic libraries by using E-Z Borrow (for books) and RAPID ILL (for journal articles). Interlibrary Loan from more than 9,100 libraries around the United States is available for hard to find materials. Further information can be found in the Grace Library Student Handbook, revised and issued annually, and also on the Grace Library website located at carlow.edu/library.

The Carlow Archives and the International Poetry Forum Archives: Cartow Archives and the International Poetry Forum Archives are integral parts of Grace Library. The Carlow Archives contain materials pertaining to the history of the University. The International Poetry Forum Archives contain poetry readings and other memorabilia which are of particular interest to creative writing students. Students are encouraged to learn more about the archives by calling 412.578.6139.

Comfortable, Relaxing Study Areas: The library offers comfortable chairs for reading and relaxing; small, quiet study rooms; and numerous areas for group meetings.

DR. TOM HOPKINS COMMUNICATION LABORATORY

The Dr. Tom Hopkins Communication Laboratory contains six presentation/interview rooms equipped with digital audio and video recording and projection technology which enables students to capture, review, and evaluate examples of their oral communication. Using these recordings, faculty and peer advisors can assist students in improving their speaking and presentation skills. The lab is open to all graduate and undergraduate students who want to use the technology to monitor and enhance their communication skills.
ACADEMIC POLICIES

In addition to the following Graduate School policies, students are advised to consult with their program directors or advisors regarding program specific policy and procedure handbooks.

ACADEMIC CALENDAR

The academic calendar is published annually. Carlow follows the semester system, although some programs are divided into shorter sessions within the semester. (See Accelerated Course Calendar in the section below.) Most academic related actions are carried out on a semester basis, such as academic standing decisions, the Dean’s List, and determination for graduation.

ACCELERATED COURSE CALENDAR

Carlow Accelerated Program (CAP) classes generally meet for eight weeks. These courses typically meet in the evening and can occur in CAP I through IV sections. In addition to CAP sections, some courses meet in the Weekend College (WEC) format. When an accelerated course is scheduled to meet at a time the University is closed, a make-up day is built into the University Academic Calendar. Classes will not be conducted on days when the institution is closed officially. As alternatives to a make-up day, a faculty person may decide to give the class a substantive assignment or hold an online class session instead of using the make-up day. Faculty who teach an accelerated-format class that should meet on an official holiday will publish in their syllabus which of these plans will be in place for that course.

ACADEMIC INTEGRITY

Carlow students are expected to perform their educational tasks with a high regard for moral and ethical conduct. Dedicated to the teaching of values as well as skills, Carlow University administration, faculty, and staff expect students to assume personal responsibility for their actions. Specific written guidelines defining ethical behavior and the procedures that apply to those guidelines are available in the Carlow University Graduate Student Handbook. Failure to maintain academic integrity results in specific disciplinary actions for all parties who may be involved in such actions.

The following statement has been adopted by the University Assembly of Carlow University:

“The pressure of assignments, academic, and/or personal responsibilities does not excuse students from doing their own work. To use the work of another person or institution in any form without acknowledging that one is doing so is dishonest and possibly even illegal. To call the work of another one’s own is theft, if done without the other person’s consent; and if done with that person’s consent, it is lying. Both students and faculty should avoid such forms of academic dishonesty as plagiarism, cheating, forgery, fraud, and theft. Academic dishonesty includes presenting transcripts (or other official documents) that have been altered in any way.”

- Plagiarism: Morally and legally, a writer’s words and ideas are her/his own property. To copy or paraphrase a writer’s words or to use her/his ideas without giving credit to her/him is dishonest and illegal. It is also dishonest to buy or accept another’s work and present it as if one’s own.
- Cheating: Stealing examinations or receiving stolen examinations, giving or receiving information relevant to the content of examinations, and using unauthorized books, notes, or papers during examinations are dishonest acts.
- Forgery: It is dishonest to sign another’s name to examinations or other academic papers.
- Fraud: It is dishonest, and possibly illegal, to misuse, alter, or falsify official documents, seals, logos, and transcripts. It may also be fraudulent to use online technology for one’s own academic purpose.
- Theft: It is academically dishonest to steal another’s work without appropriate permission or to steal intellectual property to pass off as one’s own.

In matters of academic integrity, the library is of special concern. The use of its facilities is a privilege granted to the entire academic community. It is dishonest to remove books, periodicals, or other materials without signing them out according to library procedures. The destruction of library resources is also dishonest. Such misuse of library materials results in a financial loss to the University and denies others access to knowledge and learning.

DISCIPLINARY PROCEDURES FOR VIOLATIONS OF ACADEMIC INTEGRITY

Any student violating standards of academic integrity or adversely affecting the worth and conduct of a course or courses of study may be penalized by the faculty. Original jurisdiction falls to the faculty member responsible for the course in which the infraction occurred.

Individual faculty who have original jurisdiction in a case involving student violation of standards of academic integrity may impose a sanction from the following options:

- Disciplinary Warning: A written statement expressing disapproval of conduct to be sent to the dean of the Graduate School.
- Disciplinary Evaluation: A grade reduction on an assignment or examination. Students may also be required to repeat assignments or examinations.
• **Dismissal**: Exclusion from a course for a specified period of time. Such action may result in a final grade of F. This decision is made in conjunction with the dean of the Graduate School.

• **Failure**: A final grade of F for a course. This decision is made in conjunction with the dean of the Graduate School.

Prior to levying any penalty, the faculty member will discuss with the student the specific allegation, the specific evidence supporting the allegation, and the penalty contemplated. The faculty member will invite the student to present information or evidence to refute the allegation. At the conclusion of the conference, the faculty member will inform the student of any academic sanction or penalty to be levied. Insofar as possible, any penalty levied should be appropriate to the seriousness of the infraction and consistent with the graduate studies policies and guidelines. If the penalty is a failing grade for a course or dismissal from a course, a written description of the allegation, the evidence, the penalty levied, and the procedures used to protect the rights of the student are to be filed with the department chair, the dean of the Graduate School, and the faculty member having original jurisdiction in the case.

INDIVIDUAL RIGHTS

Students have the right to privacy in this process. All parts of the process will be treated as confidential. In order to protect the rights of persons facing possible disciplinary action for violating standards of academic integrity, the following procedures should be followed:

They should receive written notification of:

- The specific allegation(s) to be investigated, including the time, date, place, and nature of the event in question.
- The general nature of the evidence supporting the allegation, including the names of those having personal knowledge of the circumstances surrounding the event in question.
- Any meetings, conferences, hearings, or reviews at which the person’s presence is required.

They should be allowed to:

- Object to any procedure being used to arrive at a decision regarding the allegation;
- Present her/his case and evidence; and
- Be informed of all avenues of appeal and the procedures for those appeals.

DISCIPLINARY ACTION

The dean of the Graduate College and the dean of students have the power to dismiss or accept the resignation of students for academic misconduct or any disciplinary reason for which serious cause is present.

- **Dismissal** means the dismissal of a student from the University. Dismissal may be indicated as indefinite should the situation warrant. Otherwise, it presumes the right of the student to re-apply after one year.

- **Resignation** means that the student withdraws from the University under conditions agreed upon between the student and the University.

Decisions of dismissal may be appealed. The resulting decisions are final and binding and may be reviewed only at the request of the provost of the University.

STUDENT CODE OF CONDUCT

Students of Carlow University are expected to conduct themselves as responsible individuals who respect the rights and dignity of others. University rules and regulations are intended to protect the rights of each member of the University community. Students are expected to act reasonably, responsibly, and with civility while on campus and at University-sponsored events off campus. See Carlow University Student Handbook for more information.

GRIEVANCE PROCEDURE

Formal grievance procedures have been established to provide members of the Carlow community with a means to express complaints regarding the application of policies, procedures, practices, rules, or regulations of the University, and a method by which such complaints can be resolved. The evaluation/grade for student work is not a grievable issue. These issues relate but are not limited to problems such as thesis/project, advising, faculty not meeting class, and syllabus changes. If an issue is not one that is grievable under this policy, the student is encouraged to discuss the issue informally with the faculty member or the program chair.

Steps to address a problem:

1. If a student has a problem in any of these areas, she/he should present the situation to the faculty member within five days of the specific incident and arrange an appointment as soon as possible. Most matters can be settled by frank discussion of the facts. The faculty member will respond to the problem presented either during this initial discussion or within seven days. Parties should retain a written record of this discussion.

2. Should the problem remain unresolved, the student will discuss the matter with the department chair. This will be completed within five days of response from Step 1. In order for all facts to be carefully
re-examined and evaluated, the department chair will follow these procedures:

a. Discuss the situation with the student
b. Discuss the situation with the faculty member(s)
c. Arrange to meet with both the student and involved faculty to arrive at resolutions to the situation
d. Retain written notes from each intervention

3.) Should the problem still remain unresolved with the department chair, or if the specific problem involves the department chair, the student will take the problem to the graduate dean. The person filing the grievance must have completed Step 1 and have documentation of the discussion. The graduate dean will then follow Steps 2a, b, and c. There should be a written record of each meeting and its outcome.

4.) If the problem remains unresolved at this level and the student wishes to pursue it further, the graduate dean will begin the process of setting up the grievance committee as described in this step. The committee will consist of five members: two students and three faculty members. One faculty member will be elected as chair of the committee and will vote only to break a tie. Student members will be drawn from the pool of graduate students when a grievance is filed by a graduate student. Faculty members will be drawn from the elected grievance committee of the Faculty Assembly and should include graduate faculty when the grievance is filed by a graduate student. The student and faculty members may each request the removal of any two members of the pool of eligible members of the grievance committee.

5.) Both parties will be informed of the status or resolution of the problem at each step of the process. If either party remains unsatisfied with the decision of the committee, the graduate dean will notify the provost that there is dissatisfaction with the decision.

ACADEMIC PROGRESS

Current students must earn a minimum of three graduate credits per semester to maintain satisfactory academic progress. Credits assigned the grade of incomplete are not considered earned credits until completion. Carlow University graduates are expected to exhibit competency in the subject matter of their chosen graduate program.

ACADEMIC STANDING

Any student who fails to earn sufficient credits (defined by three credits per calendar year) and/or a 3.0 GPA, or who does not satisfactorily complete other requirements under Academic Progression, may be placed on academic warning, probation, or dismissal from the University. Policies regarding repeating courses and other minimum criteria vary among academic programs. Students are expected to consult the handbook for their particular major in addition to this publication. Actions are taken by the Academic Standing Committee after careful analysis of the student’s level of achievement, aptitudes, study habits, and sense of purpose. Students who fail to earn credit in a calendar year must apply for a leave of absence to remain in good standing.

ACADEMIC WARNING

Academic warning is a formal warning by the Academic Standing Committee to a student who does not satisfactorily complete the requirements under Academic Progression. It requires the fulfillment of certain conditions during the following semester. The academic warning is then reviewed. Without satisfactory progress, the student is placed on academic probation.

ACADEMIC PROBATION

Academic probation is a designation for students who are unable to demonstrate satisfactory academic progress either for reasons related to a GPA being less than 3.0 or related to performance under the terms of Academic Progression. Certain conditions must be met during the following semester and failure to improve may lead to dismissal. When the student GPA is below 3.0, the semester GPA for the first semester attended after probationary status is designated must be at least a 3.0. The student has until the end of the second semester after probationary status is designated to raise the overall GPA above 3.0. If the cause of the decline is a result of only one course grade, the advisor may request that the probationary period be extended until the course has been repeated. The student is permitted to repeat the course one time.

A student may be granted a probationary period only one time in the graduate program.

After being removed from probation, students who are unable to demonstrate satisfactory academic progress either for reasons related to a GPA being less than 3.0, or related to performance under the terms of Academic Progression, may be dismissed.

DISMISSAL

Dismissal occurs when the student has failed to meet the requirements defined under probationary status or academic progression. The student may apply for readmission after one year. Dismissed students readmitted by the major program director and the provost re-enter on probation. A student who is dismissed twice is not eligible for re-admission.

REINSTATEMENT AFTER ACADEMIC DISMISSAL POLICY

Academic dismissal occurs when a student either fails to meet the requirements defined under probationary status, or fails to meet the academic progression requirements of the program. If dismissed, the student may return after one academic year, including the summer terms, if reinstated by the program director and the dean. Reinstatement is initiated when the student completes and submits
an application for readmission. The student must subsequently notify the program director of her/his intent to reapply, and the program director will review the department’s reinstatement process with the applicant. The procedure for consideration for reinstatement will include, but will not be limited to, a personal statement from the student that addresses the issues that lead to the original dismissal and how obstacles to the student’s academic progress have been remedied, an updated curricula vitae (CV), and an interview. The required statement and CV should be submitted concurrent with the reapplication and at the beginning of the semester prior to the semester of potential return. For example, a student dismissed in the fall 2013 semester must sit out the spring, summer and fall 2014 semesters. She/he must apply for reinstatement in fall 2014 if they wish to be considered for reinstatement in spring 2014. Other procedures may be required by the department/program of study and by the the Graduate College dean.

If a dismissed student is reinstated by the program director and the dean she/he will re-enter with probationary status. Due to changing admission and curriculum requirements, the University reserves the right to re-evaluate all academic courses, whether completed at Carlow or elsewhere, to determine what will be credited toward the student’s degree and to determine a new plan of study. A student who is dismissed twice is not eligible for reinstatement. The student should also contact the financial aid office and student accounts office to address any other pertinent financial aid issues.

ASSessment

Academic assessment and evaluation of student learning outcomes, core curriculum effectiveness, and major or program performance occurs on both the undergraduate and graduate levels. Carlow University engages in assessment—the evaluation of the educational experience—at the individual student, core, department or major, and institutional levels as a vehicle for educational improvement. Faculty, administration, staff, and students use various approaches, such as embedded assignments, tests, presentations, and surveys to promote growth over time and achieve quality educational experiences within the Mercy tradition and a women-centered environment.

CONFIDENTIALITY OF STUDENT RECORDS

Carlow University has a carefully prepared policy regarding information that becomes part of a student’s permanent educational record and the conditions of its disclosure. Carlow’s policy conforms to the Family Educational Rights and Privacy Act of 1974, commonly known as the Buckley Amendment. Appropriate forms are available in the Office of the Registrar. Additional information may be found online at http://registrar.carlow.edu/ or on myPortal.

COURSES

ATTENDANCE POLICY

Students have a special responsibility to attend classes. They are expected to attend all sessions of classes for which they have registered. Students should be aware of individual faculty attendance standards as they are held accountable for failing to meet those standards.

Students are obliged to be in attendance on days when examinations, major or minor, are scheduled. Students who absent themselves from examinations may be refused permission to take the examination at a later date; may receive a failing grade for the examination missed; and may receive a failing grade for the course.

Further, absence from class on a day when an assignment is due does not excuse the student from the obligation to have the assignment turned in on time. Faculty may refuse to accept any work which is turned in late and may assign a failing grade to that work.

ACCELERATED PROGRAMS

Accelerated programs have a very specific attendance policy and faculty teaching in these programs have a responsibility to adhere to it. Students who miss more than two class meetings of an eight-week/accelerated course will receive an F (failing grade). This policy includes partial absences that add up to two class meetings.

INDEPENDENT STUDIES AND TUTORIALS

Students may explore areas not covered in the Carlow graduate curriculum through independent study. Graduate students may work independently or design a course to be pursued independently under the guidance of a sponsoring faculty member. Students must also maintain a minimum cumulative Grade Point Average (GPA) of 3.0 and demonstrate proficiency in dealing with pertinent materials. No graduate student may have more than six credits of independent study counted toward graduation.

Courses taught infrequently but listed in the Graduate Course Catalog can be taken as tutorials. Prior to registration, the student must make arrangements with the professor who usually teaches the course.

REPEATED COURSES

A student wishing to repeat a course can do so only by taking the same course at Carlow University. When a course has been repeated, both grades remain on the transcript. The grade earned by repeating a course is used in lieu of the grade originally earned and will be used in the calculation of the cumulative GPA. No course may be repeated at any other institution in order to have that grade accepted as a replacement for the original grade earned at Carlow University. In some situations, it may be necessary for a student to repeat a
course off campus. This situation will be handled on a case-by-case basis with appropriate oversight by the dean of the school.

In the event that a student has failed a course that is no longer offered or for which the student is ineligible to take by determination of the academic department, the department offering the course will decide what course or courses a student may substitute. This policy does not apply to re-admitted students.

WITHDRAWAL FROM A COURSE

Withdrawal from a course must be made officially in the Office of the Registrar. A WD is assigned if a student officially withdraws from a particular course prior to the final date to withdraw in a given semester, according to the academic calendar published in the Carlow Course Schedule and online via myPortal.

Grades of students who do not complete a course and who have not withdrawn officially will be listed as F.

DEGREE REQUIREMENTS

Students must complete all of the graduate program requirements including required courses and field placements while maintaining a 3.0 average. In addition, students must demonstrate professional competence in theoretical and field experiences. Some programs require the presentation of a thesis, project, or workplace internship to demonstrate these competencies.

All requirements must be completed within five years of admission or as mandated by the specific program. All requirements must be completed within five years of admission in programs that require fifty (50) credits or less to complete, or within eight years in programs that require more than fifty (50) credits for graduation. Students who take an official leave of absence should consult with their program director to determine how this leave could affect their time frame for completing their program of study.

DISABILITIES SERVICES OFFICE

Carlow University makes every reasonable effort to provide qualified students with disabilities the opportunity to take full advantage of programs, activities, services, and facilities. The University’s Disabilities Services Office (DSO) arranges specific reasonable accommodations for students and prospective students with disabilities. Current documentation regarding a student’s disability is required and will be treated as confidentially as possible; it is not released without the student’s consent, unless required by law. The DSO, faculty, and the student work together to identify appropriate academic adjustments, auxiliary aids and services, and/or other reasonable accommodations that may be warranted under particular circumstances. Individuals with disabilities are encouraged to contact the University’s Disabilities Services representative at 412.578.6257 in advance of the semester when accommodations/adjustments may be needed. Accommodations cannot be granted retroactively.

Carlow University has the right to establish qualifications and other essential standards and requirements for its courses, programs, activities, and services. All students are expected to meet these essential qualifications, standards, and requirements, with or without reasonable accommodations.

Students with disabilities who are requesting accommodations should contact the Disabilities Services representative at 412.578.6257 to arrange a meeting and discuss specific guidelines. Copies of these guidelines for receiving accommodations are available from the Disabilities Services Office, on the Carlow website, and myPortal.

GRADES

The MFA program has a unique grading policy, which can be found in the MFA section of this Course Catalog (see page 40) and in the MFA Student Handbook.

GRADING AND QUALITY POINT SYSTEMS

Faculty publish their grading policies so students know exactly how grades will be determined. The officially recognized equivalent of quality points to grades at the University is as follows:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Points</th>
<th>Grade</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>A+</td>
<td>4.00</td>
<td>C</td>
<td>2.00</td>
</tr>
<tr>
<td>A</td>
<td>4.00</td>
<td>C-</td>
<td>1.75</td>
</tr>
<tr>
<td>A-</td>
<td>3.75</td>
<td>D+</td>
<td>1.25</td>
</tr>
<tr>
<td>B+</td>
<td>3.25</td>
<td>D</td>
<td>1.00</td>
</tr>
<tr>
<td>B</td>
<td>3.00</td>
<td>D-</td>
<td>0.75</td>
</tr>
<tr>
<td>B-</td>
<td>2.75</td>
<td>F</td>
<td>0.00</td>
</tr>
<tr>
<td>C+</td>
<td>2.25</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The overall academic Grade Point Average (GPA) is obtained by dividing the total points earned by the total number of semester hours attempted. These quality point values of grades are used for each credit attempted.

GRADING—NO POINTS ASSIGNED

AU Audit—no points assigned
I Incomplete
P Pass in certain approved courses as designed by instructor as P/F
IP Course in progress—not to be finished by end of the semester
NG No grade or problem with grade turned in
WD Withdrawn officially in Office of the Registrar
AUDITING A COURSE

Students may audit a course with the instructor’s permission and must register through the Office of the Registrar. Tuition for an audited course is identical to tuition for a degree status course. A grade of AU is given for an audited course with no credit.

GRADERS OF C+ AND BELOW

A student receiving a grade of C+ or below in any course may be asked to repeat the course. The student will be permitted to repeat the course only one time. However, in the nursing graduate program there are designated courses where the student must repeat the course if she/he receives a B- or below. Policies regarding repeating courses and other minimum criteria vary among academic programs. Students are expected to consult the handbook for their particular major in addition to this publication.

INCOMPLETE GRADE

An incomplete grade (I grade) at the end of a course is reserved for those students who have completed at least 75 percent of the course work, have a passing grade in the course, and for good reason (mitigating or extenuating circumstances) have assignments or examinations to complete. Regardless, incompletes are given at the discretion of the instructor for the course; the instructor makes the final decision to award an incomplete.

The rating of I is automatically changed to ‘F’ by the Office of the Registrar if not removed within the required time frame (six calendar weeks from the end of the semester in which the I was assigned).

Once the student has completed the work, the instructor notifies the registrar by submitting a Change of Grade form to the Office of the Registrar.

Graduate students must earn a minimum of three graduate credits per semester to maintain satisfactory academic progress. Credits assigned the grade of incomplete are not considered earned credits until completion.

The deadline for changing incomplete grades is six (6) weeks after the end of the semester/CAP session in which the graduate student earned the incomplete grade.

IN PROGRESS GRADUES (IP GRADES)

The IP grade is reserved for certain classes where it is possible that a student’s work will extend into the next semester (i.e. creative manuscript, thesis, project, internship, clinical, third student teaching experience, etc.). Students receive an IP grade based on the instructor’s judgment. Students who receive an IP, and who have not completed the IP prior to the end of the following semester’s add/drop period, must enroll for the same course number but denoted with the extended designation (i.e. ED 715 would be ED 715x, NU 7501 would be NU 7501x). Note the “x” designates the course’s extended status. Students who enroll in an approved, extended course are charged one credit for the term in which it is registered. The student must register for the extended course each semester while working on the IP grade. When the student completes the IP, the student’s final grade is substituted for the IP and the extended course numbers are assigned a P grade. Individual programs may place a time limit on the completion of IP courses such as the creative manuscript, thesis, project, internship, clinical, third-year teaching experience, etc. Students should check with their program for any specific policies. Students who are carrying an IP grade and do not register for classes for two or more semesters will have the IP grade converted to an NG [no grade]. If those students are readmitted to the University, they will register and pay for the original course again with its associated credits.

GRADE CHANGES

Once a grade has been submitted to the Office of the Registrar, the grade cannot be changed unless there has been an error or grade reconsideration on the part of the faculty member. To change a grade, the faculty member must complete the Change of Grade form with the appropriate department chair’s signature and submit to the Office of the Registrar.

Students who have questions regarding a final course grade are to first consult with the instructor of the course. If no resolution can be reached, student must consult with the chair of the department overseeing the course. In the event the instructor is the department chair, the student should consult with the dean of the school.

STUDENT EVALUATION (GRADING)

The methods that faculty use to evaluate student achievement vary according to types of learning experiences. Written examinations are a common means of evaluation, but research papers, essays, interviews, classroom interaction, media presentations, observation, and clinical and field experience are also used.

EXPERIMENTATION AND RESEARCH

The role of experimentation and research is emphasized in upper level courses, especially in the capstone experience. Independent studies, tutorials, internships, and special projects also offer opportunities for academic and professional exploration.
INSTITUTIONAL REVIEW BOARD

Federal law protects the individual’s right to privacy and protects citizens from harm from others. Research involving human subjects is reviewed to safeguard those rights. Carlow University has convened an Institutional Review Board (IRB) to ensure that all human subject research is reviewed in advance by responsible, knowledgeable peers to protect these rights. Carlow University is committed to these laws based on moral, ethical, and legal grounds. All research that comes under the aegis of the University must meet the procedures established to ensure the privacy and protection of human subjects. These procedures are followed by faculty in their own research, and by students in any research they conduct, regardless of where it is actually conducted.

ADD/DROP AND LEAVE OF ABSENCE/COMPLETE WITHDRAWAL NOTIFICATION

Non-attendance in classes does not constitute an official withdrawal and will result in full financial obligation.

Students wishing to drop all classes and to withdraw or take a leave of absence from the University must officially withdraw by one of the following methods:

- Complete a Withdrawal/Leave of Absence form and submit to the Office of the Registrar on the second floor of Antonian Hall. The withdrawal form is available in the Office of the Registrar and other student service offices and online at https://myPortal.carlow.edu. Students dropping all courses cannot use a Change of Registration form.
- Students can take a leave of absence for one to three semesters, including summer terms. Students should contact the Office of the Registrar upon returning for registration instructions.
- Students who are considering withdrawal should investigate the financial implications prior to any action.
- Financial aid recipients are urged to contact the Office of Financial Aid to determine how financial aid amounts will be affected by any withdrawal.
- For complete withdrawal from all classes in a semester, final determination of refund amounts will be made by the Office of Student Accounts and will be based on the date that the student initiated the withdrawal process by submitting the Withdrawal/Leave of Absence form to the Office of the Registrar.
- Students wishing to withdraw from the residence hall must complete a Residence Hall Withdrawal Form available in the Student Life section of myPortal. Refunds of room and board charges are governed by the Housing and Food Service Agreement signed by the student for the academic year.

ADD/DROP

A student who officially drops courses during the designated add/drop period posted by the Office of the Registrar but who is still registered for at least one course in the semester will receive a full refund of charges for the course(s) dropped.

For dropped courses, any refund of charges will be based on the date that the Change of Registration Form is received by the Office of the Registrar.

Add/drop deadlines are posted in the academic calendar, published in the University Course Schedule and on myPortal, and are also listed at the Office of the Registrar.

Financial aid recipients should contact the Office of Financial Aid to determine if the aid amount will be affected by a planned change in registration.

REFUND POLICY

In some cases, students are entitled to a full or partial refund of charges. Refund amounts are connected to the student’s official date of withdrawal. Official dates and percentage of refund amounts are published in the academic calendar each semester in the Carlow University Course Schedule, on the University website, and in the student accounts section in myPortal. Specific questions about the refunds should be directed to the Office of Student Accounts.

APPEALS

Changes to registration status resulting from injury to student or immediate family member, death in immediate family, sudden severe illness, accident, or exceptional trauma that is affecting the student’s emotional and physical health may be cause for an appeal of change of registration deadlines and/or charges. Students must complete an appeal form and attach appropriate documentation to the Appeals and Grievance committee consisting of a representative from Academic Affairs, Admissions, Financial Aid, Registrar, Student Accounts, Student Affairs, and the faculty. The student will receive a written response within 30 days of appeal submission.
TRANSFER OF CREDITS

Six graduate credits may be transferred in and accepted for any graduate program at the discretion of the program director. Students in the Professional Counseling Program may transfer up to 12 credits at the discretion of the program director. Acceptance of transfer credits is specific to a program and at the discretion of the program director.

Credits must: 1) reflect studies comparable or complementary to the Carlow University program, 2) indicate a grade of B or higher, 3) have been earned no more than five years prior to enrollment in a Carlow University graduate program. Carlow University reserves the right to deny admission to any applicant who does not meet the preferred requirements. Carlow University does not discriminate on the basis of race, color, creed, age, sex, handicap or national and ethnic origin in the administration of its admission and financial aid policies.

Once a student matriculates at Carlow University, the student must have permission from the program director and the dean of the Graduate School prior to beginning a class at another institution. The student is also responsible for requesting that the registrar at the host institution forward an official transcript to the Office of the Registrar at Carlow University. The Carlow registrar will not accept a course for a student who has not obtained formal permission from the program director to take the course. Appropriate forms are available in the Office of the Registrar.

TUITION AND FEES

A complete listing of charges and fees is available on the Carlow website and on myPortal. The University reserves the right to modify these charges if circumstances require. Payment options and student account policies are also listed on myPortal under the Student Hub/Student Accounts tab.
MASTER OF FINE ARTS IN CREATIVE WRITING

PROGRAM OVERVIEW

The Master of Fine Arts in Creative Writing is a low-residency international program designed for students who want to be professional writers, to teach creative writing at the college level, or to enjoy the satisfaction of writing and reading in an individualized program. For an entire semester, students study poetry, fiction, and nonfiction with prominent American and Irish writers who are also skilled teachers. A combination of workshops, seminars, and lectures creates a stimulating atmosphere for students to learn and discuss the art of writing.

The program requires a minimum of five semesters and 36 credits. Four semesters begin with an intensive 11-day residency at either Carlow University in Pittsburgh or a site in Ireland. At the end of each residency, students spend four months writing and reading in their chosen genre under the supervision of the professional writer with whom they worked during residency. The student may devote one of the residencies and its practicum to another genre. The student to faculty ratio is normally 5:1.

Students must complete the following degree requirements:

1. Four 11-day intensive residencies alternating in Pittsburgh and Ireland.
2. Four practicum semesters with a faculty mentor. Students will normally work with two or three mentors over the five semesters.
3. An additional semester(s) to produce an original manuscript of publishable quality in fiction, poetry, or creative nonfiction. By the middle of the fourth semester, in consultation with the director of the MFA program, students choose a mentor for their creative manuscripts from among the mentors with whom they have studied.
4. A defense of the creative manuscript, which includes a meeting with the academic review committee and a public reading from the manuscript followed by questions and answers.

RESIDENCY REQUIREMENTS

Students choose an intensive writing experience in fiction, poetry, or creative nonfiction guided by a mentor. Genre workshops and mentor-conferences typically fill half the day.

Seminars, lectures, and readings given by visiting writers and guest speakers from the publishing and writing communities fill the afternoons and early evenings. Students and mentors may also attend cultural events and visit sites of literary significance. Students must attend all events unless listed as optional. Readings and lectures may be open to the public and to alumnae of the program, but workshops and seminars are for students only. Because of the nature of the program, auditing is not permitted.

At the end of the 11-day residency, mentors must design with each student an individualized five-month writing and reading schedule intended to improve the student’s writing of poetry, fiction, or creative nonfiction. The mentor submits to the program director the contract to be filed in the MFA office. Each mentor will submit to the MFA director a detailed evaluation of the student’s performance at the end of the residency. The student cannot advance in the program without the approval of the MFA director and of the mentor. The MFA director will send a copy of the residency evaluation to the student and retain a copy as part of the student’s permanent record.

At the end of the 11-day residency, students are required to finalize an assignment contract with their mentor. Students must submit a residency evaluation, a questionnaire designed by the program director, to the MFA director after each residency. Students also submit to the program director an integrative critical essay on how the seminars, lectures, and readings contributed to their development as creative writers. Students must receive passing grades on the integrative essay and approval from their mentors to advance in the program. Students are graded with Pass with Distinction (PD), Pass (P), Pass with Reservation (PR), or Fail (F). Work cannot be resubmitted.

Each student must fulfill all residency requirements to the satisfaction of the program director and the mentor and meet all published deadlines in order to receive a passing grade for the residency. If a student fails a residency, he/she cannot advance to the adjoining practicum. Incompletes are not awarded. In Progress (IP) grades are possible only in the creative manuscript semester(s).
NOTE: RESIDENCY AND PRACTICUM TOGETHER MAKE UP A SEMESTER; ONE IS INEXTRICABLE FROM THE OTHER. IF A STUDENT COMPLETES A RESIDENCY BUT DOES NOT PARTICIPATE IN THE ADJOINING PRACTICUM, THE STUDENT MUST REPEAT THAT RESIDENCY AND COMPLETE THE ADJOINING PRACTICUM.

For example, if a student completes the January 2014 Pittsburgh residency but does not finish the Spring 2014 practicum, she/he must repeat the Pittsburgh residency and complete its adjoining practicum.

PRACTICUM REQUIREMENTS

The primary focus of the semester practicum is the student’s creative writing. Students should be prepared to invest a minimum of 25 hours per week carrying out the writing plan designed with their mentor. Students will submit poems, fiction, or creative nonfiction to their mentors at regular intervals during the semester.

Mentors will also give students specific writing assignments based on a reading list that is intended to contribute to their development as writers and critical readers. Mentors will give prompt, detailed responses to all assignments by written correspondence, email, tapes, faxes, or personal meetings. Students should receive comments from mentors well before the next assignment is due.

Students must complete a minimum of four exchanges with their mentors, and both are encouraged to keep logs of their correspondence. Midway through the practicum, mentors will submit a short narrative account of the student’s progress in the program. Students will be alerted if they are in jeopardy.

At the end of the practicum, mentors submit an evaluation with supporting documentation of student progress and performance with recommendations for continued study in the program. Copies of the evaluation will be sent directly to the student by the MFA director. The MFA director’s and the mentor’s approvals are necessary for the student to continue in the program. The mentor’s evaluation of the student’s practicum becomes part of the student’s permanent record. Each semester is graded Pass with Distinction (PD), Pass (P), Pass with Reservation (PR), or Fail (F). Students who are in danger of receiving a PR or F for the practicum are notified by the program director, mentor, and dean of the graduate school.

Each student must fulfill all practicum requirements in order to receive a passing grade for the practicum. A student who does not complete a practicum cannot register for the next residency without completing the practicum requirements to the satisfaction of the program director and mentor. A student who receives a final grade of F cannot proceed in the program.

Credit will be awarded for a practicum when all of the following criteria are met:

• The student has successfully met submission deadlines with the mentor, according to Semester Practicum Contract
• The student has submitted a practicum evaluation to the MFA office
• The student has submitted a folder of creative and critical writing samples from the practicum to the MFA office
• The student receives a passing grade (PD, P, or PR) for the practicum period
• MFA faculty recommends that the student advance in the program
GRADING FOR THE MFA PROGRAM

**Pass with Distinction (PD)**—acknowledges outstanding critical and creative writing in content and style.

**Pass (P)**—acknowledges worthy critical and creative writing of substantive content and clear style.

**Pass with Reservation (PR)**—acknowledges passing with significant reservations that the critical and creative writing meet the standards of the program. Students receiving two PR grades will not be permitted to continue in the program.

**Fail (F)**—acknowledges that critical and creative writing fails to meet the requirements of good writing. A student is dismissed from the program with a final grade of F.

**In Progress (IP)** grades are possible only in the creative manuscript semester(s), or in extreme personal situations. Students who receive an IP grade cannot register for the next semester until they satisfy the IP grade. IP grades are given only with the authority of the program director and the mentor.

Incomplete grades are not awarded.

CREATIVE MANUSCRIPT/DEFENSE

Students in their final semester will produce a book-length manuscript of poetry, fiction, or creative nonfiction as a culmination of their course of studies. This manuscript must be of publishable quality and demonstrate literary merit, and should establish that the author understands and has mastered the elements of craft within the chosen genre. Students work closely with mentors with whom they have previously studied in the program. Students can complete the MFA with 36 to 41 credits, depending on when they finish the manuscript and have the approval of their manuscript mentor.

Poetry manuscripts must be between 48 and 64 pages, while fiction and creative nonfiction must be between 150 pages and 250 pages. The length of a manuscript over 250 pages must be agreeable to the mentor. At the beginning of a manuscript semester, mentor and student must agree to the number of pages to be sent incrementally. It is in the student’s best interest to understand that a mentor can read only so many pages per semester, regardless of projected final length. Manuscripts over 250 pages will require registering for more time and more credits.

Poetry manuscripts must be single-spaced; creative nonfiction and fiction manuscripts must be double-spaced. The manuscript must be complete, not a work in progress. In the case of manuscripts over 250 pages, a polished segment, in rare instance, may be acceptable to a defense committee.

All manuscripts must be typed only on the right side of the page. The cover page must include the student’s name, academic degrees and dates, and the title of the manuscript. The bottom of the cover page will include the following statement: “This manuscript is submitted to Carlow University in partial fulfillment for the degree of Master of Fine Arts in Creative Writing, (date).”

The student’s curriculum vita (CV) must follow the title page. Acknowledgements can be cited on the page after the CV or at the very end of the manuscript. A table of contents must be included with each manuscript.
MANUSCRIPT DEFENSE

The manuscript defense includes two parts:

When all program and creative manuscript requirements are satisfied, students will meet with an academic review committee; students also give a public reading of their work followed by questions and answers. Steps for submission of the creative manuscript are as follows:

1. The mentor writes a letter to the director of the MFA program that the student’s manuscript is ready for review. The student is responsible for delivering four copies of the manuscript to the program director at least six weeks before the anticipated defense and public reading.

2. Upon accepting the mentor’s written recommendation, the director invites an academic committee to review the manuscript and act as the committee for the student’s defense. Committee members must approve the manuscript within 10 days of receiving it. Committee approval of the manuscript is necessary for the student to proceed to the defense. If the manuscript is not approved, it is returned to the student for further revision.

3. The defense can be scheduled at any time during the academic year, except during Christmas and Easter breaks, spring vacation, the January residency, and two weeks before the end of a semester. (The academic year at Carlow University is from late August through May commencement.) The defense takes place with the committee and the student’s mentor, if available. For the beginning of the meeting, the student prepares a presentation that places the work in a literary tradition and informs the committee about her/his creative process. As soon as possible after this meeting, scheduled for an hour, the student presents a public reading of the manuscript, with elucidating commentary, and answers questions from the audience.

4. The student earns the degree at the time of the defense.

TIMETABLE FOR SUBMISSION AND DEFENSE OF THE CREATIVE MANUSCRIPT

The student submits four copies of the manuscript to the director of the MFA program at least six weeks before the defense. Students who want to participate in the May commencement must submit their manuscripts by March 15. Students who want to participate in the December commencement must submit their manuscript by October 15.

The student may participate in commencement exercises. Commencement ceremonies are held in May and in December. The student may participate in the ceremony that follows the defense.
MASTER OF FINE ARTS IN CREATIVE WRITING

COURSE DESCRIPTIONS

A semester’s work is awarded eight hours of graduate credit which covers the residency (four credits) and the practicum (four credits). Students must complete four residencies and four practicum periods. Students may devote one residency and its adjoining practicum to another genre. Students receive no credit for partial completion of the residency or practicum. Students who attend a residency but do not participate in the adjoining practicum must repeat that residency and complete the adjoining practicum. Incomplete grades are not available for MFA students. In progress grades are possible only in the manuscript semester or in extreme personal situations. Each student must complete four genre practicum periods.

EN 701, 702, 703, 704 MFA Residency
(EACH STUDENT MUST COMPLETE FOUR RESIDENCIES)

Students participate in six intensive genre workshops in poetry, fiction, or nonfiction guided by a visiting writer, also called a mentor. In workshops, students and mentors discuss issues of craft and aesthetics, followed by individual conferences. Students must attend seminars, lectures, and readings given by visiting writers and guest speakers from the publishing and writing communities. At the end of the residency, student and mentor agree on an individualized four-month writing and reading schedule intended to improve the student’s writing of poetry, fiction, or nonfiction.

4 credits per residency

MFA POETRY PRACTICA

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MFA FICTION PRACTICA

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MFA CREATIVE NONFICTION PRACTICA

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<td>EN 733</td>
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EN 750 Creative Manuscript

Students produce an original manuscript in poetry, fiction, or creative nonfiction. In consultation with the program director, students choose their mentors for the creative manuscript by the middle of the fourth semester. Students will defend their manuscript with an academic committee composed of Carlow faculty, MFA mentors and/or writers from the extended university community, give a public reading, and answer questions. Students who do not complete the manuscript receive an In Progress (IP) grade. A manuscript semester is from January to May or September to December.

4 credits

EN 751 Creative Manuscript

Students continue to work with mentor guidance to complete their creative manuscripts as described in EN 750. Students are urged to complete their manuscripts in this semester. Students who do not complete the manuscript receive an In Progress (IP) grade. A manuscript semester is from January to May or September to December.

1 to 4 credits

EN 752 Creative Manuscript

Students continue to work with mentor guidance to complete their creative manuscripts. Students who do not complete the manuscript receive an In Progress (IP) grade. A manuscript semester is from January to May or September to December.

1 to 4 credits

Independent Study

For students requiring a semester for final revising and polishing of their manuscript with their mentor, students must register for credit(s) for an independent study. Variable credits

Mentor and program director, in consultation with student, determine the number of credits the student needs.
SCHOOL FOR SOCIAL CHANGE

MASTER OF SCIENCE IN PROFESSIONAL COUNSELING
DOCTOR OF PSYCHOLOGY IN COUNSELING PSYCHOLOGY
ALCOHOL AND DRUG COUNSELING CERTIFICATE
SCHOOL COUNSELOR CERTIFICATE
MASTER OF SCIENCE IN PROFESSIONAL COUNSELING

PROGRAM OVERVIEW

The Master of Science in Professional Counseling (MPC) program is designed for students seeking careers in mental health-related fields with children, adults, and families across a wide-array of settings including schools, hospitals, correctional facilities, and community mental health agencies. Students may choose an Adult-Generalist track, a Child and Family track, a School Counseling track, or an Alcohol and Drug Counseling track.

At the completion of the 60-credit program, students will be eligible to obtain their licensure in professional counseling (LPC) in the state of Pennsylvania after additional supervised experience in the field. A 48-credit program is also available for those not pursuing licensure. Additionally, the School Counseling and Alcohol and Drug Counseling Certificate Programs are options for those seeking to enhance their existing degrees.

60 credit program requirements:
PRC 701, PRC 702, PRC 705, PRC 708, PRC 710, PRC 711, PRC 712, PRC 721, PRC 733, PRC 735, PRC 740, PRC 760*, PRC 761*
18 elective credits are required for the 60-credit program.

*PRC 760 AND 761 ARE REPLACED BY PRC 764 AND 765 FOR THOSE STUDENTS IN THE SCHOOL COUNSELING TRACK.

48 credit program requirements:
PRC 701, PRC 702, PRC 705, PRC 708, PRC 710, PRC 711, PRC 712, PRC 713, PRC 721, PRC 733, PRC 735, PRC 740, PRC 760, PRC 761
6 elective credits are required for the 48-credit program.

Alcohol and Drug Counseling track-specific courses:
PRC 738, PRC 739, PRC 741, PRC 743

Child and Family track-specific courses:
PRC 715, PRC 725, PRC 728

School Counselor track-specific courses:
ED 727, ED 738 (or ED 739), PRC 714, PRC 715, PRC 724, PRC 745
CARLOW-ISSUED SCHOOL COUNSELING CERTIFICATE

The Certificate in School Counseling provides the coursework and internship requirements for applicants who currently hold a master’s degree in counseling and who want to pursue certification as a school counselor. We expect applicants to be admitted with the pre-requisite coursework and field experience. This pre-requisite coursework includes the following content areas:

- Lifespan Development
- Social and Cultural Foundations
- Counseling Theory and Techniques
- Ethics and Professional Orientation
- Career and Lifestyle Counseling
- Research Methods and Program Evaluation
- Group Counseling
- Appraisal (including exceptional children in school settings)
- Practicum and Internship Experiences

Applicant transcripts will be reviewed as a part of the application process to ensure that the students come into the certificate program with these pre-requisites.

Pennsylvania certification in elementary and/or secondary school counseling requires that the student’s coursework and internship experiences address specific competencies. Many of these competencies are common to most counseling programs (see pre-requisites listed above). Some of these competencies are obviously specific to school counseling. The certificate course requirements will address those competencies specific to school counseling.

The certificate program requires the following coursework (21 semester credit hours):
ED 727, ED 738, PRC 714, PRC 715, PRC 724, PRC 745, PRC 764

CARLOW ISSUED ALCOHOL AND DRUG COUNSELING CERTIFICATE

Certification as an advanced Alcohol and Drug Counselor requires a master’s degree plus specific coursework and experience. Applicants pursuing the graduate-level certificate are required to complete 180 hours of coursework specific to addiction including six hours of ethics and six hours in communicable diseases. This certificate program includes all of the coursework specific to alcohol and drug counseling required for the advanced certification. Applicants seeking certification through the Pennsylvania Certification Board (PCB) Advanced Alcohol and Drug Counselor are also required to complete 2,000 hours of paid experience as an alcohol and drug counselor that includes 300 hours of supervision while practicing as an alcohol and drug counselor. PCB certification applicants must also pass an exam.

Alcohol and Drug Counseling Certificate course work:
PRC 738, PRC 739, PRC 741, PRC 743
Master of Science in Professional Counseling

Course Descriptions

Core Courses

**PRC 701 Human Growth and Lifespan Development**
This course explores the nature and needs of individuals across the lifespan, including theories of individual and family development and transitions across the lifespan, theories of learning and personality development, human behavior including an understanding of developmental crisis, disability, exceptional behavior, addictive behavior, psychopathology, spirituality, and situational and environmental factors that affect both normal and abnormal behavior. Strategies for facilitating optimum development over the lifespan; ethical and legal considerations are also addressed. 3 credits

**PRC 702 Social and Cultural Foundations**
This course explores the social and cultural contexts of relationships and issues that surface in a multicultural and diverse society related to such factors as culture, ethnicity, nationality, age, gender, sexual orientation, mental and physical characteristics, education, family values, religious and spiritual values, socioeconomic status, and unique characteristics of individuals, couples, families, ethnic groups, and communities. Topics include individual, couple, family, group, and community strategies for working with diverse populations and the counselor’s roles in social justice, advocacy and conflict resolution, cultural oppression and discrimination, and other culturally supported behaviors that are detrimental to the growth of the human spirit, mind, or body. Ethical and legal considerations are reviewed within the context of social and cultural diversity. 3 credits

**PRC 705 The Helping Relationship**
An introductory skills-focused course for the graduate student pursuing a career in one of the helping professions. Basic counseling/helping skills will be explored with emphasis on experiential learning. Students will be expected to acquire and demonstrate basic counseling and helping skills using classroom demonstrations, role-play, peer consultation, and videotape. Students will be introduced to the therapeutic relationship. Reflecting skills, challenging, and goal-setting skills as well as techniques for enhancing self-efficacy, lowering and raising emotional arousal, and evaluating the helping relationship are included. 3 credits

**PRC 708 Ethics and Professional Orientation**
This course addresses the ethical standards of the American Counseling Association and related organizations (i.e., APA, NASW), and ethical and legal considerations in professional counseling. Examples of common ethical issues in professional counseling are presented and discussed. Professional roles, functions, and relationships with other human service providers, as well as the impact of professional organizations on the counseling profession, are explored. Requirements for professional credentialing, such as the National Board for Certified Counselors (NBCC) certification and licensure in Pennsylvania as a professional counselor will be discussed. The role of the professional counselor as an advocate for the profession will be explored. 3 credits

**PRC 710 Counseling Theory**
Counselors and other mental health professionals use a number of different theories to explain personality, understand the development of psychopathology, and explain the process of change. This course provides the student with an opportunity to critically examine the predominant theoretical approaches to counseling, the assumptions underlying the theoretical approaches, and the basic principles necessary to understand the role of the counselor from the perspective of each theory. Throughout the course, students will be provided with opportunities to apply each of the theories to case studies in an effort to promote a greater understanding of the material. Students are expected to make significant progress toward developing a personal model of counseling. The course will address multicultural and gender issues as they pertain to the subject matter. 3 credits

**PRC 711 Advanced Abnormal Psychology**
This course provides an in-depth review of mental health disorders as described within the Diagnostic and Statistical Manual of Mental Disorders, 5th Edition. Current etiological explanations for the disorders are examined, and diagnostic considerations including structured and semi-structured interviewing techniques and mental status exams are reviewed. An in-depth exploration of bio-psycho-social treatments for these disorders is considered. This course also reviews the practices of community intervention programs and facilities for inpatient, outpatient, partial treatment, and aftercare, and the human services network in local communities. 3 credits

**PRC 712 Couples and Family Counseling**
This course offers an in-depth exploration of systems theories of the family and other systems that include marital, couple, and family life-cycle dynamics, healthy family functioning, family structures, and development. Other topics include family of origin intergenerational influences, cultural heritage, socioeconomic status, human sexuality, and working with diverse family systems (e.g., families in transition, dual career couples, and blended families). Ethical and legal considerations related to the practice of marital, couple, and family counseling/therapy (e.g., the ACA and IAMFC Code of Ethics) will be addressed. 3 credits

**PRC 713 Group Counseling**
Group Counseling is a graduate-level course designed to provide counseling students with the primary theoretical bases as well as
the essential knowledge and skills for understanding, organizing, and working with groups in the counseling field. The course will incorporate didactic and experiential learning through lecture, large group discussion, and small group activities. 3 credits

PRC 721 Career and Lifestyle Development
This course focuses on career development and related lifestyle factors that include career development theories, sources of occupational and educational information, approaches to career decision making processes, and career development exploration techniques. Assessment instruments and techniques that are relevant to career planning and decision making are reviewed and the use of technology-based career development applications and strategies and appropriate Internet sites are presented and discussed. Ethical and legal results are explored. 3 credits

PRC 733 Psychological Assessment
This course examines individual and group approaches to assessment and evaluation, including basic concepts of standardized and non-standardized testing and other assessment techniques which include norm-referenced and criterion-referenced assessment, environmental assessment, performance assessment, individual and group test and inventory methods, behavioral observations, and computer-managed and computer-assisted methods. Issues include age, gender, sexual orientation, ethnicity, language, disability, culture, spirituality, and other factors related to the assessment and evaluation of individuals, groups, and specific populations. Emphasis will be placed on the use of strategies for selecting, administering, and interpreting assessment and evaluation instruments and techniques in counseling. Ethical and legal considerations in the assessment of clients will be examined as will the ethical guidelines for the use of psychological assessment instruments. 3 credits

PRC 740 Counseling Practicum with Seminar
The Counseling Practicum with Seminar is designed to support graduate-level professional counseling students in their ongoing development as counseling practitioners. To that end, students will be provided with a variety of experiences, both on and off campus, that will promote an increased awareness of the various roles and clinical skills required of the professional counselor. Course objectives will include increasing the graduate student’s understanding of the operations of a counseling organization (e.g., clinic, college counseling center, etc.), helping the students identify other skills that contribute to their effectiveness as professional counselors, and providing experiences that enhance students’ individual and group counseling skills. Students are required to complete 100 contact hours in a counseling setting, which includes 40 hours of direct counseling experience. Students will be challenged to become increasingly aware of personal qualities relevant to the effective practice of professional counseling and to acquire insight into the supervision process and the role of the supervisee in the counseling process. Ethical and professional behavior will be emphasized. Students are required to carry malpractice insurance while participating in the practicum. 3 credits

PRC 760 Internship with Seminar I
The internship provides the student with a supervised experience in the practice of counseling in a setting similar to that in which the student wishes to work. Each internship session includes a minimum of 300 hours of supervised experience within the internship site plus an additional seminar session that meets on campus weekly. Students are required to carry malpractice insurance while participating in the internship and are required to participate in two sections of the internship experience (PRC 760 and PRC 761). 3 credits PREREQUISITE: PRC 740.

PRC 761 Internship with Seminar II
This internship is a continuation of Internship with Seminar I (PRC 760) and continues to provide the student with a supervised experience in the practice of counseling in a setting similar to that in which the student plans to work. Each internship session includes a minimum of 300 hours of supervised experience at the internship site plus an additional seminar session that meets on campus weekly. Students are required to carry malpractice insurance while participating in the internship. 3 credits PREREQUISITES: PRC 740 AND A PRE/CO-REQUISITE OF PRC 760

PRC 764 School Counseling Internship I
The School Counseling Internship I provides the student with a supervised experience in the practice of school counseling in a setting similar to that in which a student might hope to work after graduation. Each of the two internships classes includes a minimum of 300 hours of supervised experience at the internship site. Students are also expected to attend a seminar that will meet an average of at least 1.5 hours per week for the entire semester. 3 credits

Students are expected to participate in two sections of Internship experience (i.e., Internship I and Internship II) for a total of 600 hours.

PRC 765 School Counseling Internship II
The School Counseling Internship II provides the student with a supervised experience in the practice of school counseling in a setting similar to that in which a student might hope to work after graduation. Each of the two internships classes includes a minimum of 300 hours of supervised experience at the internship site. Students are also expected to attend a seminar that will meet an average of at least 1.5 hours per week for the entire semester. Students are expected to participate in two sections of Internship experience (i.e., Internship I and Internship II) for a total of 600 hours. 3 credits
This course will focus on the concepts of deviance in human society, specifically that which is found in Western cultural norms. Theories of deviance, as well as the cultural, biological, and temporal nature of these theories, will be explored in depth through both sociological and psychological lenses. Some other fundamental foci of the course include the effects of parenting and attachment on dysfunctional development, the etiology of sexual paraphilias, and the identification of psychopathic traits through both objective and subjective assessment. Serial killers, cults, white-collar crime, and the historical interface between the criminal justice system and mental health will also be discussed. 3 credits

PRC 722  Spirituality and Counseling
This course offers the opportunity to deepen one’s understanding of spirituality and to learn therapeutic skills that foster spiritual growth in oneself and in others. The approach is phenomenological, not theological or religious. Among others, topics include differential theories of spirituality, dynamics of spiritual growth, spiritual displacements, spirituality and sexuality, the relationship between psychology and spirituality, therapeutic ways to engender and nourish spiritual growth, and the results of living a spiritual life. 3 credits

PRC 724  Organization and Administration of School Counseling Programs
This course is designed to prepare students for effective leadership and direction of K–12 school counseling programs. Students will develop the knowledge and skills needed to plan, design, implement, and evaluate school counseling programs. An organizational framework is utilized for both improving existing programs and establishing new programs. 3 credits

PRC 725  Interventions with Children
This course explores the counseling and consultation processes used with children. Specific problems/disorders presented by children will be explored with emphasis placed on the use of cognitive behavioral counseling techniques, non-directive play, and the use of games, activities, and expressive arts in addressing those problems. Additional emphasis will be placed on skills needed to work with and educate parent(s) regarding their child’s emotional and behavioral needs to ensure that the parent(s) become “part of the solution,” rather than “part of the problem.” Factors that influence the helping processes with children, including age, gender, and ethnic differences, and verbal and nonverbal behaviors, will be explored. 3 credits

PRC 727  Therapy and the Expressive Arts
The use of the expressive arts in the context of therapy is an intrinsically healing process. This course provides the student with an opportunity to experientially explore the creative process as a means to help clients connect with feelings, bring the unconscious to consciousness, and gain heightened self-awareness. The experiential aspect of this course will allow students to connect to the material in a meaningful way, thereby increasing their ability to apply the expressive arts to the therapy setting. An overview of the use and application of the expressive arts to psychotherapy will be conducted. Additionally, the general principles and techniques of expressive arts therapies will be examined, as well as applied to a variety of clinical populations. A specific emphasis on the creative process as a healing force will be explored. 3 credits
PRC 728 Applied Behavioral Analysis
This course is designed to offer the student an opportunity to explore and learn about the basic principles and application of the science of Applied Behavioral Analysis (ABA). Students will study the philosophy and science of Applied Behavior Analysis, including basic vocabulary and concepts in the field, strategies for effectively measuring behavior, strategies for increasing and decreasing behaviors, functional analysis, verbal behavior, application of techniques, and ethical considerations of ABA. Special attention is placed on student participation and collaborative discussion, including in-class demonstrations/role-play. Videos that depict the major components of ABA, PowerPoints, supplemental readings, and the instructor's personal clinical vignettes will be utilized. 3 credits

PRC 729 Cognitive Behavioral Therapy: Theory and Practice
This course is designed to provide professional counseling students with a foundation in assessment, treatment planning, and treatment practice from a Cognitive-Behavioral Therapy (CBT) perspective. Through this course, the student will learn the history and background of the Cognitive-Behavioral approach to treatment, as well as empirical support for its use in practice. Students will learn how to assess and formulate cases using a Cognitive-Behavioral theoretical framework and will learn specific CBT methods of intervention. 3 credits

PRC 732 Human Sexuality
Human Sexuality examines sexual development as an intrinsic and pervasive force in life. The body of knowledge incorporates various disciplines including biology, psychology, and sociology and explores the counselor’s role in helping individuals, couples, and families with intimacy and relationships. Culture and diversity issues are considered along with the professional, ethical, and legal parameters relevant to sexuality and counseling. 3 credits

PRC 734 Counseling the Lesbian, Gay, Bisexual, Transgender, and Queer (LGBTQ) Community
The purpose of this course is to enhance students' professional competence with regard to counseling lesbian, gay, bisexual, transgender, and queer (LGBTQ) people. Content explores counseling practice as it applies to this community, and invites students to examine their own biases, values, and beliefs regarding sexuality and gender. Students will be encouraged to assess the potential implications of such perspectives within the therapeutic relationship. The American Counseling Association (ACA) Code of Ethics will guide discussions around viewing sexual orientation and gender identity through a professional lens. 3 credits

PRC 736 Trauma Informed Counseling
This course introduces the professional counseling student to the field of traumatic stress studies. The history of the field, current trauma theory, and practice, as well as prevalence rates, will be reviewed. Consideration is given to the responses of a variety of traumatic experiences including childhood trauma, adult sexual assault, combat, domestic violence, homicide, witnessed violence, etc. The psychology of the victim's response to trauma will be explored in detail as will societal, cultural, and historical influences on our understanding of the impact of trauma. Trauma occurs in relationships. The importance of a reparative relationship developed with authentic, honest, and unconditional love between the victim (survivor of trauma) and the therapist will be discussed in depth. 3 credits

PRC 737 Gender Issues in Counseling
Gender Issues in Counseling is an elective course designed to support the graduate professional counseling student in competent practice with both female and male clients. Students will develop an awareness of the social and cultural basis of psychological distress. Gender identity and gender roles, and implications for practice with individuals, couples, families, and groups will be examined. A feminist framework will be used to consider selected social issues as they relate to mental health. Throughout the course, students will be provided with opportunities to apply course information to case studies in an effort to promote a greater understanding of the material. 3 credits

PRC 738 Introduction to Substance Abuse Counseling
This course reviews key concepts of substance abuse counseling, including theoretical models for understanding and treating chemically dependent clients. Various screening and assessment tools, drug history, and interviewing skills will be reviewed to help students assess the severity of addiction and develop an initial treatment plan. Treatment settings and interventions commonly used with chemically dependent clients will also be reviewed. The purpose of this course is to provide students the introductory knowledge and techniques necessary to provide basic competent counseling and psychological services to substance abusers. Attention is paid to the interplay of conceptual knowledge and specific clinical skills and interventions, and the process of familiarization and personal introspection necessary to work comfortably with substance abusers. Additionally, students will be able to make appropriate diagnosis of substance-related disorders, and to make appropriate referrals for treatment. 3 credits

PRC 739 Substance Abuse Counseling Theories and Interventions
The purpose of this course is to review counseling theories and techniques available to provide competent, ethical counseling and psychological services to substance abusers and their families. Students will be introduced to the primary theories of counseling and behavior change including empirically supported models of prevention and treatment used when working with substance abusers and their families. This course will focus on developing case conceptualization skills and teach students how to make informed decisions regarding the theories they may choose to use and integrate into their own future counseling practice with substance abusers. Students will become knowledgeable and skilled in the utilization of the Pennsylvania Certification Board’s Code of Ethical Conduct and learn how to address any ethical and legal issues related to professional conduct when working with substance abusers. 3 credits
PRC 741  The Biological Bases of Alcohol and Other Drug Addiction
This course will introduce students to the biological bases of drug and alcohol addiction and the neurobiological mechanisms of action. Students will develop an understanding of how experience with drugs and alcohol may lead to the development of prominent symptoms of addiction. Students will become familiar with how various drugs of abuse are introduced into the body, absorbed, distributed, and eliminated. The physiological, psychological, and social consequences of long-term substance abuse will be addressed. Students will learn about the relationship between risk behaviors of people who use drugs and/or alcohol and the development of diseases such as hepatitis, tuberculosis (TB), HIV/AIDS, and common sexually transmitted diseases (STIs). 3 credits

PRC 743  Co-Occurring Disorders: Counseling Clients with Substance Abuse and Psychiatric Disorders
This course will provide students with an understanding of the nature of the overlap between psychiatric disorders and psychoactive substance use disorders and the assessment and treatment of clients with co-occurring disorders. Students will acquire an understanding of the differential diagnosis of chemical dependency and mental disorders. Students will learn about the mental disorders likely to be present in clients with co-occurring disorders, and the assessment strategies and intervention approaches for working with clients who have co-occurring disorders. 3 credits

PRC 745  Leadership for School Counselors
This course is designed to prepare school counselors to lead teams in the development and implementation of comprehensive school counseling programs. Principles of leadership, system change, and advocacy are introduced. State and national comprehensive school counseling models are examined. 3 credits

PRC 755  Supervised Research Project
The student will participate in a three credit research project supervised by a member of the graduate faculty in professional counseling, in consultation with the clinical field placement supervisor. The course will typically be taken along with the internship. The student will develop a research project at the internship site that promotes the student's research skills within the professional setting. Examples of projects might include outcome studies and program evaluations. Students will demonstrate their research knowledge and skills through the preparation of a review of the pertinent literature on the topic in question, development of a method for studying the research question or hypothesis, the statistical analysis of the collected data, and the preparation of the results, conclusions, and discussion of the statistical analysis. It is hoped that the student will develop an appreciation of and an interest in empirically supported research as well as the role of the counselor as a vital contributor to that endeavor. 3 credits
DOCTOR OF PSYCHOLOGY IN COUNSELING PSYCHOLOGY

PROGRAM OVERVIEW

The Department of Psychology at Carlow University offers the Doctor of Psychology (PsyD) Degree in Counseling Psychology. The program is implemented through the practitioner-scholar model of training and prepares graduate students to apply knowledge grounded in psychological science and theory in support of professionally sound clinical practice.

Through the lens of social justice and feminism, the Counseling Psychology program seeks to train future psychologists to promote psychological wellness in individuals, couples, families, groups, and larger social systems. Skills in assessment, diagnosis, and treatment are developed for application in a wide-range of treatment settings and for use across the full spectrum of adjustment and psychological disorders.

The PsyD in Counseling Psychology requires approximately four years of full-time academic study beyond the master’s degree. Three years are dedicated to course work including advanced practica and progress in the preliminary stages of the practice-oriented dissertation. The final year is reserved for defense of the dissertation and for the completion of a yearlong, full-time internship.

The program is dedicated to training practitioners who are sensitive to the needs of underserved populations and who possess knowledge and skills relevant to human diversity. Specific goals and competencies for students in the Counseling Psychology program are included in the following areas:

A. Knowledge of psychology as a scientifically grounded discipline;
B. Understanding of counseling psychology as a profession;
C. Competence in the integration of research and practice;
D. Professionalism.

Requirements:
CPY 801, CPY 803, CPY 805, CPY 807, CPY 809, CPY 812, CPY 814, CPY 816, CPY 819, CPY 825, CPY 830, CPY 835, CPY 839, CPY 840, CPY 844, CPY 850, CPY 852, CPY 855, CPY 856, CPY 858, CPY 860, CPY 864, CPY 879, CPY 886, CPY 890
CPY 801 Foundations of Counseling Psychology
In support of student identity development as a counseling psychologist, this class will address the history, development, and current issues related to the profession of counseling psychology. Philosophical assumptions of the profession as well as legal and ethical considerations related to the science and practice of the profession will be addressed. 3 credits

CPY 803 Psychometrics
Psychometrics is intended as an introduction to psychometrics for doctoral students who need to understand the properties of tests and measures used by psychologists and others interested in human behavior. 3 credits

CPY 805 Social Justice and Feminism in Counseling Psychology
This class is designed to provide doctoral students in counseling psychology with a comprehensive introduction to social justice and feminism. The relationship between psychological distress and broader social realities will be the underlying principle on which the course is based. Students will engage in structural analyses of basic social and political institutions, and the ways in which they function to maintain inequities. Students will explore the nuances of such inequities and the impact of related systemic issues on the wellness and development of particular sociocultural groups. Through self-analysis, group dialogue, and assigned readings, students will consider the impact of socially constructed identity categories on which privilege and discrimination are based, on their own personality development and sense of self. In addition, students will examine their attitudes and beliefs about those who occupy identity categories that are different than their own. Students will consider the ways in which counseling psychologists can work as change agents at the macro-level and how to effectively integrate attention to relevant social justice issues into their practice of the profession, including psychotherapy, consultation, activism, teaching, and research. 3 credits

CPY 807 Intellectual Assessment
Intellectual Assessment is designed to provide an in-depth overview of the theories, research, and practice of assessing the intellectual abilities of children and adults. To that end, students are expected to acquire the skills necessary to accurately administer, score, interpret, and report the findings from commonly used intelligence tests. An overview of academic assessment is provided since a comparison of ability and achievement is often desirable. The limitations of these instruments, as well as social justice and ethical issues related to intelligence and achievement testing will also be addressed. 3 credits

CPY 809 Personality Assessment
This course will focus on the theory and application of objective and projective methods of assessing adult personality and psychopathology. Specifically, there will be a strong emphasis on the administration, scoring, and interpretation of a variety of often utilized measures of adult personality. Tests that will be of primary focus include: Minnesota Multiphasic Inventory-2 (MMPI-2), Millon Clinical Multiaxial Inventory-3 (MCMI-III), Thematic Apperception Test (TAT), Rorschach Inkblot Test, Rotter Incomplete Sentence Test (RIST), and the Draw-A-Person Test (DAP). The overarching goal of the course is for students to be able to familiar with these tests and learn how to properly synthesize data from various sources into a coherent assessment report. 3 credits

CPY 812 Advanced Theory and Clinical Techniques
The Advanced Theory and Clinical Techniques class is designed to support doctoral students in counseling psychology in their ongoing development as practitioners. To that end, in-depth attention is given to several theoretical approaches and to more advanced, process oriented counseling skills. With regard to advanced conceptual and clinical skill development, students will focus on identifying critical moments in counseling as related to client dynamics. In addition, students will continue to develop skills in selecting the most appropriate intervention for use at critical points with clients. Counselor-client relationship issues will be of central concern. 3 credits

CPY 814 Diversity Issues in Counseling Psychology
This course explores differences and similarities of experiences, beliefs, needs, and behaviors of diverse population groups in our society and provides a theoretical foundation from which to develop differential and appropriate assessment and counseling skills that are essential for culturally sensitive practice. Patterns, dynamics, racial antagonisms, experiences, and consequences of discrimination, oppression, biases, and prejudices are discussed, with particular emphasis on racially and culturally diverse groups and communities, women, sexual orientation, and mentally and physically challenged populations. This course builds upon PRC 702 Social and Cultural Foundations, which is taught in the master’s curriculum at Carlow. 3 credits

CPY 816 Scientific and Professional Ethics and Standards
This course provides an overview of the current ethical, legal, and professional issues that are vital to proper psychological care. The course includes readings, discussion, role plays, and a survey of the relevant and seminal literature related to the ethical practice of counseling psychology. In addition, application of ethical guidelines to challenging case scenarios, with particular attention to culturally sound practice, is an integral component of learning. 3 credits
CPY 819  Diagnosis and Interventions for Counseling Psychologists
Diagnosis and Interventions is an advanced course in the diagnosis and treatment of common mental health disorders. Emphasis is placed on DSM-IV-TR nomenclature, difficulties confronted with co-occurring disorders, and the evidence-based treatments for these disorders. 3 credits

CPY 825  Statistics and Quantitative Methods
Statistical Methods reviews descriptive statistics and then provides an overview of parametric and non-parametric inferential techniques, correlation and regression, and an introduction to meta analysis and factor analysis techniques commonly found in counseling psychology. Instruction in the use of statistical software programs (e.g., Excel and SPSS) is provided. 3 credits

CPY 830/840/850/860  Supervised Practicum with Seminar I through IV
The Practicum with Seminar is designed to support doctoral students in counseling psychology in their ongoing development as practitioners. To that end, students will be provided with a variety of experiences, both on and off campus, that will promote an increased awareness of the various roles and clinical skills required of the counseling psychologist. Students are expected to complete a minimum of 250 hours of practicum related activities with no fewer than 40 hours being direct service work with clients. 3 credits

CPY 835  Cognitive and Affective Bases for Behavior
This course examines cognitive and affective development including the theories derived primarily from information process psychology, Jean Piaget, and leaders in the field of cognitive behavioral therapy such as Adler and Beck. Specific focus will be paid to the understanding of cognitive and behavioral therapeutic techniques through seminal readings and in-class workshops. In addition, concepts of memory construction, language acquisition, problem solving styles, and creativity will be addressed to define the broader aspects of human cognition. 3 credits

CPY 839  Research Methods for Counseling Psychologists
Research Methods for Counseling Psychologists is a doctoral level course taken by students prior to the dissertation. The course provides an in-depth and advanced analysis of the research methods commonly used by counseling psychologists with special emphasis placed on qualitative methods. The course also provides an opportunity for doctoral students to begin to collaborate with their instructor and peers as they begin to develop their dissertation/research project. 3 credits

CPY 844  Biological Bases of Behavior
This course will introduce the student to the biologic processes which underlie human behavior. Emphasis will be placed on neurologic development, function, and structures with an exploration into classic areas of investigation including sensory-motor systems, emotions, human communication, learning/memory, and bio-rhythms. Related topics such as genes and behavior, the relationship between nervous and endocrine systems and behavior, stress and the immune system, psychopharmacology, and biologic considerations in psychopathology will also be addressed. Across these areas, the focus is on clinical implications, ethical issues, social policy needs, and cultural impacts that may result from the study of the biological bases of behavior. 3 credits

CPY 852  Vocational Psychology
This course will offer a comprehensive review of the field of vocational psychology including its history, current trends, and projected future directions. Major theories of career development, choice, and adjustment will be addressed. In addition, attention will be given to issues related to assessment, career satisfaction, lifespan concerns, and career counseling with special populations. The unique experiences of women and other minority groups as related to career development and counseling will be infused throughout the class. 3 credits

CPY 855  History and Systems of Psychology
This course provides an overview of the historical traditions and originating systems of thought that have developed in the current field of counseling and psychology in the modern era. This course will explore the roots of psychology by tracing the growth of philosophy and the natural sciences and identifying the paramount thinkers that have shaped our knowledge of behavior, insight, and attachment. In addition to learning about the major schools and systems of psychology (e.g., Functionalism, Gestalt, Behaviorism, etc.), this course will also explore the political and historical forces that shaped the development of the various psychological theories. 3 credits

CPY 856  Social Bases of Behavior
This course is designed to offer a sophisticated overview of social psychological theory and research to students pursuing a graduate degree in clinical, counseling, or school psychology. The course will focus on the themes and perspectives of social psychology including situational and environmental influences on behavior, social perception, human relationships, human behavior in social groups, inter-group conflict, attitudes, and attitude change. Applications of social psychological theory to clinical, counseling, and school problems will be discussed, and the interface of social and clinical psychology will be examined. 3 credits

CPY 858  Supervision and Consultation: Theory and Techniques
This course provides the student with the opportunity to develop a knowledge base and skill set in the area of clinical supervision. Supervision theory, research, models of practice, and professional issues are considered. In addition, supervision skills are developed and practiced. 3 credits

CPY 864  Advanced Group Psychotherapy
This class builds upon foundation knowledge and skills for group practice and provides doctoral students in counseling psychology with the opportunity to further develop their expertise in the group modality. Students will give in-depth consideration to select theories
of group counseling and will expand their counseling skills by co-
facilitating a growth group for master’s level students taking the group
counseling class. In addition, topics addressed through readings and
discussion include ethical and legal issues in group counseling, the
group counselor as a person and a professional, dynamic issues in
group functioning, managed care and agency considerations, and
multiculturalism as it impacts group process. 3 credits

CPY 879  Psychopharmacology for Counseling Psychologists
The purpose of this course is to survey basic pharmacological
principles for non-medical helping professionals. This course explores
the field of psychopharmacology for all the major mental disorders.
Emphasis is placed on the relationships between drugs, their
mechanisms of action in the nervous system, and human behavior.
3 credits

CPY 886  Doctoral Internship
During the last year of the doctoral program in counseling psychology
students participate in a year long, full-time (or two year, part-time),
2,000 hour internship. The pre-doctoral internship affords students
the opportunity to employ the knowledge and skills acquired during
drugs under the supervision of seasoned practitioners
of psychology. With approval from their advisor and the director of
training for the PsyD Program in Counseling Psychology, students
apply for internships following successful completion of necessary
course work and comprehensive examinations. Students will have the
option of securing a program-approved internship site on their own
or of participating in the Association of Psychology Postdoctoral and
Internship Centers (APPIC) match program. More information about
the APPIC match program can be found at www.appic.org. 3 credits

CPY 890  Dissertation
Through the doctoral dissertation, students in the Counseling
Psychology Program are required to provide evidence of scholarly
competence that represents a unique contribution to the field
of psychology. Through this project students are expected to
demonstrate in-depth knowledge of an area relevant to the
professional practice of psychology as well as the ability to
think critically, integrate and evaluate research and theory, and
communicate their work clearly to members of the profession. Given
the program emphasis on the professional practice of psychology,
it is expected that the doctoral dissertation be psychological in
nature and be clinically useful to practicing psychologists. While
dissertations are a rigorous scholarly exercise, they are not limited to
experimental studies and quantitative measurement. Rather, students
are encouraged to use a variety of formats, including but not limited
to case studies of individuals, groups, or systems, program evaluation
or development, correlational research, theory development, or
synthesis and critical analysis of existing scholarly literature.
1-3 credits
MASTER OF EDUCATION IN ART EDUCATION
MASTER OF EDUCATION IN EARLY CHILDHOOD
MASTER OF EDUCATION IN EARLY CHILDHOOD SUPERVISION
EARLY CHILDHOOD SUPERVISORY CERTIFICATION OPTION
MASTER OF EDUCATION WITH CERTIFICATION OPTION
  ART EDUCATION K-12
  EARLY CHILDHOOD EDUCATION (PREK-4)
  SECONDARY EDUCATION 7-12
  SPECIAL EDUCATION PREK–8 AND 7–12
  AUTISM ENDORSEMENT
SCHOOL OF EDUCATION

EDUCATION OVERVIEW

The School of Education offers advanced graduate programs of study for those teaching in early childhood and K–12 art education settings. It offers graduate-level teacher certification in art education, early childhood, special education PreK–8 and 7–12, and secondary education 7-12.

Additionally, the graduate programs offer school principal certification, early childhood supervisory certification, and elementary and secondary school counselor certification.

SCHOOL OF EDUCATION MISSION STATEMENT

The mission of Carlow University School of Education is to nurture and support current and future Scholar-Practitioners who are reflective in action, capable of creating and serving in High Performance Learning environments, and who support and respect the dignity and diversity of all learners.

MASTER OF EDUCATION IN ART EDUCATION

PROGRAM OVERVIEW

The MEd in Art Education program will provide advanced pedagogical theory and non-classroom teaching internships for certified, experienced teachers. In addition, the program will integrate child and adolescent development theory with art education for both normal and exceptional (including gifted) children and youth. The objectives of the art education graduate program have been carefully developed to fulfill these purposes. Only courses numbered at the 700 level may be counted toward graduation in the MEd in Art Education. 36 credits

Graduates of the program will:

• Produce artwork demonstrating advanced, professional-level skills and concepts in at least one art medium of choice;
• Integrate studio, art history, art criticism, and aesthetics into well-conceived, theory-based curriculum development projects;
• Integrate current learning and psychology of art theories into applications for the classroom;
• Integrate theories and best practices derived from art therapy into classroom experiences for all students;
• Formulate and execute focused, in-depth personal learning projects in the areas of art content and art education.

Required Courses:
• AE 702, AE 703, AE 704, ED 794 or ED 796, AE 706, AE 707 or AE 708, AE 710, HPL 700, ED 731;
• Electives: [6 credits]: AE 700, ED 729, AT 731, AT 735

MASTER OF EDUCATION IN EARLY CHILDHOOD EDUCATION

PROGRAM OVERVIEW

Persons competent to teach in early childhood classrooms must be well grounded in current theories of child development and appropriate practice. They must bring an appreciation of the child’s potential within a complex environment to their interaction with children, their families, and other adults.

Such preparation requires:

• Analysis of current theory and practice,
• Ability to determine congruence of practice with its theoretical foundation,
• Deeper understanding of the philosophical, sociological, aesthetic, and psychological factors essential to the quality of an early childhood setting.

The Carlow faculty believes that professional personnel who work with young children must give evidence of:

• Creativity and sensitivity,
• Commitment to the development and learning of young children,
• An appreciation of family and community relationships,
• Skills in observing, documenting, and assessing child development,
• Understanding of content knowledge in early childhood,
• Skillful implementation of developmentally effective approaches and meaningful curriculum,
• Adherence to professional and ethical standards,
• Strong motivation for self-direction and continuing growth,
• Openness to new theories and research,
• Values that respect and promote the uniqueness of each person.

The Carlow program integrates current child development and curricular theory with field experience and ongoing field-based research.

Required Courses:
ED 703, ED 704, ED 707, SPED 712, ED 710, ED 714, ED 715, ED 718, ED 721, ED 729, EI 701, ED 727

Optional Electives:
ED 701, ED 720, ED 751, ED 766, EI 703, EI 705, EI 711

MASTER OF EDUCATION IN EARLY CHILDHOOD SUPERVISION

PROGRAM OVERVIEW

The early childhood supervisor is the catalyst for change in the educational setting. Some roles of the supervisor remain constant in infant settings, preschools, and K–3; others are strongly influenced by developmental age as well as content, materials, and learning strategies appropriate to each age grouping. The supervisor must be: a) a responsible leader; b) a developer of curriculum; c) an attentive listener to and accurate observer of child, teacher, staff, parent, and community needs; d) a resource or enabler of growth; e) a competent and creative administrator; and f) a mediator and challenger. The supervisor assumes varied responsibilities that include:

• The promotion of maximum learning and growth for all children through established programs and appropriate activities,
• The development of an informed set of values in staff and students,
• The supervision of both teachers and children with appropriate and timely feedback on their progress toward established goals,
• The promotion of a healthy self-image in teachers and children,
• The development of positive relationships with parents, school boards, and communities,
• The creation of a communication network at all levels of the school that will promote learning and curriculum development and so provide for appropriate articulation in the curriculum.

Required Courses:
ED 745, ED 753, ED 714, ED 715, and three High Performance Learning courses (TBD)

Electives (choose five of the following):
ED 703, ED 704, ED 707, ED 710, ED 718, ED 721, ED 727, ED 729, EI 701
EARLY CHILDHOOD SUPERVISOR CERTIFICATION

Requires early childhood teacher certification with five years of experience in an early childhood setting and completion of the early childhood supervision course of study. The candidate must meet the requirements for early childhood teacher certification and complete the required courses.

**Required Courses:**
ED 745, ED 753, ED 714, ED 715, and three High Performance Learning courses (TBD)

**Electives (choose five of the following):**
ED 703, ED 704, ED 707, ED 710, ED 718, ED 721, ED 727, ED 729, EI 701

MASTER OF EDUCATION WITH CERTIFICATION

**CERTIFICATION OPTIONS:**

- Art Education K-12
- Early Childhood Education PreK-4
- Secondary Education 7-12 (Content Areas: Biology, Chemistry, General Science, English, Mathematics, and Social Studies)
- Special Education PreK-8
- Special Education 7-12

The core of the MEd program includes child, youth and adolescent development, exceptionalities of development, teaching methodology, teaching in urban and culturally diverse settings, curriculum development, alternative methods of teaching, content area teaching, reading and writing across the curriculum, research and technology, and field experiences.

The overarching educational goal of the program is to enhance the graduate’s understanding of the learning process of various cognitive styles to implement effective learning experiences that meet the varying needs of all children, youth, and adolescents. Each program has specific objectives.

**FIELD EXPERIENCE REQUIREMENTS**

- Appropriate and current health clearances, criminal history background checks, child abuse history clearance, federal criminal history records (CHRI)

**STUDENT TEACHING REQUIREMENTS**

To be accepted for student teaching, students must have:

- A GPA of 3.0
- Appropriate and current health clearances, criminal history background checks, child abuse history clearance, federal criminal history records (CHRI)
- A completed student teaching application

**CERTIFICATION REQUIREMENTS**

All candidates for certification must maintain a minimum cumulative GPA of 3.0. A teacher candidate who has not met this minimum academic level will not be placed in student teaching.

The Pennsylvania Department of Education has approved the instructional programs in each area of certification. Students completing these approved programs must pass the required Pennsylvania Educator Certification Tests (PECT) or PRAXIS II examinations for their certification areas. These examinations are required for every person applying for Pennsylvania certification, no matter where that person has completed a teacher preparation program. Students who plan to teach in states other than Pennsylvania should ascertain testing and other special requirements in those states.
All students are responsible for applying for Pennsylvania Level I instructional certification upon completion of the Carlow University program and passing the required examinations. The student must pay all fees for certification. Any questions regarding testing and certification should be directed to the School of Education Certification Office.

**ART EDUCATION CONCENTRATION/INITIAL CERTIFICATION**

The Master of Education (MEd) degree with certification in Art Education offers students with a bachelor's degree the opportunity to complete a Master of Education degree and to obtain Pennsylvania state certification in art education. In the present era of inclusive schools, graduate students in this program will prepare to meet the educational needs of all children, including those with learning disabilities, physical limitations, emotional stress, and either limited or extremely advanced educational capacities. The fundamental purpose of the graduate program in art education is to advance Carlow's mission and educational strengths by developing competent and compassionate professional art educators.

The Master of Education degree with a concentration/certification in art education (K-12) is a 36 credit degree program for candidates who are new to the field of education in general and art education specifically. Candidates must have an art major and demonstrated studio proficiency. Required courses include child and adolescent development, learning theory, art education methods, and educating diverse learners, including working with English language learners and students with special needs. Student teaching at the elementary and secondary levels is required.

**Required Courses:**
HPL 700, ED 711, AE 704, AE 726, AE 727, SPED 712, ED 727, SPED 734 or SPED 736, SPED 751, ED 731, AE 729, AE 730

**EARLY CHILDHOOD EDUCATION CONCENTRATION/INITIAL CERTIFICATION**

The Master of Education degree with a concentration/certification in early childhood education (PreK-Grade 4) is a 36-credit degree program for candidates who are new to the field of education in general and early childhood specifically. An additional six credits of student teaching is required to complete the certification requirements. Core courses focus on child development, including children with special needs; family-centered practice in settings that service children from birth through grade four; educational theories that apply to early childhood; specific developmentally-appropriate strategies for facilitating children's learning in the content areas (symbolic play, language and early literacy, logical and mathematical thinking, exploration and inquiry, creative expression); teaching children from culturally and linguistically diverse backgrounds; and instructional and behavioral adaptations for children with special needs.

**Required Courses:**
ED 710, HPL 700, SPED 712, ED 703, ED 704, ED 707, ED 718, ED 721, ED 727, ED 729. Add one of the following capstone experiences: ED 731 and HPL 700 or ED 714 and ED 715, and student teaching: EC 716 (3 cr) and EC 717 (3 cr); or EC 719 (6 cr)

**SECONDARY EDUCATION CONCENTRATION/CERTIFICATION**

The Master of Education with a concentration/certification in the secondary content areas of biology, chemistry, English, mathematics, social studies, and general science is a degree program for candidates who hold a bachelor’s degree in the content area. The core of the program includes curriculum development and pedagogy, child and youth development, content teaching methodology, strategies for diverse learners, content literacy, research, and technology.

The overarching educational goals of this program: to enhance the graduate's understanding of learning as inquiry, to design and facilitate student-centered learning experiences, to reflect on the process of teaching and learning, to create a sense of community in classrooms of diverse learners, to think critically about the structure of and the major concepts in their discipline, and to connect theory to practice.

**Required Courses:**
ED 727, HPL 700, ED 711, ED 738, SPED 712, SPED 736, SPED 751, SE 709, SE 711, SE 750, ED 731 and one of the following courses in instructional technology: ED 794, ED 796
SPECIAL EDUCATION CONCENTRATION/CERTIFICATION

Carlow University’s Special Education program at the graduate level prepares teachers to meet the needs of children with a wide variety of mental, physical, social, emotional and behavioral disabilities in multiple settings. Graduates of the program obtain Pennsylvania special education certification in PreK-8, (3 years through eighth grade) and/or 7–12, (seventh grade through 21 years of age). To be considered highly qualified under the Pennsylvania Department of Education (PDE) a special education teacher must “complete an academic major or course work equivalent to an academic major at the PreK-4, 4-8, or 7-12 levels.” Therefore, students entering into the special education graduate program must be certified teachers in another content area.

The Graduate Special Education Program at Carlow University will include 21 credit hours of course work focusing on the practical application of research-based special education theoretical constructs and methodology. Equally essential are the carefully correlated field experiences totaling 210 hours in a variety of classrooms and educational settings. Additionally, 12 credits focusing on research methodologies, analytical processes, and critical issues in the field of special education will be included to comprise a 33 credit master’s degree in education.

Prerequisites
Students must have nine credits in special needs education as prerequisites to entering the Masters of Education Program with concentration in special education. At Carlow these would include: SPED 230, SPED 332, and SPED 334 or SPED 336. SPED 334 is required for students pursuing special education certification PreK–8. SPED 336 is required for students pursuing special education certification 7-12. For students who have not completed an educational certification program at Carlow, transcript review will determine prerequisites met in this area.

MED WITH CERTIFICATION OPTIONS IN SPECIAL EDUCATION PREK-8

Required Courses:  
SPED 750, SPED 751, SPED 760, SPED 770, SPED 771, SPED 772, SPED 776, SPED 777, SPED 778, SPED 779, SPED 782, SPED 790, ED 731

MED WITH CERTIFICATION OPTIONS IN SPECIAL EDUCATION 7-12

Required Courses:  
SPED 752, SPED 751, SPED 760, SPED 770, SPED 771, SPED 774, SPED 776, SPED 777, SPED 778, SPED 779, SPED 782, SPED 790, ED 731

AUTISM ENDORSEMENT

Through a four-course sequence, certified teachers will become familiar with the theories and methods proven to be successful in working with the Autism Spectrum Disorder (ASD) population. The first course in the sequence, SPED 772: Positive Behavior Supports PreK-8 or SPED 774: Positive Behavior Supports 7-12, provides a foundation of Applied Behavioral Analysis (ABA), including conducting Functional Behavior Assessments (FBAs) and designing Behavior Interventions (BIPs). The second course, SPED 760: Communication and Assistive Technologies, focuses on typical challenges for students with ASD in developing effective communication and provides an in-depth exploration of the various assistive technologies including augmentative communication systems that improve opportunities for students to access the general education curriculum or to develop functional communication skills. The third course, SPED 778: Autism, explores the evidence-based practices for teaching children who are on the spectrum including ABA, TEACCH, Early Start Denver Model, Discrete Trial Training (DTT), Verbal Behavioral Intervention (VBI), Picture Exchange Communication System (PECS), and Pivotal Response Training (PRT). The final course in the sequence, SPED 788: Applied Issues in ASD, addresses professional ethics, co-morbidity and medications, and parental collaboration. Central to the final course is the opportunity to apply the methods previously explored in a classroom or therapeutic setting.

Required Courses:  
SPED 772 or SPED 774, SPED 760, SPED 778, SPED 788
SCHOOL OF EDUCATION

COURSE DESCRIPTIONS

ART EDUCATION

AE 700   Independent Study in Art Education
Research and study of topics that are of special interest or concern initiated by a student (e.g., early childhood education and the development of creativity, integration of art and science/social studies, development of multicultural programs). May include preliminary research for the development of a thesis. 3 credits

AE 702   Current Issues in Art Education
Examination and discussion of current issues in art education and their treatment in traditional approaches. The students will analyze the National Standards in Art Education, National Teaching Standards in Art Education, state and local issues in art as a foundation for research contact, instructional design, production, and presentation, as well as advocacy. Attention is given to the richness of cultural diversity and the role of technology. 3 credits

AE 703   Creativity
Instructional strand designed for teachers as a base for researching and analyzing the nature, definition, and implementation of creativity in the classroom. This foundational course serves as a link between production, art history, and aesthetics based on creative problem solving. Further understanding of creativity as empowering others (basic leadership element) by challenging them to break traditionally imposed boundaries. 3 credits

AE 704   Advanced Curriculum Development
Development of curricula rooted in current concepts and skills promoted in art education with application to the needs and abilities of the full range of K-12 students that may be involved in an art program (gifted; educationally, emotionally, physically challenged; and culturally diverse). 3 credits

AE 706   Research in Art/Museum Education
An overview and in-depth review of past and current research in art and museum education that includes social, ethnographic, multi-cultural and cross-cultural studies, descriptive and observation studies, behavioral and psychological studies, and historical studies. 3 credits

AE 707   Internship: Museum/Alternative Education Sites
An internship culminating in extended experience that allows the student to integrate theory with practice through the development, execution, and evaluation of programming in museums. It includes the development of expertise in a number of exhibit areas. The experience will take place in a museum education setting. This full semester experience takes place under the supervision of a site monitor and University faculty member. 3 credits

AE 708   Internship: Alternative Education Site
An internship culminating in an extended experience that allows the student to integrate theory with practice through the development, execution, and evaluation of programming for special populations, including students with disabilities. The experience will take place in an alternative education site. This full semester experience takes place under the supervision of a site monitor and University faculty member. 3 credits

AE 710   Christian Iconography from the Catacombs to the Contemporary Museum
An introductory exploration of the branch of art history known as iconography, which studies the identification, description, and interpretation of the content of images. Students will explore the history of iconography and the dynamic concepts that controlled it as they discover why the growth of Christian iconography is so rich and varied. Students will translate information from a visual language to a textual language through formal and stylistic analysis. Students will compare and contrast ways that iconoclasm and censorship played a role in regulating iconographic artworks viewed by the public. 3 credits

AE 726   Elementary Art Materials and Methods
Elementary Art Methods and Materials is a professional sequence course designed for students pursuing certification in art education. This course provides a sequential and systematic exposure and training in developmentally appropriate methods, materials, procedures, and techniques necessary for an effective elementary art program. Students gain theoretical knowledge in art education theory, developmental stages of artistic growth, and structuring and maintenance of a comprehensive elementary art program. 3 credits

AE 727   Secondary Art Materials and Methods
Secondary Art Methods and Materials in Art is a core course designed for students in the art education certification program to gain an understanding of the structuring and implementation of an effective and comprehensive art program on the secondary level. This goal will be accomplished through the integration of art educational theory and practice. Through lecture, discussion, studio sessions, and observation and participation in field experience, the students will achieve an awareness and understanding of the creative needs and potentials of early and late adolescents as part of their artistic development. 3 credits
AE 729   Art Education Student Teaching Elementary School
Eight weeks full-time teaching in an elementary (K-6) art room
under the direct supervision of the cooperating teacher and
University supervisors. Verification of competence will be determined
jointly by the cooperating teacher and the University supervisor.
The seminar will include the development of topics particularly
pertinent to this experience: school law, professional organizations,
evaluation, school-based relationships, strategies for teaching,
classroom management, development of assessment strategies, and
preparation for employment. Note: No other courses may be taken
while a student is registered for student teaching without special
permission of the director of art education. 3 credits
PREREQUISITE: COMPLETION OF ALL MAJOR COURSE
REQUIREMENTS, PROFESSIONAL SEQUENCE REQUIREMENTS,
AND MINIMUM CUMULATIVE GPA OF 3.0.

AE 730   Art Education Student Teaching Secondary School
Eight weeks full-time teaching in a secondary (7-12) art room under
the direct supervision of the cooperating teacher and University
supervisors. Verification of competence will be determined
jointly by the cooperating teacher and the University supervisor.
The seminar will include the development of topics particularly
pertinent to this experience: school law, professional organizations,
evaluation, school-based relationships, strategies for teaching,
classroom management, development of assessment strategies, and
preparation for employment. Note: No other courses may be taken
while a student is registered for student teaching without special
permission of the director of art education. 3 credits
PREREQUISITE: COMPLETION OF ALL MAJOR COURSE
REQUIREMENTS, PROFESSIONAL SEQUENCE REQUIREMENTS,
AND MINIMUM CUMULATIVE GPA OF 3.0.

AT 735   Foundations of Art Therapy
Foundations of Art Therapy investigates the basic concepts and
theories in the field of art therapy. The essential elements of art
therapy are explored through experiences that familiarize the student
with art materials and the process of art making. Students are
provided with supervised experiences that highlight the therapeutic
benefits of art. Theoretical material pertinent to the process of art
therapy is discussed. 3 credits

EC 717   Student Teaching in Primary Classrooms
Primary grade student teaching provides supervised experience
teaching in a K-3 setting for eight weeks. The student assumes
teaching responsibilities, applies theory/practice, and develops a
teaching style under the direct supervision of the cooperating teacher
and University supervisor. Verification of student competency will
be determined jointly by the cooperating teacher and the University
supervisor. Student teachers return to campus for a seminar with
the University instructor as scheduled. These seminars provide
opportunities for discussion of various student teaching experiences
as well as analysis of the goals, program designs, and curricula of
various early childhood programs. In addition, the seminar focuses
on current school issues, school law, certification requirements,
as well as suggestions for completing portfolios, applications, and
resumes. Mock interviews with adjunct faculty and graduate students
provide opportunities for candidates to practice articulation of theory
to practice. 3 credits
NOTE: NO OTHER COURSES MAY BE TAKEN DURING STUDENT
TEACHING WITHOUT SPECIAL PERMISSION OF THE DIRECTOR OF
EARLY CHILDHOOD EDUCATION. PREREQUISITES: COMPLETION
OF ALL EARLY CHILDHOOD EDUCATION REQUIREMENTS AND
MINIMUM CUMULATIVE GRADE AVERAGE OF 3.0.

EC 719   Early Childhood Student Teaching
Early childhood student teaching provides supervised experience
in teaching settings that serve children from PreK through grade
four for 12-16 weeks, depending on individual circumstances. The
student assumes teaching responsibilities, applies theory/practice,
and develops a teaching style under the direct supervision of the
cooperating teacher and University supervisor. Verification of student
competency will be determined jointly by the cooperating teacher and
the University supervisor. Student teachers return to campus for a
seminar with the University instructor as scheduled. These seminars
provide opportunities for discussion of various student teaching
experiences as well as analysis of the goals, program designs,
and curricula of various early childhood programs. In addition, the
seminar focuses on current school issues, school law, certification
requirements, as well as suggestions for completing portfolios,
applications, and resumes. Mock interviews with adjunct faculty and
graduate students provide opportunities for candidates to practice
ED 701   Seminar: Topics and Issues in Early Childhood Education
An in-depth seminar on current issues in the field of early childhood education. Topics such as early literacy, conflict resolution, standards-based instruction, diversity in education, early intervention, anti-bias curriculum, infant and toddler care, and child advocacy are some of the areas that are covered. 1 to 2 credits

ED 703   Developing Logic and Mathematical Thinking in Young Children
An examination of the ways logical thinking develops in the young mind, particularly in relation to early numeracy and science concepts. Candidates assess children's development in early numeracy skills such as one-to-one correspondence and number sense, conservation of number, space, and volume, and patterning and seriation. The NCTM standards for PreK to Grade 2 provide a framework for designing a numeracy curriculum in early childhood. Science concepts are presented using inquiry-based methodology and are aligned with standards for early childhood. 3 credits

ED 704   Child, Family, and Culture
An examination of the development of the family and the concept of childhood. The inter-relatedness of the child, family, and community are explored. Through an understanding of theoretical content and its application to the lives of children and their families, the advanced student gains sensitivity to the meaning of education in its broadest sense. 3 credits

ED 707   Understanding and Facilitating Children's Play
An overview of the role of play and symbolic representation in the young child's social, emotional, physical, and cognitive development. Candidates are able to integrate a play-based curriculum into an early childhood program using current theories and research on the meaning and importance of play in the development of the young child. The development of the capacity for play and fantasy across developmental stages includes the role of play in programs for infants, toddlers, preschoolers, and school-age children. 3 credits

ED 708   Understanding Children with Special Needs
Students will be informed of the federal and state laws that deal with children with disabilities and the implication for inclusion. Students will also receive an overview of a variety of children with special needs and with a range of disabilities. The course builds on the theories and principles of child development. The course will include the following areas for examination: early intervention as a field, dealing with a number of disabilities, working with families, integrating the curriculum to meet special needs, and recognizing the resources. Additional related topics will be dealt with as they are raised during the classroom interactions. The students will investigate a wellness concept for examining children with special needs. Students will come to recognize that children with special needs are part of the diverse population in the schools. In addition, the students will explore a developmental model and the implications for treatment for young children with developmental delays and severe handicaps. The students will investigate the education of families as a key responsibility in working with children with special needs. Students will become knowledgeable about the strengths and abilities as well as the similarities and differences between the child who is developmentally delayed and the child with more severe handicaps. These investigations will be done within the spirit of inclusion. 3 credits

ED 710   Child Development: Birth-8 Years
Advanced study of the mental, social, emotional, moral, and physical development that occurs at a rapid and critical rate from birth to eight years. The learner becomes familiar with the normative descriptive research relative to these aspects of child development and with theories and principles of human development that pertain to the early years of the child. Educators have the opportunity to deepen their understanding of the subtle, interactive nature of these facets of development and study the role of adults who actively and passively participate in this developmental process. 3 credits

ED 711   Child/Youth Development and Learning Theory K-12
This course provides an in-depth investigation of child and adolescent development during the school-age years (K-12). Particular emphasis is given to the observation and study of a child/adolescent within this age group. Students will observe, interview, and assess development in the physical, social, emotional, intellectual, and moral domains. Class discussion will focus on each student's findings as related to child and adolescent development theories and information gathered by other students about children in the same age range. A major focus will be the child/adolescent in the context of society: family influences, peer influences, societal influences, religious influences, and cultural influences, and the implications for best practice in school and community settings. The relationship between child and adolescent development and student's school performance will be examined, with emphasis on appropriate teaching practices at various ages during the period. Instructional strategies will include mini-lectures, class discussions, small group projects, firsthand observation, and written assignments based on class material and other research. 3 credits

ED 714 Research Seminar
The research seminar prepares students to critically analyze current research and to understand the importance of research findings for best practice in educational settings. The course provides an overview of research concepts and procedures and will help students compare and contrast various types of research. During the course of the semester, students will complete a draft of the thesis proposal using APA style. Participants in the course will learn how to write a problem statement, will complete a literature review that relates to
the problem, and will identify appropriate methods for carrying out a research project. 3 credits

ED 715    Thesis
The masters thesis is a research study or project that contributes to the theory and practice of education in the candidate’s field of study. The thesis is carried out under the direction of a research director according to the guidelines established by the School of Education. During this course, candidates will develop a thesis proposal, seek approval from the thesis committee and Carlow University IRB committee, implement the thesis study or project, and write a final thesis report. The thesis proposal includes a problem statement, review of the literature, and a method section outlining the thesis plan. The thesis report includes the problem statement, a review of the literature, the methodology, the results of findings, and a discussion of the findings. Guidelines for writing the thesis proposal and the thesis report are found in the thesis guide. This is a capstone experience, typically taken at the end of the program. 3 credits
PREREQUISITE: ED 714.

ED 718    Communication and Reading Development
This course focuses on the development and relationship between language skills and literacy/reading skills. The first half of the course will show how children become readers, highlighting significant developments from birth through eight years of age. The course provides general information on how children learn and develop, with special emphasis on communication. Interactive language experiences are linked to the acquisition of reading skills. Reading skills are examined in depth, with many opportunities to see where children might struggle, and phonology will receive particular attention. The course includes recommended practices and instructional strategies to teach reading or enhance literacy development during the early childhood years. 3 credits

ED 720    Planning and Administering Early Childhood Education Programs
An examination of the growth of programs for the care and education of young children during the last century, particularly in Europe and the United States, and an analysis of trends and current challenges in the field of early childhood and of various types of programs designed for children in child care, Head Start, preschool, and early intervention programs. Enables candidates to identify the goals and purposes of these various programs. Candidates discuss the impact of administration, supervision, team teaching, and parent involvement on the delivery of service and examine federal and state licensing standards as well as the process for registration of teaching staff. The final project consists of a case study of one early childhood program currently in operation. 3 credits

ED 721    Curriculum and Assessment in Early Childhood Education
A theoretical and practical review of curriculum for early childhood programs and various models for delivery of quality programming for young children and their families. Students develop a curriculum that is congruent with their stated philosophies of education. Informal and formal assessment, methods, and screening instruments are examined for validity and reliability with young children. 3 credits

ED 727    Teaching English Language Learners PreK to 12
This course provides an introduction to the principles of second language acquisition, with a focus on linguistics. Developmental factors and cross-cultural awareness, as well as an introduction to methods in teaching English language learners from PreK to 12, will be discussed. Techniques for developing the conversation and literacy skills of English language learners in the mainstream classroom will be presented. Participants will practice techniques and learn methods of assessing student proficiency and progress. Participants will learn to utilize available school and community resources to assist ELLs in language acquisition and content learning, and will become aware of ways to promote parental/family involvement in their children's educational experiences. Because classroom observations are required, students need to have clearances. 3 credits

ED 729    Aesthetics as Learning
The students will describe aesthetics and the value of beauty in life. They will describe ways that learning is promoted through the visual arts, creative writing, dramatic play, music, and movement. The students will examine a developmental approach to the art forms. Building upon an understanding of the principles of child development, students will develop an understanding of the ways aesthetics will facilitate learning and creativity. The art forms will be a route to facilitating the young child’s growth and development cognitively, socially, emotionally, physically, and in language development. Aesthetics is another way of knowing. Students will learn to apply concepts to practice in working with typical young children with a range of individual differences, as well as to children with developmental delays and special needs. Written and orally presented case studies, weekly readings, and writings are required. 3 credits

ED 731    Creative Inquiry
During this capstone course learners are expected to complete their praxis-based inquiry and prepare and present their final conceptual paper. Through on-campus class meetings and web-based learning modules, learners will have an opportunity to discuss issues of portrayal, voice, and stance in writing a scholarly paper. Emphasis will be on preparing a final draft of their scholarly paper. The primary emphasis in this seminar is conducting a creative inquiry. Students will be expected to do independent work and web-based learning modules in which they:

- Identify, locate, access, and obtain relevant information for inquiry;
- Evaluate the quality of the literature and information they are gathering;
- Interpret information using various theoretical lenses;
- Use information to develop and warrant conceptual arguments related to the intent of their inquiry.
In addition to whatever independent inquiry activities are associated with the project, learners also participate in a series of on-campus sessions during which they have an opportunity to:

- Submit oral and written progress reports on their project of creative inquiry;
- Obtain advice on any issues or problems that may have arisen about their project; and
- Examine epistemological and methodological issues associated with scholarly creative inquiry.

This seminar focuses on preparing a final conceptual paper and an oral presentation of the creative inquiry project. This seminar culminates with the choice of either participating in the Celebration of Teaching and/or the Graduate Colloquium during which time learners share the results of their creative inquiry with faculty, students, and community-based professionals. 3 credits

ED 738  
Curriculum Theory and Development
Designed to assist the student in gaining knowledge and skills necessary to select and develop the curriculum that will support the philosophy and aims of the school. The student becomes aware of the relationship of curriculum to instruction, to supervision, and to society's expectations. Curriculum skills are developed within the context of those factors which influence educational planning, ranging from basic through adapted education. 3 credits

ED 745  
Supervising Programs for Infants/Toddlers, Preschoolers and K-3
An examination and identification of appropriate supervisory models for each of the three levels of educational programs. The course focuses on developmentally appropriate practices for each age group and evaluates the best strategies for assisting staff in providing sound programs for the physical, social, and cognitive development of children.

The course also offers models of parent involvement in each program area and ways of supervising parent participation. 3 credits

ED 751  
Special Topics for Independent Study
Research and study of topics of special interest or concern initiated by a student or faculty member (e.g. public relations, fundraising, effective written communications, teacher and child rights) are emphasized. Each independent study is planned cooperatively by the student and a supervising faculty member. The study must either be related to one or more of the competencies listed for an elementary or secondary school principal, or other appropriate areas of leadership. Approval of the program director is required. Variable credits

ED 753  
Internship in Early Childhood Supervision
A full semester’s experience in early childhood settings. The intern is paired with a supervisor in a school district [or other appropriate supervisory personnel] and a college supervisor. The intern must demonstrate competence in policy determination, program development, instructional design, and staff development. The intern develops guidelines for conformance of sites and programs to regulations, conducts a needs assessment for a proposed program, designs a program, and plans and conducts an appropriate program related to staff identified needs. 3 credits

ED 766  
Children and the Media
An overview of the research and educational policies regarding young children and the media. There is growing controversy over the role of media and technology in the lives of children. Some suggest that starting early to teach technology skills is important; others have grave concerns about the impact on early brain development when children experience extended viewing of objects in two dimensional form, rather than exploration of three-dimensional objects. Additionally, there is ample evidence that television and video viewing affects the social behavior of young children, in either positive or negative ways, depending on the content of the programming. Learners will examine the controversies surrounding the effects of media (visual, auditory stimulation) and the recommendations of various professional organizations on the use of media and technology in programs for young children. 2-3 credits

ED 794  
Instructional Design for Technology Integration
Introduction of the theories, research, and conceptual models utilized in instructional design. It focuses on analysis of variables that allow the educator to integrate technology effectively. Issues regarding computer ethics, equity, and history are presented and discussed. Assessment of technology needs and planning for implementation as well as diffusion theory are combined to prepare the individual to develop a school technology plan and to realize its adoption. Design elements of computer-based instruction (CBI) and the evaluation of CBI software programs are introduced. This class is designed to prepare the teacher to develop a philosophy regarding technology and its implementation. Classroom format. 3 credits

ED 795  
Internship in Instructional Technology
The internship in instructional technology is designed to allow students to implement the theories and skills acquired through their educational training in the Instructional Technology program. Students experience a variety of problems and design solutions for effective implementation of instructional technologies for K-12 schools. These include the assessment, design, application, and evaluation processes involved in the delivery of instructional technology services. 3 credits

ED 796  
Selection and Integration of Media into the Classroom
Provides an overview of a variety of media including, print, audio, video, projection, multimedia, and telecommunications, focusing on their attributes and utilization in the classroom. Provides teachers with the working knowledge necessary to appropriately select technologies for the classroom that support student learning. This course will allow educators to use and evaluate a variety of media and will provide guidelines for the selection of their application. Classroom or online format. 3 credits
EI 701  Strategies for Early Intervention
An overview of the laws that relate to services for children with disabilities and appropriate strategies for providing those services to children and their families. Focus is on children from birth to eight years in various settings: home, school, Head Start, childcare, and early intervention programs. Intervention strategies address topics such as developing individualized plans for children and families, adapting program structure and content, managing behavioral difficulties, using a team approach, implementing specific strategies for inclusion, and accessing various support services available to families and children. 3 credits

EI 703  Trans-Disciplinary Approaches to Early Intervention
An examination of various disabilities and the types of intervention required using a team approach. The roles of physical therapists, occupational therapists, speech pathologists, social workers, developmental specialists, and others who work with families and children with disabilities are explored. Information from each of the disciplines is provided along with ways to foster communication and specific strategies for intervention across disciplines. Students learn a variety of assessment methods and become familiar with assessment strategies that are appropriate for children with various disabilities. 3 credits

EI 705  Building Relationships with Families
An in-depth course on family-centered practice that builds on information presented in other early childhood courses. This course specifically identifies ways to assist families in their role as team members while developing individual plans for children with disabilities.

EI 707  Early Intervention Internship
A hands-on experience working with children from birth to age eight in an inclusive setting.

Two options are available for this experience. One is for the intern to become an integral part of a trans-disciplinary team in an inclusive classroom setting for one day per week.

The intern may focus on one particular child and family to develop case material, but the emphasis is on refining classroom strategies that support full inclusion. The second option is for the intern to partner with a family who has a child with a disability and assist the family on a weekly basis. Responsibilities include shadowing the parents and learning more about the day-to-day family activities. As the semester progresses, the intern takes on a more active role in assisting the child and family. Activities might include daily living activities (dressing, eating, sharing family time), visits to an occupational, physical, or speech therapist, medical visits, or accompanying the family on outings. 3 credits

EI 708  Understanding Children with Special Needs
Study of the numerous areas of exceptionality which are of a physical, mental, or social emotional nature. This includes understanding the range of causes, varying definitions, and degrees of pathology, prevention, education, and general treatment. Possible overlapping of clinical symptomatology is stressed. Related topics include parental adjustment and reactions to exceptionality, peer relations, teacher attitudes, and approaches to the child. Examination of the requirements and implications of Public Law 94-142 and Public Law 99-457 are included. 3 credits
PREREQUISITES: ED 704, ED 710, AND ED 711.

EI 710  Child Development: Birth–8 Years
Advanced study of the mental, social, emotional, moral, and physical development that occurs at a rapid and critical rate from birth to 5 years. The learner becomes familiar with the normative descriptive research relative to these aspects of child development and with theories and principles of human development that pertain to the early years of the child.

Educators have the opportunity to deepen their understanding of the subtle, interactive nature of these facets of development and to study the role of adults who actively and passively participate in this developmental process. 3 credits

EI 711  Programming for Infants and Toddlers
An overview of infant/toddler development and the appropriate practices for programs that serve children from birth to age 3. Topics include optimal settings for infants and toddlers, the importance of attachment and the role of the adult, environmental design, and appropriate experiences and activities. 3 credits

HIGH PERFORMANCE LEARNING

HPL 700  Foundations of High Performance Learning
This overview course depicts some of the major issues and challenges facing education today. The new paradigm in education requires a deep understanding of key concepts and principles essential to a high performance learning strategy, including learner centrality, cognition, assessment, learning theory, educational research and analysis, educational structures and policy, and digital learning environments. 3 credits
SECONDARY EDUCATION

SE 709   Student Teaching in Secondary Education
Sixteen weeks of full-time teaching experience in a middle or high school setting under the direct supervision of a cooperating teacher and University supervisor. After a brief observation period, the student teacher is expected to demonstrate competency in planning, facilitating, and assessing learning activities. The student teacher gradually assumes full classroom responsibilities. Students may teach in more than one content area. Verification of competence is determined jointly by the cooperating teacher and the University supervisor. Student teachers are required to attend University seminar meetings throughout the semester. **6 credits**

PREREQUISITES: COMPLETION OF PROFESSIONAL SEQUENCE REQUIREMENTS AND A MINIMUM GPA OF 3.0. NOTE: NO OTHER COURSE MAY BE TAKEN WHILE A STUDENT IS REGISTERED FOR SE 709 WITHOUT SPECIAL PERMISSION FROM THE CHAIR OF SECONDARY EDUCATION.

SE 711   Content Area Literacy
An introduction to methods for teaching reading and writing in the secondary content areas. Students are immersed in critical thinking concepts and strategies that enable them to identify and analyze the structure of their discipline. They incorporate knowledge of their particular discipline and what research has documented about reading and literacy theories in order to understand the role of reading and writing within that discipline. The focus is content literacy. Central to this course is the idea of using writing as a means of coming to know. **3 credits**

SE 750   Secondary Education Curriculum and Methods
The purpose of Secondary Education Curriculum and Methods is to prepare students to teach adolescent learners. This course involves elements of theory, reflection, and workshop. It is theoretically informed so that students have an understanding of theoretical positions that drive classroom practice. It is reflective in order to involve students in consistent, formal reflection about the course readings, their own experiences as learners, and their experiences in the course itself. It incorporates workshop opportunities in which students participate in activities they are being taught to teach. **3 credits**

SPECIAL EDUCATION

SPED 712   Foundations of Special Education
An introduction to the field of special education. Included among the topics addressed are the history of special education and its legal and legislative foundation. A focus on the nature and causes of disabilities will give students an overview of the needs of exceptional children. The entire range of disabilities requiring special education intervention will be addressed. This includes children with hearing losses, visual problems, speech disorders, attention deficit, traumatic brain injury, autism, emotional-social disorders, mental retardation, learning disabilities, and giftedness. Current trends will focus on minority representation, inclusion, and standards. Lastly, definitions, prevalence, causes, assessment, characteristics, and educational considerations for several exceptionalities will be reviewed. This course is designed to nurture in students a critical stance towards research, theory, and practice. The goal is that students become educated consumers of the special education knowledge base. For this purpose, the prevailing as well as alternative perspectives on topics will be reviewed. In addition, cultural diversity and social justice will be emphasized throughout the course. **3 credits**

SPED 732   Instructional Strategies in Reading, Writing, and Math
Designed for the general education teacher, this course focuses on prevention and early intervention for struggling learners in general and inclusive classrooms. The instructional cycle of assessment, planning, instruction and progress monitoring combines for a complete view for developing an effective learning environment for all learners. Specific instructional and learning strategies to improve literacy and mathematics are introduced, practiced, and applied in a 30-hour field placement in a classroom with students exhibiting learning difficulties. Emphasis on the reading-writing connection is included. Examination of current practices in the implementation of responsiveness to intervention (RTI) models and understanding of universal design for learning (UDL) prepares teachers to meet the learning needs of all students including those identified as having special needs and those students who are at risk. Models and methods for collaboration and communication with other teachers and parents are examined. **3 credits**

PRE-REQUISITES: SPED 712

SPED 734   Instructional Support for Subject PreK-8
This course focuses on expanding the understanding of development and cognition in and academic and functional performance of students with disabilities, how these are similar to and different from all developing students, and how this understanding informs the teaching of students with disabilities in the primary and middle school environments.
Another area of exploration is the ways in which these differences need to be addressed within a standards-aligned system that demands high expectations of students with disabilities so that they have true access to the general education curriculum. This course will enhance the development of a range of instructional supports and use of validated practices teachers for inclusive settings, especially in content area subjects, but also the supporting skills of reading, written language, and math, that are necessary for success in today's classrooms. 3 credits

SPED 751  Assessment
This course is designed to familiarize teacher candidates with the many ways in which assessment accompanies instruction in the classrooms of today. A strong emphasis is placed on linking assessment with planning for instruction and developing Individual Education Plans for students identified as eligible for special education services. Students will learn to identify, choose, and administer appropriate assessment measures, both formal and informal, in the classroom and for identification of disabilities in students. Emphasis is placed on developing the understanding necessary to interpret assessment data and to use that information to plan instruction for students in a standards-aligned system. Among the specific topics covered are progress monitoring and its relationship to response-to-intervention in the general education classroom, functional behavioral assessment and its relationship to behavioral intervention plans, and issues of assessment with children from culturally and linguistically diverse communities. 3 credits

SPED 752  Transitions to Adulthood (7-12)
This course is designed to prepare special education teacher candidates to assist students with disabilities and their families as they navigate transition points such as moving from preschool to school and from secondary settings to work or postsecondary education. Effective instructional practices that support transition at each level will be a central part of this course, as will the range of delivery methods for effective transition. Transition remains a challenge for individuals with disabilities, despite the focus on providing students with disabilities access to the general education. Special educators need to understand the processes and procedures of transition from secondary school to postsecondary settings. They must develop facility with the tools that support transition regardless of the setting in which education takes place. A key focus will be on the vocational choices, training, and education available to young adults with disabilities, and the major societal challenges that face young adults as they make the transition into adulthood. Understanding transition assessment and incorporating transition planning into IEP development will also be a focal point of this course. The differing legal requirements between the Individuals with Disabilities Education Act and the Americans with Disabilities Act will be a central part of this course. The field component of this course involves visits to sites that prepare individuals with disabilities to enter the post-school environment. 3 credits

SPED 760  Communication and Technologies in Special Education
This course focuses on language development from birth to adult in individuals with disabilities, the range of communication needs often displayed, and alternative technologies to support those needs. An area of particular emphasis is the teacher's role in supporting language and communication development in the classroom and as a contributing member of the transdisciplinary team. Collaborative models and communication strategies for developing effective working relationships with team members will be examined. In addition, students will study the role of augmentative and alternative communication (AAC) and assistive technologies; their selection, function, and application for promoting independence for learning and living. Opportunities for hands-on exploration of a variety of devices, both low and high tech, including switches, augmentative communication devices, alternative keyboards, specialized computer software, adaptive equipment, and other items available in Carlow's Assistive Technology Library will be utilized. 3 credits

SPED 770  Mild/Moderate
This course is designed to support special education teacher candidate mastery of the range of instructional approaches available for teaching students with mild to moderate disabilities in today's classrooms, including specialized strategies for the teaching of reading, written language, mathematics, and social skills. The course addresses the special educator's role in the continuum of classroom settings and the teaching methods utilized with this population.
Teacher candidates explore the conceptual frameworks required by teachers as they identify student ability levels and learning styles and plan for appropriate instruction for all learners. Adaptation of existing educational materials and curriculum are often required to implement a successful program. Universal design for learning and instruction is an integral part of this course. Teacher candidates will learn to utilize current research and evidence-based practices that are used in the education of students with mild/moderate disabilities. They will learn to employ strategies from multiple instructional approaches. They will learn to use principles of instructional design that will permit them to address Pennsylvania State standards and assessment anchor content standards in the classrooms in which they teach that will meet students’ IEP goals and objectives. 3 credits

PREREQUISITES: SPED 751

SPED 771   Seminar for Mild/Moderate
This web-based seminar course focuses on the examination of current research in the field related to the teaching and learning of individuals with mild/moderate disabilities. It is designed to help students develop advanced foundational knowledge which will apply in a variety of diverse school settings and prepare them to be critical producers and consumers of both quantitative and qualitative research. 1 credit

SPED 772   Positive Behavior Supports (PreK-8)
This course is intended to provide teachers with an understanding of the etiology and conditions of student behavior and equip them with strategies so that they may manage classroom behavior effectively. The techniques of Applied Behavioral Analysis will be introduced. Identification of students at risk including children with emotional, social, and behavioral disorders and the development of effective intervention strategies will be covered. A variety of methods for data collection and the analysis of the information generated by these methods are included in the course. Functional Behavioral Assessments (FBA) and the development of the Behavior Improvement Plan (BIP) will be explored so that a beginning teacher is prepared with numerous options to use when dealing with problem behavior in a positive and proactive manner. 3 credits

SPED 774   Positive Behavior Supports (7-12)
This course is intended to provide teachers with an understanding of the etiology and conditions of student behavior and equip them with strategies so that they may manage classroom behavior effectively. The techniques of Applied Behavioral Analysis will be introduced. Identification of students at risk including children with emotional, social, and behavioral disorders and the development of effective intervention strategies will be covered. A variety of methods for data collection and the analysis of the information generated by these methods are included in the course. Functional Behavioral Assessments (FBA) and the development of the Behavior Improvement Plan (BIP) will be explored so that a beginning teacher is prepared with numerous options to use when dealing with problem behavior in a positive and proactive manner. 3 credits

SPED 776   Severe/Profound
This course is designed to prepare students to teach children and young adults with severe/profound disabilities. Learning objectives will cover student assessment and program design, along with the implementation of an appropriate educational program. In addition, communication methods, self-help skills, activities of daily living, as well as socialization will be addressed with this population. This course will include a 30-credit field placement in an authentic learning environment—a nationally accredited approved private school that demonstrates ‘best practices’ with this population. The field placement will reflect the special education program, either a PreK-8 or 7-12 age group. This will provide the student with excellent teaching models and the opportunity to learn from a variety of experts and practitioners in the field including teachers, para-professionals, administrators, speech and language therapists, occupational therapists, physical therapists, and rehabilitation technologists. The student, through hands-on learning, will experience the challenges and rewards of teaching children and young adults who are challenged by severe/profound disabilities. 3 credits

SPED 777   Seminar for Severe/Profound
This web-based seminar course focuses on the examination of current research in the field related to the teaching and learning of individuals with severe/profound disabilities. It is designed to help students develop advanced foundational knowledge which will apply in a variety of diverse school settings and prepare them to be critical producers and consumers of both quantitative and qualitative research. 1 credit

SPED 778   Autism Spectrum Disorders
This course is designed to prepare teachers to work in a variety of environments serving children and young adults with autism spectrum disorders (ASD) including the general education classroom, inclusive settings, and specialized settings. Evidence-based practice, philosophical approaches, and specific intervention techniques are examined. These practices are considered within the continuum of services and collaborative models utilized in designing effective instructional environments for students with ASD. Attention is given to current and evolving research related to etiology, brain function, and early intervention, as well as Applied Behavior Analysis, PECS, and TEACHH practices. 3 credits

SPED 779   Seminar for ASD
This web-based seminar course focuses on the examination of current research in the field related to the teaching and learning of individuals with autism spectrum disorder (ASD). It is designed to help students develop advanced foundational knowledge which will apply in a variety of diverse school settings and prepare them to be critical producers and consumers of both quantitative and qualitative research. 1 credit

SPED 782   Social Foundations of Special Needs Education
This course explores the historical and legal background of special education, a sociological view of disability, and the current state of special education including issues confronting the field, such
as inclusion, professionalism, the changing role of the special educator, and ethics. The course is designed to broaden students’ understanding of the evolution of special education in the contexts of social, economic, and political influences. In addition, students are required to identify an area of need either locally or internationally and complete 20 hours of service to meet this need. 3 credits

SPED 788  Applied Issues in Autism Spectrum Disorders
This course is designed to provide professionals working in a variety of environments serving children and young adults with Autism Spectrum Disorder (ASD) including the general education classroom, inclusive settings, and specialized settings, with opportunities to develop essential skills for effective collaboration with families and service providers. Examination of professional ethics and approaches for effective communication and support for individuals and their families define the foundation for decisions regarding appropriate educational practices for children and youth with ASD. These include determinations for medication, related services, generalization and long range planning. 3 credits
PREREQUISITES: SPED 772 OR SPED 774, SPED 778

SPED 790  Special Education Internship
A culminating experience that will demonstrate the integration of theory and effective practices in special education. The students will achieve this through an on-site experience with children and youth who have a range of disabilities. A mentor teacher is assigned to provide daily feedback and guidance in the planning, preparation, instruction and evaluation of the effectiveness of learning experiences for children and youth with special needs. A University supervisor oversees the student teaching experience and students attend bi-weekly seminars at Carlow. 1 to 3 credits

PROFESSIONAL DEVELOPMENT

The following Professional Development Courses are offered in collaboration with the Teacher Education Institute (TEI) except for ED 605 Seminar in Student Assistance. Call 800.331.2208 or visit www.TeacherEducation.com to register for those courses offered through TEI. Students can register for ED 605 Seminar in Student Assistance by contacting Susan Tarasevich, EdD at 412.586.2575.

The listed professional development courses may be used in the graduate program at Carlow University if the course and grade are consistent with University-wide transfer policies and if the academic advisor recommends the course(s) for transfer into the student’s program.

ED 601  Writing Across the Curriculum, K-12
This course will provide participants with an understanding of the factors and traits of writing, a common language for teaching and assessing student writing, and a practical prescription for teaching the tools of self-assessment. Participants will be provided with ideas and strategies to be effective teachers of writing. Online format. 3 credits

ED 603  Cyberbullying
Cyber bullying has quickly become a 21st century epidemic and a growing concern for students, parents, and educators. This course will alert teachers to the harmful effects of online harassment and teach them how they can be the driving force to prevent it in their schools. A primary goal of this course requires that teachers will learn various techniques that they can implement upon return to their classrooms. Additionally, teachers will reflect on what they are learning and propose a way to integrate cyber bullying content into the classroom curriculums. Classroom or online format. 3 credits

ED 602  Strategies for Teaching Students with Autism/Asperger’s Syndrome
This course is designed to focus on developing an understanding of autism and Asperger’s syndrome, intervention strategies to enhance communication and learning for these students, and methods of teaching social skills to assist them in interacting with their peers. This course will provide teachers with tools and strategies to implement effective teaching practices for students with autism/Asperger’s syndrome. Classroom or online format. 3 credits

ED 604  Common Core Mathematics
This course will examine the Common Core Standards for Mathematics (CCSSM). Part of the course will focus on the background and factors that led up to the present Common Core initiative and the relationship of CCSSM to previous mathematics education initiatives such as STEM and the National Council of Teachers of Mathematics (NCTM) standards. The coursework will examine the Mathematical Practices and delineate how current research supports these practices. New and emerging technologies will be examined to evaluate the appropriate role of technology in teaching and learning in the CCSSM environment. 3 credits

ED 606  Preventing School Violence
Teachers will learn a comprehensive and proven theoretical model for explaining, predicting, and preventing violence. They will acquire the skills and methods necessary to design and develop violence prevention strategies and effectively evaluate violence prevention programs. They will also learn how to use a model to compile baseline data for predicting violence in their schools and classrooms. Classroom or online format. 3 credits

ED 607  Teaching With WebQuest
In this course, students will create a web-based lesson that engages students in higher order thinking and cooperative learning. The WebQuest model will be applicable to a wide range of topics, goals, classroom environments, and learners. As students progress, they will learn how to develop attractive webpages, locate useful information on the web, work collaboratively with other teachers at remote sites, and evaluate students’ complex achievements.
Participants will also learn about teaching for understanding, and develop a set of teaching and assessment strategies they can use with or without the Internet. Online format. 3 credits

**ED 608  Integrating Teaching: Whole Brain Learning**
The purpose of this course is to provide teachers with the brain-based tools and understanding necessary to assist students in reaching their full potential for test-taking, increasing overall focus, enhancing reading and math skills, improving general study skill techniques, and building self-confidence in today’s classrooms. Teachers will become familiar with the brain’s developmental stages and how they affect learning and behavior. Focus will be on how the body and brain are integrated, and students will be introduced to the physical components of learning. Teachers will be presented with specific movements that can assist with balancing the vestibular system in the brain and the knowledge of how these movements can be easily assimilated into the lessons as part of the learning process and the overall school day. Classroom or online format. 3 credits

**ED 609  Educating Special Needs Students**
This course is designed for all educators and related providers who work with students with learning disabilities, attention deficits (with or without hyperactivity), developmental delays, behavior problems, or other distinctive disorders. Participants will also gain understanding of students with dyslexia, autism, and multiple disabilities. Federal laws will be explored: IDEA, No Child Left Behind (NCLB), and Section 504 of the Rehabilitation Act of 1973, along with many required applications to the classroom. Participants will develop a clinical eye toward all students (with or without an IEP) and will be able to apply classroom accommodations, developmental teaching techniques, and designed modifications. Each course participant will organize and complete a case study based on one selected student. We will review symptoms, describe individual deficits, and customize an educational plan that will accommodate that student’s weakness. That plan will be put into effect and monitored as per course assignment. Internet websites will be reviewed and discussed to facilitate current research. Classroom or online format. 3 credits

**ED 610  Common Core State Standards**
Common Core State Standards - what are they, what do they cover, how are they organized, how do you implement them? This course will explore the Common Core State Standards. It will provide teachers with an understanding of the CCSS (Common Core State Standards), but more importantly it will give them the strategies and tools necessary to create an educational framework to meet the needs of students, to help them achieve success, and be fully prepared for college and the workforce. 3 credits

**ED 611  Reaching Gay/Trans Students**
This course is imperative for all who work in the school setting as it will enable any counselor or educator to be a reliable source for those youth who feel marginalized due to their sexual orientation or gender identity/expression. Additionally there are children who have gay parents who need to feel safe from the attitudes that prevail in many communities. This course will provide school personnel with resources and enlightenment which will prepare them to meet the needs of their students. Many supplemental sources and websites are included which will enrich the knowledge of all who take this class. 3 credits

**ED 614  Reflective Teaching: Preparing for the National Board and Beyond**
This is a course designed to prepare teachers to achieve National Board Certification by introducing teachers to the standards and core propositions of the National Board for Professional Teaching Standards. Course participants are asked to develop reflective practices by writing about their classrooms, their lessons, and their involvement in the community and profession. Participants will gain knowledge of the national board process as they read and reflect on standards and elements of the national board portfolio. Classroom or online format. 3 credits

**ED 617  Study Strategies for School Success**
This course is designed to teach teachers research-based learning strategies. Participants will gain understanding of widely tested educational theories regarding the relationship between teaching efficient strategies and its impact upon student learning and achievement. The importance of this course is underscored by the results of extensive research done over the past 30 years, changing the art of teaching into the science of teaching (Marzano 2001). The results of research empirically document that students who effectively utilize learning strategies in the classroom are better able to learn and retain information. As students develop learning efficiency, they will also develop a better attitude toward school and a greater belief in their ability to succeed. Though teachers must teach the academic information required by the school curriculum, they are also acutely aware of a need to teach strategies for long-term learning. Online format. 3 credits

**ED 618  Character Education in the Classroom**
Character Education in the Classroom examines the role of educators in developing moral and ethical behavior in students by assisting teachers in defining and identifying character traits that would be important in their school. Character education has become a very popular theme in education since the 1990s because of the increase of violence in schools, discipline concerns, and a national call to action for character education. Educators will explore different theories of moral development and identify skills that can be integrated into the classroom. Practical application of the concepts shared is an important part of this course. Teachers will prepare lessons/vignettes that they will use in their classrooms. They will analyze and critique these lessons to see the value of promoting character development in students. It is the intent of the author that this course stretches beyond the classroom and that character education be developed into not only a school wide program but involve the community as well. Exploring avenues to involve the entire school, parents, and the community are addressed in this course. Classroom or online format. 3 credits
ED 619   Preventing Gang Activity in Schools
This course begins with an orientation of three classes of theories explaining gang formation: strain, control, and sub-culture. Strain theory suggests that the difference between economic opportunity and individual aspirations is the root cause of gang formation. Control theory consists of two basic forms: individual or personal control and social control. Control theory suggests students engage in gang activity because they have weak social bonds with family, school, neighborhood, or other social structures. Sub-cultural theory supports the idea that gang involvement is simply an extension of the lower-class culture. Strain, control, and sub-culture are joined by many explanations of what might be labeled gang formation theories. Most researchers do not recognize one overriding theoretical explanation of gang formation. In this course we bring together several theories along with several longitudinal studies to compose a strategy educators may use to prevent gang formation, curb gang activity in the school, and to confront gang expansion. The strategy includes three techniques: preventing prior entry, co-opting gang activity, and competing with gang activity. Classroom or online format. 3 credits

ED 620   Bully Prevention in Schools
The aim of this course is to create a classroom climate in which all students feel safe. One child in four is bullied at school. One in five admit bullying. Recently, a government report on school shootings showed that the only common trait among student shooters was that they all have a long history of being bullied. In schools where fear and anxiety are the norm, students can’t learn and achieve. In this course, teachers review the research on the causes and effects of bullying, as well as study best practices. In addition, they learn strategies for meeting the underlying needs of bullies. Classroom or online format. 3 credits

ED 621   Teachers and Parents: Winning and Keeping Parent Support
This course presents proven and innovative methods to gain and keep parent support. This model emphasizes interventions through a cooperative team approach between teachers and parents. Based on research endorsed by the National PTA, the skills and procedures taught in this course and practiced in applied assignments will enable educators to maintain supportive involvement from parents of even the most challenging students. Classroom or online format. 3 credits

ED 622   Teaching and Learning with Groups
This course presents proven methods for teaching students through group projects. Based on research and years of practice, this model helps teachers avoid the pitfalls and capitalize on the many benefits of cooperative learning. The skills and procedures taught in this course and practiced in applied assignments will enable educators to motivate students to develop important life skills for working in teams while learning subject matter more completely. Classroom or online format. 3 credits

ED 623   The Personality Intelligent Teacher
The purpose of the course is for teachers to learn and apply a model for developing personal intelligence that includes research, theory, and practical skills for developing the five dynamics of personality. Based on the research and theories of Howard Gardner and William James, PIT teaches teachers how to become master coaches in the classroom and bring out the best in themselves and their students. Classroom or online format. 3 credits

ED 624   Stress Management for Teachers and Students
The purpose of this course is for teachers to enhance student performance by minimizing the negative effects of stress in the classroom. Teachers learn an operational definition of stress, study the major research findings on the nature of stress, learn the major theories explaining its impact upon teaching and learning, and conduct a thorough assessment of stress factors operating in their classrooms. This knowledge is then integrated, by applying strategies to identify and address specific sources of stress that undermine effective teaching and learning in their classrooms. In addition, teachers identify specific students experiencing debilitating stress and take actions to address these problems and help the student restore personal equilibrium and enhance their performance. Classroom or online format. 3 credits

ED 625   Action Research in the Classroom
The purpose of this course is to provide teachers with the knowledge and skills to integrate action research as a teaching and problem solving methodology, as well as teaching students to use action research to achieve lesson objectives. Classroom or online format. 3 credits

ED 626   Effective Classroom Management
This course is designed to assist teachers and administrators in public and private schools in developing skills to help them effectively manage the behavior problems that today’s students bring to school. The ultimate aim or reason for this course is to prepare teachers to be effective managers of their classrooms so that student learning is maximized. The management principles contained in the book, The First Days of School by Harry and Rosemary Wong, will form the foundation for the course. Classroom or online format. 3 credits

ED 627   Teaching Gifted and Talented Students
Teaching gifted students provides classroom teachers the strategies and techniques they can use to meet the academic and emotional needs of the gifted and talented. Course content includes practical approaches for challenging the most able students in the regular classroom, pull-out, or full-time classes for gifted students. A course emphasis is upon ways of knowing (epistemology) unique to gifted students, and an appropriate pedagogy to specifically enhance each student’s giftedness. Classroom or online format. 3 credits

ED 628   Teaching Creativity, Creatively
This course provides teachers with the knowledge and skills to nurture creativity in their students. Creativity is one of the most essential of human talents. Our daily lives are enriched by the products of creative individuals. It can be argued that creativity
is the driving engine of civilized societies. Among students in our classrooms, creativity varies over a wide range—visual, mechanical, verbal, artistic, linguistic, athletic, mathematical, and analytical. Each student is a living composite of innate characteristics associated with creative behavior. These innate characteristics can be enhanced by teachers who are aware and knowledgeable of proven and effective ways to teach creative behavior. Classroom or online format. 3 credits

ED 631   Integrating Technology into the Classroom
Technology is reshaping the future of education. Interactive technologies enable educators and administrators to enhance the quality of learning for their students. Integrating Technology into the Classroom (ITC) is a graduate-level computer course specifically designed for educators and administrators with activities appropriate for students at both the introductory and intermediate level. The course curriculum earned the International Society for Technology in Education (ISTE) Seal of Alignment for National Educational Technology Standards for Teachers (NETS–T). The course begins with an overview of how the integration of technology facilitates student learning. As students progress, their knowledge about evaluating online resources and designing learning activities with new technologies increases. This hands-on experience allows students to customize assignments for their specific grade level and curriculum specialty. The course also begins with participant learning strategies for technology integration, assessment in technology integrated lessons, and teaching cyber ethics. Classroom or online format. 3 credits

ED 632   Dropout Prevention: A Strategic Approach
The dropout rate for public schools is often used as an indicator of the success or failure of public educators. One circumstance that reinforces this source of criticism is that no indisputable theory or explanation is accessible to understand the problem of school dropouts. Discrete facts and information are useful, but an explanation that relates what we know into a workable approach to diminish the dropout rates is needed, and meeting that need is the purpose of this course. The explanation systematically presented during the 10 modules is based on both current and historical research. Participants will develop and apply an explanation of school dropouts to both problems and program construction. Participants will exit this course with a “back home” strategy to implement a dropout prevention approach based on the explanation. Classroom or online format. 3 credits

ED 633   New Faces Meeting the Challenge
Teachers across America are looking into the eyes of new faces. Demographic shifts are both informing and alarming, and assure that classroom teachers will be seeing “new” faces in ever growing numbers. This will be true as long as this great country offers hope and opportunity to the world; they will keep coming, both legally and illegally. The children of immigrants are bringing to our classrooms new and formidable challenges, and now is the time to prepare to meet those challenges. This course has been designed to provide skills and knowledge that will empower the classroom teacher to meet the needs of “new faces,” and at the same time improve the educational opportunity for all students. Classroom or online format. 3 credits

ED 634   Accelerated Learning: Using Brain Research in the classroom
The purpose of this course is to make the advances in the field of brain research more accessible to educators. The techniques and strategies of accelerated learning will accelerate learning across the curriculum and improve student curiosity and satisfaction with the learning process. Beginning with the neurons, the building blocks of the brain, the focus will be on identifying, assessing, and connecting connections between those neurons (neuronal networks). The Accelerated Learning course will help educators assess the overall classroom environment and possible roadblocks to the cortex from subtle or overt ‘fight or flight’ responses. The course offers insight into the relationship of sensory input and memory including emphasis on the core information the brain receives from the eyes, ears, and touch. This course also examines the unique relationship between the body and the brain, and between students and teachers. This course is based on current brain research and emphasizes and creates opportunities for a balanced approach between traditional teaching approaches and new approaches. Classroom or online format. 3 credits

ED 635   Innovative Testing Tools
In the age of accountability, assessment is the key element in any restructuring of the educational system and is the primary focus for both individual school achievement and improvement. This course will deal directly with the issue of integrating instruction with assessment or what has been popularly referred to as teaching to the test. The paradigm featuring assessment of learning will be flipped over to reveal assessment for learning. The focus will be on creating the skills necessary to make classroom exercises and activities so compelling and powerful that the two separate fields of instruction and assessment will merge into a single domain. Teachers will begin instructional planning, with the end (assessment) in mind, by identifying the desired results and competency targets as related to their specific subject and grade level. Teachers will address how evidence is gathered through a variety of formal and informal assessments to effectively gauge student performance. Related issues such as classroom management, motivation, and test anxiety will be addressed. Alternative methods of assessment will be introduced and incorporated into practical and classroom-friendly activities. Classroom or online format. 3 credits

ED 636   Mastering Grantsmanship: Gain an Edge in the Competition For Grants Funds
Grantsmanship requires the successful mastery of various techniques, processes, and procedures. The purpose of this course is to assure teachers and school administrators not only know the techniques, processes, and procedures, but also have the knowledge and skill to gain an edge in the competition for grant funds. Education is a dynamic enterprise. New ideas, solutions to new and old problems continually emerge, and very often, unexpected problems and needs occur without warning. Too often the resources to address
new concerns, issues, and problems are not available. When this happens, advice, most likely unsolicited, is “Why don’t you get a grant?” Unintended, but certainly implied, is that all you have to do is complete an application and wait for the money. It is possible of course, but not likely. There is intense competition for grant money. This course will provide an edge in the competition for “limited” funds available from potential grantors. This course is designed for those who have little or no experience in grantsmanship. However, anyone working as a grants person in the field of education will discover many useful ideas presented during the course. Online format. 3 credits

ED 637   The Collaborative Classroom
The purpose of this course is to provide educators with a strong foundation for planning, implementing, and maintaining successful co-teaching programs. Since most of today’s classrooms include a diverse student population that has different learning styles, cultural differences, and educational needs, it has become important for teachers and administrators to find effective methods to help every student achieve greater success. Starting first with developing a clear definition of co-teaching, then examining critical components of co-teaching models, and finally evaluating current co-teaching programs, the focus of this course will be to explore both the conceptual and operational aspects of this approach to delivering instruction. This course examines the most commonly accepted co-teaching practices between general and special education teachers on the elementary, middle, and high school levels. It is based on current research and experiences of prominent individuals in the field of education. Classroom or online format. 3 credits

ED 639   Differentiated Instruction in the Classroom
This course is designed to provide educators with the resources needed to create a learning environment that will maximize the potential for student success by using the strategies associated with differentiated instruction. In this course the educator will gain knowledge of how to manage instructional time in a way that meets standards and also provides motivating, challenging, and meaningful experiences for school age students by differentiating instruction. Participants will be presented with a variety of strategies for differentiating instruction by establishing a foundation in the principles of differentiated instruction. They will understand what defines differentiation and recognize their role and responsibilities in a differentiated learning community. Practical applications of how to differentiate with the content, process, and product will be explored while planning differentiated lessons. They will establish quality criteria and assessments to clarify and evaluate assignments. At the end of this course the educator will possess a repertoire of strategies for differentiating instruction that will allow them to respond to the diverse needs of the students in their classroom. Classroom or online format. 3 credits

ED 641   Emergent Literacy Development
Current research on recommended “best practices” in emergent and early literacy are explored. Emphasis is placed on classroom environment, organization, effective practices, and learning resources designed to maximize literacy achievement. Practical hands-on projects will provide guided practice in using new methods and materials. Technology resources for integrating literacy instruction and assessment will also be introduced. Online format. 3 credits

ED 651   Self-Esteem for Educators
Self-Esteem for Educators is the first program ever designed to assist teachers in integrating self-esteem principles and methods into curriculum content areas. This course was written in collaboration with members of the National Council for Self-Esteem, by Ken Miller, author of the highly successful Teacher Effectiveness Training curriculum. The purpose of Self-esteem for Educators is for teachers to increase content area learning of students by first learning and applying a model for enhancing self-esteem and then integrating that model into the curriculum they are currently teaching. In Self-Esteem for Educators, teachers learn specific techniques and skills for assessing and improving their own self-concepts, then collaboratively develop strategies and lesson plans to incorporate these concepts into their daily activities with students. Online format. 3 credits

ED 655   K–12 Application Software
This course highlights application software used in the K–12 curriculum. An emphasis is placed on student use and teacher productivity. Teachers will work with integrated application programs and their components, graphics programs, and desktop publishing software to integrate the applications into various curriculum areas. Online format. 3 credits

ED 658   Technology and the K–12 Curriculum
This course is designed to provide students with strategies for integrating instructional resources into all areas of the PreK–12 curriculum in alignment with state and national standards. Online format. 3 credits

ED 660   Teaching Reading Strategies
This course is designed to assist teachers [elementary through high school] in the development of specific skills/methods needed to effectively teach strategic reading that improves comprehension across the curriculum. These methods will be used as tools for thinking and learning in all content areas. The course will include strategies for comprehending nonfiction, informational, and narrative text, vocabulary development, reciprocal teaching, reflective strategies, writing strategies that construct and extend meaning, assessments, and strategic lesson planning. A framework for teaching reading will be established by examining current research and effective practices that will allow the teacher to develop content literacy for them and their students. Reading is a complex process and teachers will gain an understanding of the meta-cognitive skills and strategic reading strategies needed to effectively utilize specific skills to facilitate student growth in the reading process. Classroom or online format. 3 credits
ED 661 Adolescent Literacy Strategies: Developing Instructional Practices that Foster Adolescents’ Literacy Development

Literacy skills are essential in order to participate in today's increasingly global society and economy that demand the ability to effectively use literacy in multiple contexts for multiple purposes. Today's adolescents have greater literacy demands placed upon them than ever before as they prepare to enter an adult world that requires their ability to read, write, and speak successfully. Today's teachers face greater challenges than ever before in meeting the increasingly diverse literacy needs of their students in order to prepare them for success in the adult world. This course will prepare educators to assist their adolescent students who struggle with literacy to achieve literacy success by providing strategies and techniques that can be incorporated into the secondary classroom in order to scaffold students’ literacy development. In this course, participants will learn to implement research-based instructional practices that scaffold adolescents’ literacy development in the areas of motivation, engagement, reading expository text, using prior knowledge, vocabulary, comprehension, writing, and studying. Additionally, educators will learn to implement research-based assessment techniques that will allow them to monitor their students’ growth and adjust their instructional practices to foster students’ continued progress. Classroom or online format. 3 credits

ED 662 Multicultural Education: Appreciating Diversity

Today’s classroom teachers routinely face increased racial, ethnic, socioeconomic, and cultural/familial diversity within the educational structure. As a result, there is a growing need for teacher education to prepare teachers with methods of restructuring lessons that are not to be viewed as add-ons to their content area. In Multicultural Education, participants will discover instructional strategies that benefit English as a Second Language (ESL) students and that are consistent with strategies that benefit all students. All teachers teach students of varying cultures and diverse backgrounds, and some teachers specialize in the teaching of students who have English as their second language. It is important for teachers to acquire specialized competencies and skills to effectively teach across the curriculum, i.e., knowledge of how language is structured, how first languages are acquired and developed, and how languages vary. Classroom or online format. 3 credits

ED 663 Peer Mentoring and Coaching: Supporting the Novice and Veteran Teacher

This course is designed to assist all educators in developing and utilizing effective practices to successfully mentor novice teachers. In addition, the course will explore the benefits that experienced teachers can gain by collaborating with colleagues in peer coaching programs. Because teaching is such a complex and demanding profession, it is important for new teachers to be provided with a support system that allows them to transition from theory to practice. Recent legislation in many states calls for mentoring new teachers in order to help them improve and strengthen their skills and practices, and thus, keep them in the profession. Meanwhile, veteran teachers need to remain current with new teaching methods, stay energized in the classroom, and experience periodic professional renewal in order to avoid burnout. Classroom or online format. 3 credits

ED 664 Professional Learning Communities: Educators as Learners and Leaders

This course is designed to assist teachers and administrators in public and private schools to create a clear and compelling vision of how an organization must shift in order to help all students learn. Members of professional learning communities use results-oriented action steps to clarify exactly what each student must learn, monitor each student’s learning on a timely basis, provide systematic interventions, and use collective inquiry/feedback to create a collaborative atmosphere of continual improvement. The self-assessments and reflective exercises contained in the book, Learning by Doing: A Handbook for Professional Learning Communities at Work by Richard DuFour, Rebecca DuFour, Robert Eaker, and Thomas Many, will form the foundation for the course. Classroom or online format. 3 credits

ED 665 Kids in Context: Implications for Our Classrooms

Many have said that “it takes a village” to educate students. Others seem to believe that the total responsibility sits in the hands of the school. In fact, there has been much debate recently about this phrase. What is not open to debate, however, is that in order to effectively educate our children we need to know and understand their village, and the village can vary dramatically from student to student. In order to be effective, educators must study the environments from which their students come. With the diversity in our communities and the significant changes in family dynamics, this can be a real challenge. Kids in Context explores the backgrounds and experiences of the students who sit in our classrooms, thus enabling us, the educators, to design instruction and provide guidance to meet every student’s needs. The course will engage participants in a sociological study of young people. So much of what we know is the result of research conducted with adults—parents, administrators, and teachers. While this research can be enlightening, this course will also explore opportunities to gain insights from students themselves. Online format. 3 credits

ED 666 Strategic Lesson Planning: Research-Based Strategies for Every Lesson

This course is designed to assist teachers in public and private schools in creating more effective lesson plans by aligning their plans with their students’ learning styles. Lesson plans are a teacher’s self-created guide to content presentations that maximize mastery by the student. This course combines meta-analysis with current action research. By combining these two fields of educational research, participants will be able to create lesson plans that are both efficient and effective. Research based lesson plans address both today’s high standards and the differentiated learning styles of the student. The identification and approach to each of the learning styles presented in the book, The Strategic Teacher, by Harvey F. Silver, Richard W. Strong, and Matthew J. Perini, will form the foundation for the course. Classroom or online format. 3 credits
ED 667  Service Learning: Learning through Community Service
This course will provide educators with an understanding of the concept of service learning, the guiding principles of service learning activities, and how to implement, monitor, and evaluate effective service learning projects. Students will learn to design and initiate service learning projects at the K-12 level as well as examine the current and past practices of service learning in educational settings. Participants will discover how service learning became linked to schools and become knowledgeable of the history of service learning in America. Participants will discover the varied and diverse activities providing service learning opportunities for students. Finally, they will learn how to connect service learning activities to their state curriculum objectives and learning standards. Online format. 3 credits

ED 668  Information Literacy: Navigating Information Society
This course is designed to help students become more comprehensive participants in our information society. It will enable students to be able to think more critically about research and research strategies, recognize when and what information is needed, locate and critically evaluate information, and use information effectively. Online format. 3 credits

ED 669  Teachers and the Law
This course is specifically tailored for classroom teachers in the public schools. Traditional school law courses usually approach the content of school law from the perspective of school administrators. The intent of this course is to examine the legal system and the role it plays in the educational setting for the teacher rather than from the viewpoint of the building or district level administrator. Content will focus on the practical application of legal concepts and how they apply to the numerous daily decisions teachers must make. The goal of this course is to provide teachers with up-to-date and relevant information so they will be knowledgeable in school law issues that impact them. Classroom format. 3 credits

ED 674  Combating Problem Behaviors in a Respectful, Responsible, and Cooperative Way
This course provides educators with practical, easy-to-use strategies for preventing and responding to misbehavior in ways that will build respectful, responsible, and cooperative classroom communities. This course is designed to directly deal with the issues surrounding problem behaviors in a classroom. Students will learn to establish a caring, stimulating, and safe community for learning where democratic values are fostered, diversity is embraced, and students assume responsibility for learning. Candidates will explore instructional strategies to enhance teaching and learning for all students. Online format. 3 credits

ED 676  Teaching English to ESOL Learners: English as a Second Language
With the driving force of English as the world’s dominant language, educational systems providing ESOL lessons to young learners have increased worldwide. This course provides an overview of the methodologies, theories, and applications suggested to teach English to young learners, K-12. A primary goal of this course requires that teachers will learn various applications that they can assimilate and emulate upon return to their classrooms. Additionally, teachers will enhance their cultural insights by understanding differences and sociological factors that contribute to a successful teaching and learning experience. Classroom or online format. 3 credits

ED 677  Brain-Based Teaching for the Adolescent Learner: Adolescent Learning Strategies
This course will enable teachers to understand how the brain develops during the teen years and the implications for classroom teaching. The focus will be on addressing adolescent learning, curriculum design, and research-based instruction in the context of brain development. Learners will be expected to identify conditions that support adolescent learning, developmental tendencies, personal development, social development, and intellectual development. Related issues such as classroom management, motivation, and building a learning community will be addressed. Alternative methods of assessing learning will be introduced and incorporated into practical and classroom-friendly activities. Classroom or online format. 3 credits

ED 678  English for Speakers of Other Languages: (ESOL) in Schools
The goal of this course is to take a comprehensive look at research, policy, and evidence-grounded effective practices in U.S. schools for students who are from culturally and linguistically diverse backgrounds. The federal government continues to predict that students with close connections to their bilingual/bicultural origins will be very large in number in the near future and will become the majority in many states over the next two decades. We, as educators, need to provide appropriate, meaningful, and effective instruction for these students who have historically been underserved. This course will integrate theories of bilingualism, second language acquisition, cultural transmission, content integration, assessment of language, minority students, bilingual special education, policy and practice, and community relations. Online format. 3 credits

ED 679  Bringing Excitement to the Science Classroom: Science Specific Strategies
The aim of this course is to infuse within students the thrill and excitement of science. By looking at what teachers already do, and either adding or adjusting what they do, science in the classroom can be enhanced or even revitalized. Science education develops the skills not only for future doctors, scientists, and engineers, but also for future citizens who will have to make decisions on many new science advances that will affect their own lives. Classroom or online format. 3 credits
ED 688  Discipline with Dignity
Discipline with Dignity equips educators with classroom skills, techniques, and structure that enable them to spend less time dealing with behavioral problems and more time on positive interactions with students and on instruction. It presents educators with the framework, tools, and skills for being effective within their own style of classroom management, and furnishes administrators, teachers, parents, and management teams with information and a basis for setting school-wide policy. This approach helps children develop their self-esteem, while giving them the tools and encouragement necessary for making responsible decisions in their lives, both within and outside the classroom. The underlying belief of this discipline approach is that all students’ dignity must be enhanced and preserved, regardless of their behavior. Classroom or online format. 3 credits

ED 689  Resolving Conflicts in Schools and Classrooms
Resolving Conflicts in Schools and Classrooms presents a proven and innovative approach to creating safer, more productive classroom environments based on creating peaceable classrooms. This model emphasizes the classroom and the school as communities of caring and respect where six themes are emphasized: cooperation, communication, emotional expression, responsible decision-making, appreciation for diversity, and conflict resolution. This approach was developed out of classroom teachers’ practice and has been tested in schools across the United States and Canada. Classroom or online format. 3 credits

ED 690  Leadership of Literacy Instruction
This course aims to guide strategically positioned practitioners in transforming literacy practices in the school in which they work. Participants learn and apply principles and procedures for selecting teams of competent professionals to direct a school’s literacy and academic program; for conditioning the school environment so the necessary supports are available for literacy improvement; for establishing a core set of beliefs on which schools build a vision of successful literacy education; for establishing a sustainable professional development system to undergird and support a school’s programs; for building and sustaining a comprehensive, data based literacy instructional and assessment system; and for monitoring, assessing, and advocating for improvements in program delivery.

ED 691  Inclusion
This course is designed to focus on inclusion as it relates to children with disabilities and how to include them into public education. Current issues and trends, parent/professional relationships, legislation and legal rights, and other related topics will be covered. In addition, current resources available on the World Wide Web will be explored and utilized. Classroom or online format. 3 credits

ED 692  Response to Instruction/ Intervention
RTI2 - This course will combine the research-based philosophy of providing effective instruction for all students with proven strategies to facilitate the academic and behavioral success of every student. It will assist all educators in ensuring that both high-achieving and struggling learners in every discipline and at every grade level will become competent and armed for their future educational and professional endeavors. Classroom or online format. 3 credits

ED 693  Teaching Algebra K-8: Integrating Algebraic Thinking into early Mathematics
This course will introduce primary and intermediate teachers to the scaffolding of algebraic thinking. It will explore the reasoning behind the need for this type of instruction. Teachers will be encouraged to look at their current mathematics curriculum through a new lens. They will see that, in many cases, algebraic thinking activities in the early grades can serve as natural extensions of their students’ number sense. Many activities suggested and those developed by the teachers throughout this course will support and enhance current instruction. Classroom or online format. 3 credits

ED 694  Reaching Today’s Students: Building the Community Circle of Caring
Reaching Today’s Students: Building the Community Circle of Caring is an exciting synthesis of the most current theories, strategies, and practices to comprehensively address the needs of children and youth at risk within educational settings. Building upon traditional philosophy and educational commitment with current research and proven strategies, Reaching Today’s Students strives to fulfill the promise that all children and teachers can succeed. In Reaching Today’s Students, teachers begin by exploring the motives and dynamics surrounding misbehavior and the desire to learn. They learn how prevailing assumptions and practices within the four worlds of socialization—school, family, work, and friends—actually reinforce misbehavior while interfering with learning. Before launching into strategies and techniques for dealing with conflict, teachers first learn how to create a community circle of caring—a healthy and positive environment that meets children’s four basic needs: connection, competence, self-control, and contribution. By building this foundation, teachers can reclaim youth and prevent conflict before it occurs. Classroom or online format. 3 credits

ED 695  Teaching and Learning with Documents
Various educational institutions, both private and public, have long encouraged the use of critical and analytical skills. There has been an increasing focus throughout the past years to utilize document-based questions for assessment. Document based questions have always been used on the College Board Examinations and are currently used by various state education agencies. In addition, document and data based questions have been used to differentiate instruction and increase student achievement in all content areas and grade levels. Graduate school comprehensive examinations are now among the educational institutions that use document based questions. This course will deal directly with the use, understanding, and application of documents in the classroom for the purpose of
increasing student understanding, encouraging analytical skills, and maximizing performance. The focus will be on exploring the skills necessary to make classroom exercises, activities, and assessment using documents and the document based questions successful and productive. Teachers will address how to differentiate instruction based on available documents. Teachers will learn how to assess students based on document-based questions both with a scaffold and unguided. 3 credits

ED 696   Web 2.0 in the Classroom: Discovering Ways to Utilize Technology to Facilitate Student Learning
This course is designed to provide teachers with the tools necessary for effectively utilizing multimedia technology in the classroom. Topics covered will include planning and designing effective lessons using multimedia, implementation of the designed lessons, assessment and evaluation of the lessons, professional productivity, and social, ethical, and legal issues concerning the utilization of the technology. This course reflects multimedia technologies such as PowerPoint, graphic software, audio, video, podcasting, and Web 2.0 technologies. Online format. 3 credits

ED 697   Linguistically Diverse Students and Literacy: Language Development for ESL Learners
This course is designed to help in-service teachers develop the skills and practices necessary to be facilitators of language and academic development of K-12 learners whose native tongue is other than English. The prevalence of English as second language users in America’s schools has led to the need for teachers who have a sound knowledge base of research proven theories, techniques, methods, and assessment for teaching literacy to such populations. Online format. 3 credits

ED 699   Combating the Effects of Poverty in the Classroom
The number of children who come from low income families is increasing. The effects of poverty can impact their performance in class. Responsive educators can level the playing field and give all children the skills they need to be successful students. Understanding the relationship between socio-economic status and academic performance helps teachers find ways to support children who are affected by poverty. Classroom or online format. 3 credits
SCHOOL OF
MANAGEMENT

MASTER OF BUSINESS ADMINISTRATION
MASTER OF SCIENCE IN FRAUD AND FORENSICS
MASTER OF BUSINESS ADMINISTRATION

PROGRAM OVERVIEW

The Carlow MBA offers ultimate flexibility by allowing students to take courses online or in-class. It is a unique, interdisciplinary degree that offers the opportunity to examine both the theoretical and practical aspects of business administration. Students may specialize in global business, project management, healthcare management, or in business administration. Several themes permeate the program: first, corporate social responsibility and ethical practices are infused throughout the curriculum; second, the scholar-practitioner model inspires a curriculum that is both practically relevant and academically rigorous; third, engaged scholarship and experiential learning opportunities ensure that the MBA education is timely, enriching, and highly relevant for the business community.

- Consists of 36 credits
- Offered in an accelerated and flexible format (classes meet on campus typically every other week or online)
- Provides a forum for collaborative interaction with dedicated faculty
- Allows students to experience the art and science of quality leadership and management in a creative and supportive environment
- Utilizes experiential learning methods through the use of case studies, simulations, team projects, and client engagements with organizations and companies both regionally and nationally
- Assists students with assimilating a body of knowledge and developing a set of skills to keep them on the cutting edge of their professions
- Embodies the mission of Carlow University
- Optional international experience led by Carlow professors

In consultation with an advisor, students may elect one of four tracks:

- Global Business
- Project Management
- Healthcare Management
- Business Administration
MBA CURRICULUM

CORE COURSES

MBA 722  Strategic Planning  3 credits
MBA 724  Business Analytics  3 credits
MBA 728  Decision Making for Leaders  3 credits
MBA 731  Managing Organizational Change and Innovation  3 credits
MBA 732  Financial Planning and Analysis  3 credits
MBA 734  Project Management  3 credits
MBA 742  Economics  3 credits
MBA 752  Advances in IT and IT Management  3 credits
MBA 754  Marketing Management  3 credits

GLOBAL BUSINESS TRACK (SELECT 3)

MBA 738  Global Business  3 credits
MBA 739  Global Trade and Supply Chain Management  3 credits
MBA 762  Capstone Experience–Global Business  3 credits

PROJECT MANAGEMENT TRACK (SELECT 3)

MBA 735  Project Management Body of Knowledge  3 credits
MBA 736  Current Issues in Project Management  3 credits
MBA 761  Capstone Experience–Project Management  3 credits

HEALTHCARE MANAGEMENT TRACK (SELECT 3)

NU 709  Leadership Styles in Healthcare Organizations  3 credits
NU 711  Healthcare Innovation and Quality  3 credits
NU 727  Fiscal Management  3 credits
NU 737  Healthcare Ethics and Policy  3 credits

BUSINESS ADMINISTRATION TRACK (SELECT 3)

MBA 735  Project Management Body of Knowledge  3 credits
MBA 736  Current Issues in Project Management  3 credits
MBA 738  Global Business  3 credits
MBA 739  Global Trade and Supply Chain Management  3 credits
MBA 744  Strategic Leadership  3 credits
MBA 758  Strategic Pricing  3 credits
MBA 760  Experiential Learning  3 credits
MBA 761  Capstone Experience—Project Management  3 credits
MBA 762  Capstone Experience—Global Business  3 credits
NU 709  Leadership Styles in Healthcare Organizations  3 credits
NU 711  Healthcare Innovation and Quality  3 credits
NU 727  Fiscal Management  3 credits
NU 737  Healthcare Ethics and Policy  3 credits

ELECTIVE INTERNATIONAL EXPERIENCE (FOR NON-MBA STUDENTS)

GRD 738  International Experience  1 credit
MASTER OF BUSINESS ADMINISTRATION (MBA)

COURSE DESCRIPTIONS

CORE COURSES

MBA 722   Strategic Planning
Examines the setting and prioritizing of goals in relationship to the mission, culture, resources, and objectives of the organization in order to gain competitive advantage. Organizational strengths, weaknesses, structure, culture, and past performance will be proactively analyzed. Trends will be identified and alternatives developed for an organizational strategic plan. Tools are introduced to facilitate the process, such as simulations, optimizations, database management, goal setting, and decision-making software. Students will prepare and present a strategic plan for an organization or business in the local community. 3 credits

MBA 724   Business Analytics
Introduces the MBA student to theories and techniques critical to the function of business analytics as defined by The Institute for Operations Research and the Management Sciences (INFORMS). Discussions focus on framing the business problem or question, framing the analytics problem, managing data, selecting the analytics approach, and addressing the business problems/questions based on data analysis results. Students will discuss case studies of Big Data, evidence-based decision making, and work on real or simulated analytics projects using analytical packages and statistical tools. 3 credits

MBA 728   Decision Making for Leaders
Focuses on decision making as a fundamental activity of professionals working in any management discipline. Modern leaders need to deal with a myriad of factors that affect the achievement of their goals. This course addresses the fundamental problems that occur in managerial decision making at both the theoretical and practical level. This method combines simplicity with theoretical rigor and has been successfully applied to make decisions in economic, political, social, and technological environments. 3 credits

MBA 731   Managing Organizational Change and Innovation
Focuses on organizational development and transformation. It reviews leading change issues and strategies being used in a diversity of organizations today and explores emerging opportunities for change and innovation. This course makes use of numerous readings from the leading experts in the field and culminates with students developing executive-level, change, and innovation strategies. 3 credits

MBA 732   Financial Planning and Analysis
Focuses on corporate financial management, planning, and analysis. Topics include: financial statements, financial statement analysis, budgets, stock markets, cost of capital, and present and future values. Students will examine corporate annual reports, participate in a simulated stock market competition, prepare cash budgets, analyze capital investment opportunities, and conduct and present a team research project on a financial topic of their choice. 3 credits

MBA 734   Project Management
Provides a thorough examination of the science and art of project management. This course is the capstone experience for the student. MS Project and Excel are the software programs utilized. This course emphasizes the processes involved in project/matrix management and their important role in the strategic planning process. Students will develop an understanding of the Project Management Institute’s (PMI) body of knowledge, concepts, definitions, and approaches. Students will have the opportunity to apply the skills learned in class to manage a project. This experiential learning approach enables the student to apply the theory of this imperative skill in today’s workplace. 3 credits

MBA 742   Economics
Explores microeconomics and macroeconomics in the United States and globally. This course will take an apolitical approach to analyzing economic principles and theories. The student will study the basic economic problem of demand and supply, looking at the different types of markets and how government influences these markets. The different pricing strategies of markets, profits, and industry performance will be covered as well. The student will also examine macroeconomic outcomes such as inflation, unemployment, and economic growth. 3 credits

MBA 752   Advances in IT and IT Management
Deals with emerging trends in information technology and its management. This course is particularly useful for students managing or working closely with IT initiatives such as ERP, CRM, etc. This course has been designed as a managerial follow-up course for an introductory course in information technology. Students taking this course will have taken an IT introductory course and will be familiar with the IT fundamental concepts and terminology. 3 credits

MBA 754   Marketing Management
Examines the impact of technology on marketing, and the strategic role of marketing in the overall goal of organizational success in a highly competitive and volatile market. The decision making process of managers will be explored as they lead the design and
implementation of a marketing strategy that encompasses product planning, pricing, supply chain management, and promotion strategies. 3 credits

ELECTIVES

MBA 735 Project Management Body of Knowledge
Examines five process groups and nine knowledge areas of the Project Management Body of Knowledge (PMBOK®). The five process groups are: Initiating the project, planning the project, executing the project, monitoring and controlling the project, and closing the project. The nine knowledge areas are: Integration management, project scope management, time management, cost management, quality management, human resource management, communications management, risk management, and procurement management. The purpose of this course is to develop project management expertise through theoretical discussions and hands-on applications. Students will examine specific aspects of project management through simulated projects. This course counts towards the Project Management concentration of the MBA program. 3 credits

MBA 736 Current Issues in Project Management
Examines contemporary issues in project management through critical discussions of case studies and simulations within the frameworks of project management theories. Discussions focus on emerging issues such as governance and operational design across diverse industries, including information systems, healthcare, and construction. The student will apply skills and knowledge acquired throughout the semester as part of a project management simulation. This course counts towards the MBA concentration on Project Management. 3 credits

GRD 738 International Experience
A student taking this one-credit course will participate in an international trip led by one or more Carlow professors as part of a Carlow graduate course. The student must participate in pre-departure workshops about the trip, and post-departure discussions. The student will also complete a reflection paper discussing the implications of the international experience for his or her own discipline. 1 credit

MBA 738 Global Business
Explores selected topics in conducting business in a global setting. The purpose of this course is to introduce students to the fundamental strategies and issues associated with the management of diverse categories of global business. It begins with an overview of forces that determine the globalization of a firm and industry. This analysis leads to further examination of nation-specific, region-specific, industry-specific, and firm-specific factors that are critical to the success of global business. A basic conceptual framework is formulated to conduct business in a particular country or region. Part of the coursework is completed abroad (e.g., in China or Ireland). International travel is required to finish the course with a passing grade. 3 credits

MBA 739 Global Trade and Supply Chain Management
Examines Supply Chain Management and Trade Finance, two primary domains of NASBITE’s Certified Global Business Professional exam. The purpose of this course is to introduce students to financial tools for international trade, and logistic tools for operating a global business. We begin with an overview of the mechanics of successful global businesses, which leads us to further examination of financial and logistic enablers of successful models of global business. To apply these theoretical frameworks, students will examine specific cases of global business in depth and analyze the financial and logistic resources critical for their strategic as well as operational excellence. This course counts towards the Global Business concentration of the MBA program. 3 credits

MBA 744 Strategic Leadership
Examines the essence of strategic leadership. The student will study the rationale, logic, and tools of strategic leadership. The balanced scorecard technique will be emphasized. The student will also develop mission statements, diagnose the external environment of organizations to uncover emerging threats and opportunities, assess an organization’s internal environments, and learn when and how to implement organizational strategies of growth, retrenchment, stabilization, and collaboration. 3 credits

MBA 758 Strategic Pricing
Introduces definitions, concepts, dimensions of the pricing construct, and the role of the pricing function in strategic, innovative, marketing, sales and financial management. Different models of pricing will be examined, with a particular focus on value-based theories such as economic value of equity (EVE). Behavioral and psychological drivers of customer decision making are considered with respect to pricing strategies both within the firm and in the marketplace. Ethical and legal challenges in pricing decisions will also be examined. The student will develop both theoretical and pragmatic competencies in pricing through case discussions and experiential learning. 3 credits

MBA 760 Experiential Learning
Combines experiential learning with academic theory. The experiential learning component is comprised of an internship (part-time or full-time) with a minimum of 280 hours in a professional management setting. Assignments will relate practical internship experiences with current management theories. PREREQUISITES: THE STUDENT MUST HAVE COMPLETED AT LEAST ONE TERM IN THE PROGRAM AND HAVE TAKEN MBA 721 INFORMATION AND COMMUNICATION TECHNOLOGY AND MBA 722 STRATEGIC PLANNING, MUST HAVE A GPA OF AT LEAST 3.0, AND MUST SECURE APPROVAL FROM THE MBA PROGRAM DIRECTOR. 3 credits
MBA 761  Capstone Experience—Project Management
Prepares the MBA student by combining experiential learning with academic theory. The experiential learning component will be obtained through a capstone project consisting of 200 hours in a professional management setting. The student must propose the capstone project with the current employer or an established organization and the project must be approved by the course instructor. The capstone project must consist of at least one of the five main groups of project processes as defined by Project Management Institute (PMI®). The student will perform the capstone project under the instructor’s supervision and will relate the capstone experience to project management theories through assignments and the final paper. 3 credits PREREQUISITES: THE STUDENT MUST HAVE COMPLETED MBA 734 PROJECT MANAGEMENT, MBA 735 PROJECT MANAGEMENT BODY OF KNOWLEDGE, AND MBA 736 CURRENT ISSUES IN PROJECT MANAGEMENT.

MBA 762  Capstone Experience—Global Business
Prepares the MBA student by combining experiential learning with academic theory. The experiential learning component will be obtained through a capstone project consisting of 200 hours in a professional management setting. The student must propose the capstone project with the current employer or an established organization and the project must be approved by the course instructor. The capstone project must consist of at least one of the four knowledge domains as defined by NASBITE®’s Certified Global Business Professional (CGBP®) exam. The student will perform the capstone project under the instructor’s supervision and will relate the capstone experience to project management theories through assignments and the final paper. 3 credits PREREQUISITES: THE STUDENT MUST HAVE COMPLETED MBA 738 GLOBAL BUSINESS, MBA 739 GLOBAL TRADE AND SUPPLY CHAIN MANAGEMENT.

NU electives are listed in the School of Nursing section.
Additional electives may be offered. Students can also select electives from other graduate programs at Carlow University or transfer in graduate electives at the approval of the director of the MBA program.
MASTER OF SCIENCE IN FRAUD AND FORENSICS

PROGRAM OVERVIEW

Carlow University’s Master of Science in Fraud and Forensics responds to the need for advanced training in the field of white-collar crime as a result of global financial crises, increasing white-collar crime, and growing instances of occupational fraud and abuse. Based on input from subject-matter experts, students learn the latest techniques in fraud prevention, detection, investigation, and remediation.

This degree prepares students to begin a new career or seek promotion in the field of fraud and forensics. Carlow’s program positions students to work and excel in the field as anti-fraud experts working for organizations such as:

- Department of Defense (DOD)
- Federal Bureau of Investigation (FBI)
- U.S. Postal Inspection Service (USPIS)
- Health care organizations
- Insurance companies
- Financial institutions
- Accounting firms
- Law enforcement agencies

Highlights of Carlow’s program include:

- Designed by licensed experts from accounting, law enforcement, government, and corporations
- 100 percent online with a virtual residency
- 10 courses; 30 credit hours
- Students take 10 credits per semester
- Completed in one year—August to August—in three semesters
- Each semester is divided into three, five-week sessions
- Case-based and experiential learning
- Access to top anti-fraud resources through Carlow’s partnership with the Association of Certified Fraud Examiners (ACFE)
- Expert, committed instructors complimented by guest lectures from experts in the field
- Cohort model through which students will develop life-long professional relationships
- Emphasizes ethical leadership
- Fulfills eligibility requirements for the Certified Fraud Examiner (CFE) exam
- Meets Pennsylvania’s 150 hour requirement for the Certified Public Accountant (CPA) exam for those with an undergraduate accounting degree

MFF CURRICULUM

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>MFF 710</td>
<td>Fraud and Forensics Community Experience</td>
<td>1 credit</td>
</tr>
<tr>
<td>MFF 711</td>
<td>White Collar Crime</td>
<td>3 credits</td>
</tr>
<tr>
<td>MFF 713</td>
<td>Organizations, Ethics, and Fraud Prevention</td>
<td>3 credits</td>
</tr>
<tr>
<td>MFF 715</td>
<td>Forensic Research and Analysis</td>
<td>3 credits</td>
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<tr>
<td>MFF 721</td>
<td>Legal Elements of Fraud</td>
<td>3 credits</td>
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<tr>
<td>MFF 723</td>
<td>Financial Statement Examination</td>
<td>4 credits</td>
</tr>
<tr>
<td>MFF 725</td>
<td>Audit Procedures for Detecting Fraud</td>
<td>3 credits</td>
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<tr>
<td>MFF 730</td>
<td>Cybercrime</td>
<td>3 credits</td>
</tr>
<tr>
<td>MFF 731</td>
<td>Technology Tools for Fraud Examiners</td>
<td>3 credits</td>
</tr>
<tr>
<td>MFF 733</td>
<td>Comprehensive Fraud Examination</td>
<td>4 credits</td>
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</tbody>
</table>
MFF 710  Fraud and Forensics Community Experience
An orientation to the Graduate School of Carlow University and the Masters in Fraud and Forensics (MFF) Program by providing an overview of the academic program, University office policies and procedures, support services, case-based learning, and an introduction to their online learning community and all technologies used in the delivery of the course. 1 credit

PREREQUISITE: MFF 710.

MFF 711  White Collar Crime
A basic understanding of white collar crime including defining white collar crime, fraud, the fraud triangle, principle types of fraud, causes of white collar crime, theoretical underpinnings of crime causation, and noted theorists in the field. Theories include: classical, routine activities, biological, psychological, social structure, and social process. 3 credits
PREREQUISITE: MFF 710

MFF 713  Organizations, Ethics, and Fraud Prevention
A study of organizational elements (individual, group, organization) affecting fraudulent behaviors, individual and organizational ethical processes, fraud prevention programs and tools, and global differences in fraudulent activities. Students will study theories related to the crimigenic organization and learn how fraud prevention programs and establishing ethical corporate cultures can reduce the likelihood of criminal behaviors. Assignments will challenge students to link material covered with a historic case. Student research will include global comparisons. 3 credits
PREREQUISITE: MFF 710

MFF 715  Forensic Research and Analysis
An understanding of fundamental principles of the scientific method, and its application in the fraud and forensics practice. Topics include theoretical frameworks, hypothesis generation, hypothesis testing, determination of causality, logical fallacies, cognitive biases, validity, and reliability. Students will develop skills in identifying and evaluating scientific evidence for fraud and forensics practices and tools, and formulate evidence-based recommendations for the fraud and forensics community. Students will reflect on pragmatic, social, and moral values of evidence-based practice. 3 credits
PREREQUISITE: MFF 710

MFF 721  Legal Elements of Fraud
A study of criminal and civil law related to fraud and forensics investigations. Students will study theories related to U.S. Constitutional Law and Federal Rules of Civil and Criminal Procedure. The assignments will challenge students to research, analyze, and apply legal theories and law. 3 credits
PREREQUISITE: MFF 710

MFF 723  Financial Statement Examination
An understanding of accounting terminology and theory, accounting processes, financial statements, analysis of financial statements, detecting financial statement fraud, identifying fraudulent financial transactions, and calculating economic damages including lifestyle analysis. 4 credits
PREREQUISITE: MFF 710.

MFF 725  Audit Procedures for Detecting Fraud
A study of criminal and civil law related to fraud and forensics investigations. Students will study theories related to U.S. Constitutional Law and Federal Rules of Civil and Criminal Procedure. The assignments will challenge students to research, analyze, and apply legal theories and law. 3 credits
PREREQUISITE: MFF 710.

MFF 730  Cybercrime
A study of theoretical and hands-on examination of the complexities of cybercrime and the difficulty of investigating and prosecuting cybercrime cases. Students will categorize cybercriminals and perform hands-on cybercrime exercises to better understand cybercriminals and their techniques. Students will also evaluate methods to protect organizational and personal data from cybercrime. Finally, students will develop an understanding of the national U.S. and international law regulating cyber activity. 3 credits
PREREQUISITE: MFF 710.

MFF 733  Technology Tools for Fraud Examiners
An investigation into the technology tools used in fraud examination and financial forensics as well as the role of technology in committing fraud and white collar crime. The course includes the examination of computer-aided forensic accounting investigation techniques, various data mining/data extraction software, and case management software. Finally, this course explores the role of technology in committing white collar crimes and the difficulty of investigating and prosecuting these types of cases. 3 credits
PREREQUISITE: MFF 710.

MFF 731  Comprehensive Fraud Investigation
A capstone course that includes the steps to be performed in a fraud investigation. Topics include: internal vs. external investigations; sources of information used in a forensic investigation; interview and interrogation techniques; forms of anonymous communications; defining evidence, how to gather, preserve, store and use evidentiary materials; when to refer a matter to a prosecutor; proving intent; the use of indirect methods of income reconstruction; and report writing. Students solve a case study by performing a comprehensive fraud investigation that incorporates skills they have learned throughout the MFF program. 4 credits
PREREQUISITE: MFF 710.
SCHOOL OF NURSING

DOCTOR OF NURSING PRACTICE (DNP)
MASTER OF SCIENCE IN NURSING

MSN: NURSE PRACTITIONER (FAMILY/INDIVIDUAL ACROSS LIFESPAN)
MSN: NURSING CONCENTRATION IN EDUCATION AND LEADERSHIP (NCEL)
DUAL DEGREE: MSN AND MBA
POST-MASTER CERTIFICATE: NURSE PRACTITIONER (FAMILY/INDIVIDUAL ACROSS LIFESPAN)
SCHOOL OF NURSING

VISION STATEMENT

Carlow University School of Nursing educates practitioners of tomorrow and encourages a passion for discovery, innovative practice, and application in an evolving health care arena.

MISSION STATEMENT

The mission of the Carlow University School of Nursing is to educate novice to advanced practice to doctoral-prepared nurses to meaningfully impact the quality of health care as clinicians, educators, leaders, and researchers. A high-tech, learner-centered curriculum is founded on evidence-based practice which fosters teamwork and is founded on the core values embedded in sacredness of creation, service to humanity, integrity, and social justice. A scholar practitioner model is nurtured to instill a passion for excellence and lifelong learning.

GRADUATE PROGRAMS

Concentrations within the MSN major:

- RN to BSN Fast Track
- Nurse Practitioner (Family/Individual Across Lifespan)
- Nursing Concentration in Education and Leadership (NCEL)
- Dual degree: MSN and MBA
- Post-Master Certificate: Nurse Practitioner (Family/Individual Across Lifespan)

RN TO BSN FAST TRACK OPTION

Please see the Carlow University Undergraduate Course Catalog for Fast-Track requirements.
MASTER OF SCIENCE IN NURSING PROGRAMS

PROGRAM OVERVIEW

The Graduate Nursing Program at Carlow prepares the student for generalized and specialized advanced practice roles in a variety of settings. One area of concentration in the program is the use of advanced practice knowledge and skills in family nursing in settings that may include local, regional, national, and international health care systems. A second area of concentration is the use of advanced practice leadership and education knowledge and skills in diverse health care and nursing education systems. The MSN program serves as the basis for doctoral studies and lifelong learning. Graduates will assume leadership positions in nursing and will contribute to the discipline of nursing through their evidence-based practice efforts.

PROGRAM OBJECTIVES

• Incorporate primary, secondary, and tertiary levels of prevention efforts in the culturally competent care of individuals, families, and communities.

• Demonstrate leadership and interdisciplinary skills in advocating for individuals, families, and communities to influence health care policy.

• Collaborate as a member of an interdisciplinary team with organizations, populations, and professional communities.

• Evaluate and modify approaches to health care delivery utilizing principles of continuous quality improvement.

• Assimilate ethical, legal, and practice standards from professional organizations into the practice setting to enable preparation for certification in a variety of advanced roles.

• Synthesize nursing, medical, and other current and relevant knowledge to engage in evidence-based practice.

• Recommend practice changes based on integration of the evidence with clinical expertise, patient safety and preferences, and available health care resources.

• Demonstrate leadership abilities, including writing and presentation skills in practice and actively assist others in professional growth.

• Analyze health care delivery systems in order to design, implement, and coordinate fiscally responsible care.

• Employ technology and information systems in the transformation of health care delivery.

• Develop a foundation for lifelong learning and doctoral studies.

MSN: NURSE PRACTITIONER (FAMILY/INDIVIDUAL ACROSS LIFESPAN)

Nurse practitioner graduates are prepared to be certified as family/individual across lifespan nurse practitioners.

The total number of credits is 50. Clinical hours in the program total 600 and take place in a wide variety of urban and rural health care agencies. Graduates are employed in a wide variety of health care settings such as home health agencies, physician’s offices, health maintenance organizations, family health centers, and clinics in both urban and rural medically underserved communities. (Please see the Carlow University Undergraduate Course Catalog for the RN–BSN Fast Track requirements).

Requirements:

NU 703, NU 705, NU 712, NU 720, NU 725, NU 737, NU 741, NU 742, NU 744, NU 745, NU 750, NU 751, NU 752, NU 753, NU 754, NU 792, NU 7451, NU 7501, NU 7502, NU 7511, NU 7521, NU 7531, NU 7541, and NU 7921 or NU 7924

Prerequisite: An approved undergraduate statistics course within the last six years.
**MSN: NURSING CONCENTRATION IN EDUCATION AND LEADERSHIP (NCEL)**

This 33-credit program can be completed in one year by the student with a BSN. Eight-week Carlow Accelerated Program (CAP) courses are integrated with online support and full semester courses to prepare the graduate for a role in leadership or nursing education roles in a variety of settings.

**Requirements:**
NU 703, NU 705, NU 709, NU 711, NU 712, NU 725, NU 727, NU 729, NU 733, NU 736, NU 737, NU 739

**Prerequisite:** An approved undergraduate statistics course within the last six years.

**DUAL DEGREE: MSN AND MBA**

The dual degree program is a 51-credit program, which can be completed in two years. In addition to earning an MSN with a concentration in education and leadership, the student will also earn a Master of Business Administration (MBA) degree by completing an additional 18 credits in the MBA program. It is a unique interdisciplinary degree, which offers the opportunity to examine both the theoretical and practical aspects of business administration. Students will experience learning in a small classroom environment, where theories are applied to case studies, simulations, and team projects. Students will graduate with a managerial toolkit they can apply in their professional work. Graduates will assume leadership positions in nursing and will contribute to the discipline of nursing through evidence-based practice.

**Requirements:**
NU 703, NU 705, NU 709, NU 711, NU 712, NU 725, NU 727, NU 729, NU 733, NU 736, NU 737, NU 739, MBA 722, MBA 728, MBA 734, MBA 742, MBA 752, MBA 754

**Prerequisite:** An approved undergraduate statistics course

**POST-MASTER CERTIFICATE: NURSE PRACTITIONER (FAMILY/INDIVIDUAL ACROSS LIFESPAN)**

**Program Overview**
Graduates can be certified as nurse practitioners in family/individual across lifespan. The total number of credits is 38. Clinical hours total 600 and take place in a wide variety of urban and rural health care agencies. Certificate graduates can be employed in a wide variety of health care settings such as home health agencies, physician’s offices, health maintenance organizations, family health centers, and clinics in both urban and rural medically underserved communities.

**Requirements:**
NU 720, NU 741, NU 742, NU 744, NU 745, NU 750, NU 751, NU 752, NU 753, NU 754, NU 792, NU 7451, NU 7501, NU 7502, NU 7511, NU 7521, NU 7531, NU 7541, and NU 7921 or NU 7924

**Prerequisite:** Successful completion of core MSN courses.
NU 703  Evidence-based Nursing Practice
This course provides an introduction to the nature and purpose of theoretical thinking and critical thinking in nursing. Selected nursing theories are discussed, especially in terms of providing a framework for nursing research. The course reviews the important role of theory in nursing practice, education, administration, and research. The development of research questions, evaluation of research methodologies and designs, and search of the evidence-based literature to investigate clinical practice and other nursing issues are emphasized. Content includes evidence-based clinical decision making and methods for disseminating findings. 3 credits
PRE- OR CO-REQUISITE: GRADUATE STATISTICS.

NU 705  Nursing Leadership
This course focuses on theoretical foundations and conceptual principles of nursing leadership and the skills necessary to practice leadership competently in health care environments. The course is designed to enhance leadership self-awareness and to encourage students to fashion personal perspectives on how to lead professionally. Analyzing trends and issues in the current health care system that have implication for exercising leadership will help students determine the way they can make a difference. 3 credits

NU 709  Leadership Styles in Health Care Organizations
This course includes a focus on understanding universal principles of leadership and management that form the basis of the study of change in health care organizations. Building on knowledge of these principles, the class will examine change processes in contemporary health care organizations as well as the evolving roles of management and transformational leadership. Students will develop skills to lead change, encourage resilience, and manage transitions. 3 credits

NU 711  Health Care Innovation and Quality
This course focuses on current initiatives and innovations in health promotion and disease prevention, patient safety, and quality environment. In conjunction with a review of evidence-based guidelines, benchmarks, and regulatory and professional standards, content describes relevant methodology, tools, measurement systems, data collection, and medical informatics usage in quality improvement. Strategies for creating a culture of quality and safety are examined utilizing models of evaluation and process improvement. Students will apply principles of quality and regulatory management with an emphasis on defining, measuring, and evaluating outcomes within organizations and systems to become effective leaders and change agents. 3 credits

NU 712  Professional Collaboration and Communications
This course provides students with the information and skills to build management effectiveness, focusing on the areas of professional collaboration and communications. Strategies to assess and improve professional communications are introduced. Key concepts in health services administration, including motivation and individual behavior, interpersonal and group behavior, job satisfaction, work stress and culture, and influences of micro-, meso-, and macro-organizational behaviors are explored. Students will learn how to develop and use performance management to evaluate individual and team outcomes and link employee behaviors to organizational goals. 2 credits

NU 720  Health Risks in Communities
This graduate-level course deals with health risks in communities. High-risk populations, aggregates, and communities comprise the focus for investigation. Risk appraisal methods and evidence-based strategies to identify and prevent health risks in individuals and communities are examined. Trends and current issues related to health risks are explored. 3 credits

NU 725  Statistical Applications
This course builds on basic concepts of descriptive and inferential statistics and provides an overview of commonly utilized statistical methodologies. Students will explore the relationship of statistical methods to research questions and evaluate the results of research reported in the current nursing and allied literature. 1 credit
PREREQUISITE: UNDERGRADUATE STATISTICS COURSE

NU 727  Fiscal Management
This course provides an introduction to the principles of fiscal management in the health care environment, covering financial and managerial accounting, cost analysis, budgeting, planning, and control. The object of this course is to prepare nursing management to understand the financial management of the organizations for which they work. 3 credits

NU 729  Leadership in Adult Education
In this course, students will examine the content and process of their experiences and styles of learning as individuals and in the group setting. Theories of adult learning and strategies to facilitate them in a variety of contexts are explored. The who, what, when, where, and why of the change process to motivate learning and the connection to leadership is discussed. Emphasis is placed on non-traditional methods and gender issues that influence the process of learning and instructional design. Students take an active role in applying the tools learned in this course to their professional practice. This course will be relevant to those students who would like to be nurse educators in settings such as the hospital, community, and higher educational institutions. 3 credits
NU 733  Nursing Leadership Internship
This required internship is based on experiential learning models. It allows the student to synthesize the learning acquired in previous nursing leadership courses. The course requires a 150-hour internship with a preceptor in an area of nursing jointly chosen by the student and the teacher. This experience positions the student to assume a leadership role in health care. Four seminars focus on current issues in nursing leadership. **3 credits**  
**PREREQUISITES OR CO-REQUISITES:** NU 703, NU 705, NU 709, NU 711, NU 712, NU 727, NU 729, NU 736, NU 737, NU 739.

NU 736  Key Concepts in Pathophysiology, Pharmacology, and Physical Assessment for Nurse Educators
The focus of this graduate course is to provide an exploration and synthesis of key concepts in human pathophysiology, physical assessment, and pharmacotherapy, with consideration of varied populations, health-promotion practices, and evidenced-based practice. Students synthesize knowledge and practice from cognitive, affective and psychomotor domains of learning in order to facilitate learning of those key concepts by nursing students and professional nurses. **3 credits**

NU 737  Leadership in Health Care Ethics and Policy
The focus of this course will be the confluence of ethics and policy in health care in general, with specific application to nursing. General principles of ethics and those principles most often applied in health care will be considered. This course will include an overview of health care policymaking in the United States as well as the role of the ‘leader as advocate’ in ethics and policy. Case studies will be utilized to debate and apply the role of advocate for ethical decisions and for policies resulting from these decisions. **3 credits**

NU 739  Leadership in Evaluation and Measurement
In this course, students have the opportunity to explore ways of leading in conceptualizing, designing, and implementing innovative evaluation practices. We will explore suitable performance assessment practices in educational and organizational settings (i.e., instructor-student; practitioner-client; program providers-stakeholders). In addition to validity, reliability, and applicability of evaluation strategies and tools, students will be encouraged to focus on an array of groundbreaking methods (i.e., collaborative evaluation, action research, appreciative inquiry, etc.) that can broaden assessment practices in their chosen fields. **3 credits**  
**PREREQUISITES:** NU 729.

NU 741  Human Pathophysiology
This course is an advanced level course in pathophysiological functioning in human organisms. The focus will be on the central concepts of pathophysiology at the cellular, tissue, and program levels. Elements of related supportive and therapeutic management across the lifespan will also be discussed. **4 credits**

NU 742  Advanced Practice Nursing Pharmacology
This course will study the interaction of chemicals with living systems across the lifespan. It explores decision making processes that identify concepts and principles that illuminate the importance, meaning, and rationale for using one drug over another. Builds on knowledge of drugs, pathophysiology, and disease states across the lifespan. **4 credits**  
**PREREQUISITE:** NU 741.

NU 744  Community and Family Health Promotion
A course designed to provide information about specific community resources for families, particularly those individuals in medically underserved areas. Resources at the local, state, and federal level will be explored. Developmental, psychodynamic, social-political, and cultural theories and concepts are synthesized and applied to analysis of health behaviors of families in community settings across the life cycle. **3 credits**

NU 745  Advanced Physical Assessment and Diagnostics
Theory and techniques in the measurement of human health, development, and level of functioning will be presented. Clinical practice in obtaining health histories, conducting physical examinations, making physical measurements, and testing functioning in individuals across the lifespan will be included. Common diagnostic tests will be used to identify pathologic variations and to initiate intervention(s). Clinical experiences will take place in clinics located in rural and medically underserved areas. **3.5 credits**  
**PREREQUISITES:** NU 742; **CO-REQUISITE:** NU 7451.

NU 7451  Advanced Physical Assessment and Diagnostics Clinical Practicum
The student will apply techniques in the measurement of human health, development, and level of functioning in the clinical setting. The student will gain clinical practice in obtaining health histories, conducting physical examinations, making physical measurements, and testing functioning in individuals across the lifespan. **Credits: 0.5 (38 hours)**  
**CO-REQUISITE:** NU 745.

NU 750  Advanced Practice Nursing in Primary Health Care
The focus of this course is the management of health maintenance and the planning and management of both nursing and medical care by the advanced practice nurse. Particular emphasis will be placed on high-risk groups and individuals living in medically underserved populations. **3 credits**  
**PREREQUISITES:** NU 745, NU 7451.

NU 751  Advanced Practice Nursing in Pediatrics
The focus of this course is the management of acute and chronic health problems in the pediatric population. It will incorporate planning and management of both nursing and medical care by the advanced practice nurse. Particular emphasis will be placed on high-risk groups and individuals living in medically underserved populations. **2 credits**  
**PREREQUISITES:** NU 750, NU 7501, NU 7502.
NU 752  Advanced Practice Nursing in Women's Health
The focus of this course is the management of acute and chronic health problems in women's and reproductive health. It will incorporate planning and management of both nursing and medical care by the advanced practice nurse. Particular emphasis will be placed on high-risk groups and individuals living in medically underserved populations. 2 credits
PREREQUISITES: NU 750, NU 7501, NU 7502.

NU 753  Advanced Practice Nursing in Geriatrics
The focus of this course is the management of acute and chronic health problems in the geriatric population. It will incorporate planning and management of both nursing and medical care by the advanced practice nurse. Particular emphasis will be placed on the high-risk groups and individuals living in medically underserved populations. 2 credits
PREREQUISITES: NU 750, NU 7501, NU 7502.

NU 754  Advanced Practice Nursing in Urgent Care
The focus of this course is on the management of urgent health problems in the outpatient setting. Emphasis is on the diagnosis and management of both nursing and medical care by the advanced practice nurse. Particular emphasis will be placed on high-risk groups and individuals living in medically underserved populations. 2 credits
PREREQUISITES: NU 750, NU 7501, NU 7502.

NU 7501, 7502, 7511, 7521, 7531, and 7541
Series of Six Clinical Practice Courses
The focus of each of these one-credit courses is the management of acute and chronic health problems and the planning and management of both nursing and medical care by the advanced practice nurse. Particular emphasis will be placed on high-risk groups and individuals living in medically underserved populations. Students will complete two clinical credits in primary care (NU 7501, NU 7502) prior to completing one clinical credit in pediatrics (NU 7511), women’s health (NU 7521), geriatrics (NU 7531) and urgent care (NU 7541) settings. Each credit will require 75 hours of clinical practice. Clinical practice courses must be completed either in the same semester with the corresponding theory course or within the next term. 1 credit (75 clinical hours) for each of the six courses.
PRE- OR CO-REQUISITES: NU 750 – FOR NU 7501; NU 7502 STUDENTS MUST TAKE NU 751 WITH OR PRIOR TO TAKING NU 7511 STUDENTS MUST TAKE NU 752 WITH OR PRIOR TO TAKING NU 7521 STUDENTS MUST TAKE NU 753 WITH OR PRIOR TO TAKING NU 7531 STUDENTS MUST TAKE NU 754 WITH OR PRIOR TO TAKING NU 7541

NU 792  Integration of Advanced Practice Nursing Role
This course is a master’s capstone course in which students will integrate the knowledge gained throughout the program into the practice setting. This course will focus on advanced practice role integration and legal and financial issues related to advanced practice nursing, management of care, and special issues in the community. Students will practice the designated number of hours in the community with an advanced practice nurse. Students will design and implement a health promotion/education project designed to meet an identified need within the community. 1.5 credits
PREREQUISITES: COMPLETION OF DIDACTIC AND CLINICAL PRACTICE COURSES (NU 7501, NU 7502, NU 7511, NU 7531, NU 7541); CO-REQUISITE: NU 7921 OR NU 7924.

NU 7921  Integration of Advanced Practice Nursing Clinical Role Clinical Practicum
This 1.5 credit course is a master’s capstone course in which students will integrate the knowledge gained throughout the program into the practice setting. Students will practice the designated number of hours in the community with an advanced practice nurse or physician preceptor. Students will design and implement a health promotion/education project designed to meet an identified need within the community and present an evaluation of this project to faculty and peers. 1.5 credits [112 hours].
PREREQUISITES: NU 750, NU 7501, NU 7502, NU 751, NU 7511, NU 752, NU 7521, NU 753, NU 7531, NU 754, & NU 7541; CO-REQUISITE: NU 792.

NU 7924  Integration of Advanced Practice Nursing Role Practicum in the International Setting
This course is a master’s capstone course in which students will integrate the knowledge gained throughout the program into the practice setting. Students will practice the designated number of hours in both a local and an international clinical setting with an advanced practice nurse or physician preceptor. Students will design and implement a health promotion/education project designed to meet an identified need within the community and present an evaluation of this project to faculty and peers. 1.5 credits (88 hours in local site; 24 hours in international site).
PREREQUISITES: NU 750, NU 7501, NU 7502, NU 751, NU 7511, NU 752, NU 7521, NU 753, NU 7531, NU 754, NU 7541; CO-REQUISITE: NU 792.
DOCTOR OF NURSING PRACTICE

PROGRAM OVERVIEW

The School of Nursing at Carlow University offers the Doctor of Nursing Practice [DNP] degree. The DNP curriculum focuses on providing a leadership role in evidence-based advanced practice. Students gain competencies in translating research into practice, evaluating current evidence, and applying research findings in decision-making. The emphasis is on leading the implementation of transformational change in their area of practice. Completion of the program prepares graduates to practice in a variety of advanced practice leadership roles.

Classes are hybrid in format, combining a low residency requirement with extensive online facilitation. The DNP program requires that students document the completed practice hours from their master's degree program and complete additional practice hours related to the Scholarly Inquiry project during the DNP Program to equal 1,000 hours total (including both programs). Students may complete the 30 credit program in a 20 month period, taking two to three classes per term, or complete the program part-time, taking one course per term for 44 months.

PROGRAM OBJECTIVES

After completing the program, the DNP student will:

1. Critically appraise current scientific findings and theories to enhance the practice of nursing and health care:
   - Evaluate strengths, limitations, and disparities in current health care systems and care to diverse populations;
   - Integrate current theoretical and research literature to impact positively the quality of health care;
   - Construct and evaluate new approaches to practice, utilizing a collaborative interdisciplinary approach.

2. Translate and utilize evidence-based concepts and information systems to promote optimal health in diverse populations, settings, and systems:
   - Use databases, information technology, and research methods to participate in data collection that generates and evaluates evidence-based practice;
   - Design effective methods for the empowerment of health care consumers that encourages active participation in their own health care;
   - Evaluate, apply, and revise evidence-based practice protocols to promote wellness.

3. Create leadership roles and collaborate with other professionals to effect changes within complex systems of care:
   - Propose and implement ongoing changes in delivery approaches and health care systems to promote quality, safe care;
   - Impact the ethical, economic, social, and political issues that affect health care outcomes;
   - Develop, advocate for, and promote health care initiatives at local, regional, and/or national levels;
   - Promote fiscally responsible quality care.

4. Pursue clinical scholarship and scientific inquiry to transform health care practice and systems:
   - Demonstrate accountability for and utilization of evidence-based practice principles in the practice of advanced nursing;
   - Advance the practice of nursing through scholarship, mentorship, and leadership efforts;
   - Disseminate results of evidence-based practice protocols, systems changes, and population health care initiatives.

Requirements:
NU 801, NU 805, NU 806, NU 807, NU 808, NU 814, NU 831, NU 832, and six credits of graduate-level electives
DOCTOR OF NURSING PRACTICE

COURSE DESCRIPTIONS

NU 801 Nursing Inquiry and Leadership
This course examines the history of and major concepts used in scientific inquiry. The process of theory development, evaluation, and testing, as it relates to knowledge development within the practice of nursing, will be highlighted. The role of leadership in advancing evidence-based practice in nursing will be underscored. This is a required course for DNP students. 3 credits

NU 805 Research Methods and Applied Statistics
This course provides a foundation for interpreting the evidence in current literature and conceptualizing a scholarly research project. Students will begin to appreciate the complexities of qualitative and quantitative research methodologies while gaining an understanding of how a researcher determines selection of a particular research method and data analysis techniques. The analysis and interpretation of data from qualitative and quantitative research designs will be emphasized. During the course, students will begin investigation and development of a research question and write a literature review. This is a required course for DNP students. 3 credits

NU 806 Scholarly Inquiry I
This course builds on graduate-level research foundations knowledge. The systematic collection and evaluation of both quantitative and qualitative evidence will be highlighted. Students use data bases and other existing information technologies to collect and evaluate evidence for practice improvement. During the course, students will finalize a research question, refine a review of the literature, and design a study for the implementation and evaluation of current evidence or for the collection of new evidence and analysis of the data. Students will develop an IRB proposal. Students will practice under the supervision of faculty and a community expert preceptor. This is a required course for DNP students. 3 credits PREREQUISITES: NU 801, NU 805.

NU 807 Scholarly Inquiry II
This course builds on work completed in NU 806, Scholarly Inquiry I. Students implement evidence-based projects for use in health care systems or with identified populations. These projects embody culturally sensitive, ethical, fiscally responsible, and politically sound principles designed to promote health and safety. Students will implement their scholarly inquiry under the supervision of faculty and a community expert preceptor. This is a required course for DNP students. 3 credits PREREQUISITE: NU 806.

NU 808 Scholarly Inquiry III
In this doctoral course, advanced leadership, ethical behaviors, collaboration and organizational skills are applied. Students evaluate their evidence-based projects completed under the supervision of faculty and a community expert preceptor. Communication with the instructor, professionals associated with the project, and peers is ongoing throughout the course in seminar discussions. Students present their completed projects and prepare a manuscript for publication. This is a required course for DNP students. 3 credits PREREQUISITE: NU 807.

NU 814 Population Health Promotion
This graduate-level course relates to health promotion for populations. Public health concepts and system-level population determinants of health are examined; strategies are analyzed and developed. This is a required course for DNP students. 3 credits

NU 824-829 Scholarly Inquiry Practice (Optional)
These courses provide an optional opportunity to continue development of the scholarly inquiry project initiated in NU 806: Scholarly Inquiry I or to continue to participate in DNP practice hours. Students are expected to demonstrate critical thinking, integration and evaluation of theory and research, and continued development and implementation of an evidence based project in health care systems or identified populations. This course is no approved for any of the required elective credits in the DNP program. 1 credit per course.

NU 831 Systems Leadership I: Quality, Innovation, Technology, and Fiscal Management
This graduate-level course synthesizes key concepts in organizational and systems leadership. The course will encompass in-depth analysis of select concepts or topics using an analytical framework, focusing on quality, innovation, technology, and fiscal management. Doctoral students will examine the underpinnings of organizational and systems behavior and leadership, emphasizing innovative practice and improved health outcomes while ensuring patient safety. This is a required course for DNP students. 3 credits

NU 832 Systems Leadership II: Communications, Policy, Advocacy, Ethics, and Informatics
This graduate-level course synthesizes key concepts in organizational and systems leadership. The course will encompass in-depth analysis of select concepts or topics using an analytical framework, focusing on advanced communication and collaboration skills, ethical principles, fiscal principles and management, policy and advocacy. Doctoral students will examine the underpinnings of organizational and systems behavior and leadership, emphasizing innovative practice and improved health outcomes while ensuring patient safety. This is a required course for DNP students. 3 credits
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