



# WESTERN GOVERNORS UNIVERSITY®

**Institutional Catalog**

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**Western Governors University**  
**2022 University Catalog**  
**Volume MMXXII, No. 8**  
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**Undergraduate and Graduate Programs**

Teachers College

College of Business

College of Information Technology

College of Health Professions

The electronic catalog—the WGU public website—is available at any time by accessing the following URL:  
[www.wgu.edu](http://www.wgu.edu)

The print version of this catalog for students and prospective students may be requested by sending an email to the Student Records department at [records@wgu.edu](mailto:records@wgu.edu).

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# About Western Governors University

Why are we called Western Governors University? Our name tells the story of our founding—a story that dates back to 1997, when a group of U.S. governors came up with an innovative answer to a question of growing concern: How can we ensure more of our residents have greater access to a college education that fits their schedule? That meeting of the Western Governors' Association marked the beginnings of a new national university.

From the beginning, we were designed to be different. The U.S. governors who founded WGU knew that the college student of the 21st century would be very different from students in the past. For millions of working adults, the dream of pursuing a college education could only become a reality once the boundaries of time and place could be removed. Overcoming this challenge was at the heart of the WGU idea.

It was the mid-1990s, and a new technology was quickly emerging: the internet. As more and more Americans were able to get online, the possibility of an “anywhere, anytime” education became a reality. And more than simply delivering traditional, lecture-based learning via modem and monitor, our founders recognized that technology could be used to fundamentally change the way college students learn. Harnessing the power of the internet and our innovative new learning model—competency-based education—WGU revolutionized the way students learn, master concepts, and progress to a degree.

As a nonprofit, online university founded by governors, WGU is different. But even beyond the unique story of our founding and the foresight of our founders, WGU is different for a more fundamental reason: *We do education differently.*

WGU is mission-driven. Created to expand access to higher education through online, competency-based degree programs, WGU's mission has remained one of helping hardworking adults meet their educational goals and improve their career opportunities. Our mission is **to change lives for the better by creating pathways to opportunity.**

## Competency-Based Education

Colleges and universities traditionally require attendance in a classroom, conferring degrees based on completion of a certain set of courses for a given number of credit hours. As an online institution that provides its students the convenience of studying and completing coursework outside the classroom, WGU provides competency-based courses to complete its degree and non-degree requirements. Competency-based programs allow students to demonstrate that they have acquired the competencies (levels of knowledge, skill, or ability) required for a particular degree or certificate. Students have often acquired many of the skills necessary for a degree through life or work experience. WGU's system enables students to utilize previously learned skills in proving their competencies.

A team of faculty have identified the required competencies for each program offered at WGU. Competencies summarize the critical knowledge and skill levels essential for mastery of a particular field. WGU students demonstrate mastery of competencies by completing assessments. An assessment may be a test, a project, an essay, or another practical demonstration of a required skill. Therefore, assessments might look like:

- Assignments involving problem-solving in science or information technology.
- Computerized math examinations consisting of multiple-choice, matching, and other question types.
- Projects requiring the student to design a lesson plan about American history.
- Reflection essays about case studies.
- Research papers on particular topics within the student's field.

Each assessment measures knowledge and skill in a given area through appropriate means. Assessments are developed using a rigorous process that conforms to professional testing standards. This process yields high-quality exams, reliable results, and supports valid conclusions about each student's level of competence. Students can be confident that all their assessments, whether computerized exams or performance tasks, align to and demonstrate specific competencies in their individual degree programs.

## Accreditation

Accreditation provides external, expert evaluation of WGU's programs and policies, eases the transfer of credits to other accredited institutions, and legitimizes degree credentials for employers and colleges.

## NWCCU

Western Governors University is accredited by the Northwest Commission on Colleges and Universities. Accreditation of an institution of higher education by the Northwest Commission on Colleges and Universities indicates that it meets or exceeds criteria for the assessment of institutional quality evaluated through a peer review process. An accredited college or university is one which has available the necessary resources to achieve its stated purposes through appropriate educational programs, is substantially doing so, and gives reasonable evidence that it will continue to do so in the foreseeable future. Institutional integrity is also addressed through accreditation. Accreditation by the Northwest Commission on Colleges and Universities is not partial but applies to the institution as a whole. As such, it is not a guarantee of every course or program offered, or the competence of individual graduates. Rather, it provides reasonable assurance about the quality of opportunities available to students who attend the institution. Inquiries regarding an institution's accredited status by the Northwest Commission on Colleges and Universities should be directed to the administrative staff of the institution. Individuals may also contact: Northwest Commission on Colleges and Universities; 8060 165th Avenue NE, Suite 100; Redmond, WA 98052; (425) 558-4224; [www.nwccu.org](http://www.nwccu.org).

## CAEP

The Teachers College at Western Governors University has been granted advanced-level accreditation (effective fall 2021 to fall 2025) from CAEP, the Council for the Accreditation of Educator Preparation; 1140 19th St NW, Suite 400; Washington, DC 20036; (202) 223-0077.

## AAQEP

The teacher licensure programs offered through the WGU Teachers College have been awarded full accreditation by the Association for Advancing Quality in Educator Preparation (AAQEP) through June 30, 2026. Full accreditation acknowledges that a program prepares effective educators who continue to grow as professionals and that the program has demonstrated the commitment and capacity to continue to do so.

## CCNE

The baccalaureate degree program in nursing and master's degree programs in nursing at Western Governors University are accredited by the Commission on Collegiate Nursing Education; 655 K Street NW, Suite 750; Washington, DC 20001; (202) 887-6791; <http://www.ccneaccreditation.org>.

## CAHIIM

The Health Information Management accreditor of Western Governors University is the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM). The College's accreditation for the baccalaureate degree in health information management has been reaffirmed through 2023. All inquiries about the program's accreditation status should be directed by mail to CAHIIM; 200 East Randolph Street, Suite 5100; Chicago, IL 60601; by phone at (312) 235-3255; or by email at [info@cahiim.org](mailto:info@cahiim.org).

## ACBSP

The baccalaureate and master's degree programs offered by the College of Business at Western Governors University are accredited by the Accreditation Council for Business Schools and Programs (ACBSP); 11520 W 199th St; Overland Park, KS 66213; (913) 339-9356.

## **University Governance**

WGU is governed by the Board of Trustees consisting of educators, industry leaders, and state governors. In addition, WGU continues to draw support (without state appropriations) from the governors of the member states that were instrumental in the founding of WGU.

The following link provides information about the Board of Trustees, National Advisory Board, and other university officials: <https://www.wgu.edu/about/university-governance.html>

## Board of Trustees

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### **Chris Lee**

President, WGU Academy

## Academic Program Governance

Academic programs are developed and guided by WGU administrators working through several councils comprised of academicians and industry experts in the various fields of knowledge. Each programmatic area (e.g., undergraduate nursing, initial licensure for teaching) has a program council which is the faculty governing body for the degree or non-degree program. Program councils, along with the program coordinator, are responsible for overseeing the development of the curriculum (including competence descriptions, subdomains, and domains), overseeing all assessments, and updating the curriculum.

In addition to program councils, an Assessment Council is responsible for working with program leaders, assessment development vendors, and WGU assessment staff to ensure that WGU's assessments are appropriate tests of the competencies identified by the program leaders.

For a listing of members of each Council, see <https://www.wgu.edu/about/university-governance.html>.

### Faculty Composition

WGU employs a disaggregated faculty model across the university. The aggregated roles and tasks performed by traditional university professors (e.g., meeting with and advising students, course or curriculum design, instruction, assessment) are distributed among faculty members. Consequently, the jobs of individual WGU faculty members focus on single aspects of the academic experience, and students are supported by a team of faculty. Within WGU, there are several faculty roles and associated tasks:

**Assessment Faculty** – An individual with expertise in assessment theory and practice who is responsible for the design, development, and continuous improvement of assessments that support a competency-based curriculum in accordance with industry best practices.

**Curriculum Faculty** – An individual with expertise in curriculum theory and practice who is responsible for the design, development, and evaluation of competency-based curricula to provide relevant, robust learning experiences.

**Clinical Faculty** – Professional experts who provide clinical instruction and evaluation to students in individual or group settings to support students in meeting the practice requirements for licensure.

**Instructors** – Subject-matter experts who provide direct instruction to students in individual and/or group settings, and who are responsible for providing course-specific student support that is effective, engaging, and appropriately personalized.

**Program Mentors** – An individual with professional or domain expertise in program competencies who provides academic guidance and personalized programmatic instruction and support to students.

**Evaluators** – Subject matter experts responsible for providing robust, personalized feedback on performance assessments and evaluating student competency.

**Faculty Leaders** – Individuals with academic or professional expertise who manage teams of faculty and are accountable for ensuring faculty provide timely, appropriately personalized student instruction or support that develops student competency and supports student success. Faculty leaders are responsible for collaborating with Program Chairs to make academic decisions that ensure program quality and strong student outcomes.

**Honorary Faculty** – An individual who is a recognized expert, nationally or internationally renowned in their field, or a highly reputed scholar in their field and is thereby, uniquely qualified based on exceptional academic or professional expertise. Honorary faculty may not necessarily meet stated minimum qualifications for other faculty positions.

**Program Chairs** – An individual with academic or professional expertise in the program domain who is accountable for the integrity, excellence, national reputation, and continuous improvement of a portfolio of relevant educational programs through leadership, innovation, fiscal efficiency, partnerships, and the advancement of the discipline. This administrative faculty person is accountable for the quality, relevance, and performance of one or more academic programs. Chairs are responsible for the financial, academic, and reputational health of the program(s) they lead and work closely with faculty leaders to produce strong student outcomes.



## Academic Calendar

The traditional academic calendar with limited enrollment periods, holidays, and other significant dates is not applicable. In WGU's continuous-enrollment model, new groups of degree-seeking students start on the first day of every month. Students can access learning resources, schedule assessments, and complete performance assessments anytime.

WGU's academic calendar divides a student's academic year into two, six-month semesters called "terms." The six months that make up a term are based on when the student begins the program. For example, if a student begins the program on February 1, the first term will last from February 1 through July 31. The second term would begin August 1.

## Learning Resources

WGU students use a variety of learning resources, included in the cost of attendance, to acquire the skills and knowledge needed to complete assessments. These learning resources come in a variety of forms (e.g., e-textbooks, web-based tutorials, simulations, online labs).

## Student Services

Students enrolling at WGU become part of our community of faculty and staff who are united under one goal: student success. The Student Services office is available during extended hours to assist students with general questions and administrative or accessibility issues. The Student Services team helps students resolve issues, listens to student issues and concerns, and makes recommendations for improving policy and practice based on student feedback. The Student Services team provides a formal means by which students can express their views, and those views in turn inform the decisions we make.

The Student Services team assists students with unresolved concerns to find equitable resolutions. Prior to contacting the Student Services office with a complaint, students should work with their Program Mentor. Mentors have the expertise to guide students toward goals and direct them to resources to be successful. If, however, students have an issue or problem that cannot be resolved by their Program Mentor, they are invited to contact the Student Services office. Student Services can also assist students who wish to request to be assigned to a different Program Mentor.

To contact the Student Services team, please call 877.435.7948 or email [studentservices@wgu.edu](mailto:studentservices@wgu.edu). Representatives are available Monday through Friday from 6 AM to 10 PM MT and Saturday from 7 AM to 7 PM MT (closed Sunday).

## Financial Services

WGU's award-winning Financial Services team guides students through the process of paying for their educational journeys. The Financial Aid Office can be reached by email at [financialservices@wgu.edu](mailto:financialservices@wgu.edu) or by calling 877.435.7948. Hours of operation are weekdays 7 AM to 7 PM MT (closed on weekends).

## Service Desk

WGU's Service Desk is available to help students resolve any technology problem by calling 877.435.7948 or emailing [servicedesk@wgu.edu](mailto:servicedesk@wgu.edu). The Service Desk is open Monday through Friday from 6 AM to 10 PM MT and from 10 AM to 7 PM MT on Saturday and Sunday.

## Student Wellness

WGU offers each student WellConnect™, a free, voluntary, and confidential service which offers counseling and support services to students. WellConnect™ provides support with a live clinician by phone 24 hours a day, 7 days a week. Due to WGU's online presence and lack of a physical campus, the WellConnect student assistance program constitutes the extent of healthcare services available to WGU students.

## Commencement

WGU hosts virtual and live commencement weekends over the course of the year, with new cities and events each year. WGU's Alumni Relations team provides these opportunities for students, graduates, and families to come together to celebrate their accomplishments and achievements. Visit [www.wgu.edu/commencement](http://www.wgu.edu/commencement) for details.

## Alumni Engagement

WGU's Alumni Community of graduates is quickly growing. To help support these graduates, the Alumni Engagement team is constantly seeking new ways to provide alumni with the tools and resources they need to succeed in the next phase of their lives. Graduates have free access to these tools and resources on the alumni community website: [www.wgu.edu/alumni](http://www.wgu.edu/alumni).

Connect with other graduates using WGU's Night Owl Network, a state-of-the-art networking platform developed specifically for fostering mentorship experiences, or the WGU Alumni LinkedIn Group. These are both closed groups, as graduates and students must request to be added as a member.

WGU Night Owl Network: [www.wgunightowlnetwork.com](http://www.wgunightowlnetwork.com)

WGU Alumni LinkedIn Group: <https://www.linkedin.com/groups/51112>

WGU is eager to provide leadership opportunities to alumni who are dedicated to representing the university by hosting a networking event, working with a student or prospective student who could use advice from someone who's "been there," helping at commencement, facilitating corporate and school district partnerships along with WGU, etc. This dedicated group of alumni is called WGU's Ambassadors Club. Please contact the Alumni Engagement team if you are interested in joining WGU's Ambassadors Club.

## Career and Professional Development

WGU provides career assistance and resources to students and graduates. Career and Professional Development (CPD) Specialists are available to educate students and graduates on how to develop a career plan, implement job-search strategies, and assist with the creation of marketing tools such as resumes, cover letters, and professional portfolio profiles. Additionally, students and graduates have exclusive 24/7 self-service access to professional career resources, such as resume development and practice interview software, self-assessments, and job banks. For more information, visit the Career and Professional Development Website: [www.wgu.edu/careerservices](http://www.wgu.edu/careerservices).

*Please Note: WGU does not guarantee employment upon degree completion or provide placement services.*

## Library

The WGU Library's mission is to provide access and delivery of information resources independent of time and place. The fully online digital library serves students, faculty, and staff around the clock, with library resources available to users 24 hours a day, 365 days a year. The library collection includes hundreds of thousands of ebooks, full text journals, and licensed academic databases. WGU librarians work with vendors to provide seamless access to information resources and to ensure patron expectations are met when using library resources. Our main search uses EBSCO Discovery Service, allowing students to search across the majority of WGU subscriptions via a single platform. Students can also search individual databases and ebook collections, and have access to a variety of subject-specific research guides.

For materials not immediately available in our collection, the WGU Library provides document delivery and hardcopy book loans through the University of Michigan and Reprints Desk document delivery. Students and faculty can also suggest titles they feel would be a valuable addition to our existing library collections. The WGU Alumni Library is available to students upon graduation and includes alumni subscription packages and, dependent on licensing restrictions, some content from our main library collection.

WGU librarians work with university faculty and administration to integrate library resources and information literacy instruction directly into WGU coursework. Library staff collaborate with subject matter experts, learning resource specialists, instructional designers, and other content selectors to ensure WGU collections align with program needs, and to help create tailored information literacy instruction.

Students have multiple options for working with librarians for reference and research support. They can email, schedule a phone appointment, or chat live with a librarian. The chat service is available 24/7, including holidays. The library offers general and college-specific live webinars. Information on library use and policies may be accessed at <https://cm.wgu.edu/t5/Academic-Requirements/Library-Services/ta-p/48>.

## **Facilities**

As an online university, WGU does not have a physical campus for students. Prospective students are informed of the computer capacity requirements for successful access to all WGU systems and learning resources. WGU has various administrative offices placed throughout the United States with the headquarters located in Utah.

*Utah Headquarters:* 4001 S 700 E, Suite 700; Salt Lake City, UT 84107 (with enrollment center)

*Arizona:* 432 N 44th St, Suite 400; Phoenix, AZ 85008 (enrollment center only)

*California:* 2900 South Harbor Blvd, Suite 201; Santa Ana, CA 92704 (nursing lab only)

*Indiana:* 333 N Alabama St, Suite 250; Indianapolis, IN 46204

*Missouri:* 8000 Maryland Ave, Suite 410; St. Louis, MO 63105 (with enrollment center)

*North Carolina:* 1009 Slater Rd, Suite 310; Durham, NC 27703

*Ohio:* 325 John H. McConnell Blvd., Suite 375; Columbus, OH 43215

*Tennessee:* 501 Corporate Centre Dr, Suite 390; Franklin, TN 37067

*Texas (Austin):* 12515 Research Blvd, Building 8, Suite 250; Austin, TX 78759 (with enrollment center)

*Texas (Houston):* 2051 S Greenhouse Rd, Suite 375; Houston, TX 77084 (nursing lab only)

*Washington:* 20435 72nd Ave. South, Suite 301; Kent, WA 98032

# Admissions

## General Admission Requirements

WGU seeks to admit individuals who have the capacity and determination to complete a rigorous WGU certificate or degree program. The admission process is designed to help students and the university reach an informed decision about an applicant's likelihood of success.

<http://www.wgu.edu/admissions.html>

### Admissions Criteria:

- Prior college experience and work experience (if any)
- The time commitment one can make to their studies

Students may also meet admissions requirements by completing the relevant program of study at WGU Academy, a pre-enrollment alternative pathway to regular enrollment at WGU.

To be considered for enrollment into a bachelor's degree program, applicants must possess a high school diploma or its equivalent. Depending upon the program of interest, other specific admission requirements may also apply. See the program-specific admission requirements below.

Prospective students seeking admission to WGU undergraduate degree programs must be no less than 16 years of age. Prospective students seeking admission to WGU undergraduate or graduate licensure degree programs must be no less than 18 years of age at the time of clinical or field placement requirements. Furthermore, prospective students may not be incarcerated in a state or federal penal institution. Prospective students must also meet all other general and specific degree program admission requirements on the WGU website.

For convenience, *WGU starts new groups of students in most degree programs every month.* Currently, WGU programs do not require a specific score on either the SAT or ACT.

English Language Requirement (TOEFL): WGU students are expected to communicate clearly in writing and during conversations with WGU faculty and staff. If English is not a student's native language, they must submit proof of a qualifying score on the Internet-based Test of English as a Foreign Language (TOEFL iBT). WGU requires a qualifying score of 80 or higher. Please see <https://cm.wgu.edu/t5/Admission/English-Language-Requirement-TOEFL/ta-p/40>.

### Steps and Deadlines for Enrollment

Below is the list of steps and their respective deadlines required for enrollment into a WGU degree program:

1. Apply for admission and pay the application fee. The application fee is \$65 and can be paid online using a credit card or by mailing a check or money order. The application fee must be paid before an application will be fully processed. *WGU does not profit from application fees, as they help offset only a small portion of enrollment and admissions costs.*

2. Send in official transcripts. Depending on the program, students may need to have a transfer evaluation or degree verification. Students with prior college experience should send in their transcripts to help with a transfer evaluation and admissions decision. Students should submit official copies of their transcripts by the 1st of the month prior to the intended start date for evaluation.

Official transcript copies can be submitted by mail or email ([transcriptinfo@wgu.edu](mailto:transcriptinfo@wgu.edu)):

Western Governors University  
ATTN: Transcripts Department  
4001 South 700 East, Suite 300  
Salt Lake City, UT 84107-2533

3. Complete the financial aid application process. If intending to use federal financial aid to cover tuition expenses, students will need to complete WGU's financial aid application process and be certified as eligible to receive aid no later than the 22nd of the month prior to the intended start date. An Enrollment Counselor can answer any questions.

4. Complete the intake interview. The intake interview is a 20 to 30 minute telephone interview that finalizes enrollment and officially sets the program start date. This call is conducted by an Enrollment Counselor to ensure that students have accurate and appropriate expectations of WGU and of their program. This step must be completed by the enrollment deadline (generally the 15th of the month prior to the start date).
5. Satisfy first tuition obligation. The first tuition payment is due by the 22nd of the month prior to the intended start date. WGU strongly encourages students to make tuition arrangements or finish the financial aid process sooner.
6. Complete orientation. Once the other steps are completed, students will be ready to begin WGU orientation. The orientation course is designed to help students: understand WGU's competency-based approach to education, identify their learning style, gain skills in online research, review time management and study skills, gain practice using online communication tools such as threaded discussions and chat, and connect with peers and mentors online.

## **College of Business Admission Requirements**

Degrees from the College of Business emphasize mastery of the skills and knowledge that are essential for continued advancement. Below are admissions requirements specific to College of Business programs that are in addition to WGU's general admissions requirements.

[http://www.wgu.edu/admissions/business\\_requirements](http://www.wgu.edu/admissions/business_requirements)

*Special Requirements for WGU's MBA Programs and M.S. Management and Leadership Program:*

- Submit a transcript verifying receipt of your bachelor's, master's, or doctoral degree from a recognized, accredited institution.

*Special Requirements for WGU's MS Accounting Program:*

- Submit a transcript verifying receipt of a bachelor's degree from a recognized, accredited institution.
- Demonstrate accounting experience through at least one of the following methods:
  - A bachelor's degree in accounting.
  - A Certified Public Accountant (CPA) license.

*There are no special admission requirements for entry into a bachelor's level business degree program.*

## **College of Health Professions Admission Requirements**

All of the degrees offered by WGU's College of Health Professions focus on mastery of the skills and knowledge that are essential to success in this vital and high-demand field. Below are admissions requirements specific to College of Health Professions programs that are in addition to WGU's general admissions requirements.

<https://www.wgu.edu/admissions/nursing-health-requirements.html>

*There are no special admission requirements for entry into the B.S. Health Services Coordination program.*

*Special requirements for WGU's B.S. Health Information Management Program:*

- Possess a high school diploma or its equivalent.
- Demonstrate IT, healthcare, or business experience through one of the following:
  - Option 1: An associate degree in an allied health field, information technology, business administration, or from a CAHIIM-accredited, or AHIMA-approved (prior to 2006) Associate degree HIT program.
  - Option 2: Current active HIM or Revenue Cycle industry certifications or a WGU pathway credential such as MCCAP, MACCP, or approved WGU Academy pathway.
  - Option 3: A resume showing one year of administrative healthcare-related work experience within the last three years, or an active healthcare-related certification, or three years of information technology experience or healthcare business management experience. (Escalation to Program Chair for review)

*Special requirements for WGU's B.S. in Nursing Program:*

- Possess an associate's degree or diploma in nursing from an accredited institution or state board of nursing approved program.
- Possess an active, unencumbered RN license in your state of residence or your state of employment (some license holders may be granted a waiver if they are not licensed in their state of residence or employment). RN licensure in your state of residence or employment is required to successfully complete clinical experiences. Compact licenses must be endorsed by your state of residence.
- Submit to and pass a criminal background check through American Databank ([www.wgucompliance.com](http://www.wgucompliance.com)).

*Special requirements for WGU's M.S. in Nursing Education, Informatics, or Leadership and Management (RN to MSN Option) Programs:*

- Possess an associate's degree or diploma in nursing from an accredited institution or state board of nursing approved program.
- Possess an active, unencumbered RN license in your state of residence or your state of employment (some license holders may be granted a waiver if they are not licensed in their state of residence or employment). RN licensure in your state of residence or employment is required to successfully complete clinical experiences. Compact licenses must be endorsed by your state of residence.
- Submit to and pass a criminal background check through American Databank ([www.wgucompliance.com](http://www.wgucompliance.com)) and provide proof of current immunizations. Additional fees apply.

*Special requirements for WGU's M.S. in Nursing Education, Informatics, or Leadership and Management (BSN to MSN Option) Programs:*

- Possess a bachelor of science in nursing degree (BSN) from an accredited institution or state board of nursing approved program.
- Possess an active, unencumbered RN license in your state of residence or your state of employment (though you are not required to be working as an RN at the time of enrollment). Some license holders may be granted a waiver if they are not licensed in their state of residence or employment. RN licensure in your state of residence or employment is required to successfully complete clinical experiences. Compact licenses must be endorsed by your state of residence.
- Submit to and pass a criminal background check through American Databank ([www.wgucompliance.com](http://www.wgucompliance.com)) and provide proof of current immunizations. Additional fees apply.

*Special Requirements for WGU's Master of Health Leadership Program:*

- Possess a bachelor's degree from an accredited university and experience in healthcare or healthcare-related industry. OR
- Possess a bachelor's degree from an accredited university and obtain MHL program chair approval.

*Special requirements for WGU's Post-Master's Certificates in Nursing Programs:*

- Possess an M.S. in Nursing from an accredited institution or state board of nursing approved program.
- Possess an active, unencumbered RN license in your state of residence or your state of employment (some license holders may be granted a waiver if they are not licensed in their state of residence or employment). You must be licensed in the state in which you will complete your clinical experience.

*Special requirements for WGU's MSN Family Nurse Practitioner Program:*

- Possess a bachelor of science in nursing degree (BSN) from an accredited institution or state board of nursing approved program. Students that hold an MSN will not be eligible to apply for the MSN-FNP pathway.
- Possess a current, active, unencumbered registered nurse (RN) license from AND a permanent residence in an approved state. Students must complete the internships in their state of residence/license and intend to obtain initial APRN licensure in that state. Compact licenses must be endorsed by your state of residence. The FNP is currently not available for students in California, District of Columbia, Louisiana, Maryland, Massachusetts, New York, North Dakota, Oregon, and Washington.
- Submit to a criminal background check through American Databank\* ([www.wgucompliance.com](http://www.wgucompliance.com)).
- Submit a cover letter and professional resume or CV\* outlining your academic, professional, and service history.
- Submit a letter of intent.\* You must submit a 1-2-page student statement detailing your experience in nursing and

explaining why you want to become an FNP. This document helps us understand your unique situation and personal goals.

- Provide three letters of recommendation from:\*\*
  - A supervisor or manager who directly supervised you in a clinical setting.
  - A professor, faculty member, or academic advisor who can provide meaningful input regarding your academic record.
  - A Board Certified practicing healthcare provider (APRN, NP, PA, MD, DO) who has served as a mentor or whom you have shadowed, preferably in the specialty to which you are applying. A registered nurse cannot serve as the practicing provider for this recommendation source.
- Have earned a 3.0 cumulative grade point average\* (on a 4.0 scale) in the following 5 courses OR hold a BSNU degree from WGU. All courses must be awarded a C- or above to meet this requirement. At this time, WGU is not accepting transfer credit for the MSN Family Nurse Practitioner program.
  - Anatomy / Physiology I w/lab (equivalent to 4 semester hours)
  - Anatomy / Physiology II w/lab (equivalent to 4 semester hours)
  - Statistics (equivalent to 3 semester hours)
  - Human Growth and Development Across the Lifespan (equivalent to 3 semester hours)
  - Pharmacology (equivalent to 2 semester hours)

\*Additional information is available at <https://www.wgu.edu/admissions/nursing-health-requirements.html>.

\*\*Access the Letter of Recommendation request form through your enrollment portal.

It is strongly preferred that applicants have one year of clinical experience and be actively working as an RN at the time of application as these will be competitive factors in the admission decision-making process.

*Special requirements for WGU's MSN Psychiatric Mental Health Nurse Practitioner Program:*

- Possess a bachelor of science in nursing degree (BSN) from an accredited institution. Students that hold an MSN will not be eligible to apply for the BSN-PMHNP pathway.
- Possess a current, active, unencumbered registered nurse (RN) license from AND a permanent residence in an approved state. Students must complete the internships in their state of residence/license and intend to obtain initial APRN licensure in that state. Compact licenses must be endorsed by your state of residence. The PMHNP is currently not available for students in Arizona, California, District of Columbia, Louisiana, Maryland, Massachusetts, New York, North Dakota, Oregon, Tennessee, Washington, and Wisconsin.
- Submit to a criminal background check through American Databank\* ([www.wgucompliance.com](http://www.wgucompliance.com)).
- Submit a professional resume or CV\* outlining your academic, professional, and service history.
- Submit an application essay.\* You must submit a 3 to 4 page student statement detailing your experience in nursing and explaining why you want to become a PMHNP. This document helps us understand your unique situation and personal goals.
- Provide three letters of recommendation from:
  - A supervisor or manager who directly supervised you in a clinical setting.
  - A professor, faculty member, or academic advisor who can provide meaningful input regarding your academic record.
  - A Board Certified practicing healthcare provider (APRN, NP, PA, MD, DO) who has served as a mentor or whom you have shadowed, preferably in the specialty to which you are applying. A registered nurse cannot serve as the practicing provider for this recommendation source.
- Have earned a 3.0 cumulative grade point average\* (on a 4.0 scale) in the following 5 courses OR hold a BSNU degree from WGU. All courses must be awarded a C- or above to meet this requirement. At this time, WGU is not accepting transfer credit for the MSN Psychiatric Mental Health Nurse Practitioner program.
  - Anatomy / Physiology I w/lab (equivalent to 4 semester hours)
  - Anatomy / Physiology II w/lab (equivalent to 4 semester hours)
  - Statistics (equivalent to 3 semester hours)
  - Human Growth and Development Across the Lifespan (equivalent to 3 semester hours)
  - Pharmacology (equivalent to 2 semester hours)

\*Additional information is available at <https://www.wgu.edu/admissions/nursing-health-requirements.html>.

It is strongly preferred that applicants have one year of clinical experience and be actively working as an RN at the time of application as these will be competitive factors in the admission decision-making process.



### *Special requirements for WGU's B.S. Nursing (Prelicensure) Program:*

Available in Florida, Indiana, Texas, and Utah - WGU has partnerships with healthcare employers who provide practice sites and clinical coaches to help teach and inspire students on their path to becoming a nurse. Admissions into the B.S. Nursing (Prelicensure) program is open to aspiring nurses in these select areas who have completed all prerequisites as outlined below. Enrollment into this program is conducted in two phases of admissions: Pre-Nursing Curriculum and the Clinical Nursing Program.

#### *Pre-Nursing Enrollment Requirements:*

Applicants must have a minimum of a 2.5 GPA in the required nursing sciences to be considered for enrollment into the pre-nursing program. Successful completion of a nursing program admission exam is required prior to enrollment. Enrollment in the university and in the pre-nursing term does not guarantee acceptance into the clinical nursing program. Applicants are required to submit and/or complete the following items:

- Take and pass the ATI TEAS Exam with a minimum total score of 60% and a reading subtest score of at least 60.
- Submit a professional resume.
- Submit a letter of intent.
- Submit one professional letter of recommendation.
- Submit official transcripts from all previous institutions that show completion of required prerequisites. Please see <https://www.wgu.edu/admissions/nursing-health-requirements/alternative-transfers-prelicensure.html>.

*Note: Preference will be given to those individuals with a prior college degree. All prerequisites must be complete before an application for enrollment can be considered. Applicants who are not native speakers of English are required to take appropriate tests of language proficiency.*

#### *Prelicensure Clinical Nursing Program Admission Requirements:*

Enrollment into the Pre-Nursing Curriculum and admission into the Clinical Nursing Program is competitive. Students must first be accepted and enrolled into the Pre-Nursing Curriculum. Students who are successful in the Pre-Nursing Curriculum will be allowed to apply for admission for the Clinical Nursing Program. Enrollment in the Pre-Nursing Curriculum is not a guarantee for admission into the Clinical Nursing Program. Students must be at least 18 years of age before beginning the application process or participating in clinical experiences. Students enrolled in the Pre-Nursing Curriculum must successfully pass the Foundations in Nursing Skills performance exam during the pre-nursing term in order to be considered for admission.

Approximately 60 days after enrollment into the Pre-Nursing Curriculum, if qualified, students must apply for admission into the Clinical Nursing Program. To be considered for admission, the following support documentation must be provided as part of the application process:

- Proof of health insurance.†
- Proof of successfully passing of a criminal background check.\*
- Proof of successfully passing a urine drug test.\*
- Proof of a current immunization record and current negative TB test. To see which immunizations are required, please visit <https://www.wgu.edu/admissions/nursing-health-requirements.html>.
- Proof of meeting the specific physical requirements in accordance with the core performance standards of the nursing profession. For examples, please visit <https://www.wgu.edu/admissions/nursing-health-requirements.html>.
- Participation in an interview with an admissions committee comprised of two or three committee members including the State Director of Nursing or designee.

† Student malpractice insurance will be provided by WGU at no cost.

\* Starred items in the list above are required to be completed no sooner than 90 days prior to beginning the clinical portions of this program.

*Application and acceptance into the program is based on available clinical space, successful completion of all pre-nursing term course requirements, and numerical ranking of the above items, including a WGU pre-nursing term mentor recommendation.*



## College of Information Technology Admission Requirements

Degree programs from WGU's College of Information Technology focus on providing the skills, knowledge, certifications, and credentials students need to be a successful IT pro. Below are admissions requirements specific to College of Information Technology programs that are in addition to WGU's general admissions requirements.

[http://www.wgu.edu/admissions/it\\_requirements](http://www.wgu.edu/admissions/it_requirements)

### *Special Requirements for WGU's B.S. Computer Science Program:*

Students must possess a high school diploma or its equivalent and be able to use key calculus principles, rules, and applications while in the B.S. Computer Science program. Students must demonstrate math readiness through successful and verifiable completion of a pre-calculus, calculus, or higher-than-calculus math course from an accredited post-secondary academic institution or WGU-approved third-party provider.

### *Special Requirements for WGU's IT bachelor's degree programs:*

To be considered for enrollment into a College of IT bachelor's degree program, students must possess a high school diploma or its equivalent and demonstrate program readiness through one of the following:

- Option 1: Submit transcripts documenting completion of previous IT coursework (must be 300 level or higher).
- Option 2: Possess a bachelors or associate degree (A.A, A.S. or A.A.S. acceptable) from an accredited post-secondary institution.
- Option 3: Demonstrate at least two years of IT work experience through resume review.
- Option 4: Submit official records of completion of current and active IT certifications, some of which may provide transfer credit into various programs.
- Option 5: *(For applicants to the B.S. in Information Technology, B.S. Network Engineering and Security, B.S. Data Analytics and Data Management, and B.S. in Cybersecurity and Information Assurance)* Submit high school transcripts with a minimum GPA of 2.75 and a B grade or higher in a S.T.E.M. (Science, Technology, Engineering, and Mathematics) course. Only advanced mathematics courses will satisfy this requirement.

### *Special Requirements for WGU's M.S. Cybersecurity and Information Assurance Program:*

- Possess a bachelor's degree in a STEM field, Business degree (Quantitative Analysis, Accounting, Economics, Finance, or degree with similar quantitative focus). OR
- Possess any bachelor's degree PLUS one of the following:
  - Two years of related work experience
  - Relevant and current IT certification
  - Related IT coursework

### *Special Requirements for WGU's M.S. IT Management Program:*

- Possess a bachelor's degree from an accredited institution.

### *Special Requirements for WGU's M.S. Data Analytics Program:*

- Possess a bachelor's degree in a STEM field, Business degree (Quantitative Analysis, Accounting, Economics, Finance, or degree with similar quantitative focus). OR
- Possess any bachelor's degree PLUS one of the following:
  - Two years of related work experience
  - Relevant and current IT certification
  - Related IT coursework

## Teachers College Admission Requirements

The WGU Teachers College is a recognized national leader in online teacher education. Below are admissions requirements specific to Teachers College programs that are in addition to WGU's general admissions requirements (also see Academic Programs section for steps to become a teacher).

*Special Requirements for Programs Leading to Initial Teacher Licensure:*

Students who are seeking initial teacher licensure in a bachelor's or master's program must also pass a state-specific basic skills test for the state in which they live as a prerequisite to Demonstration Teaching (student teaching). Registering and paying for the test is the student's responsibility. This requirement can be met either prior to admission or before beginning the Foundations of Teaching subject area once enrolled in the WGU program.

WGU's teacher licensure programs also include Demonstration Teaching (student teaching). Students must be at least 18 years of age before they may begin the application process or participate in Preclinical Experiences and Demonstration Teaching. Students must also submit to a criminal background check prior to entering the classroom for this component of the program.

*Special Requirements for Programs Leading to Endorsement:*

If enrolled in a program that also includes a special endorsement (for example, the M.A. in Mathematics Education, with an endorsement to teach secondary mathematics) and the student plans to eventually apply for the endorsement, the following are required:

- A copy of a valid teaching license (an Enrollment Counselor will instruct students when and how to submit their teaching license prior to or during their program).
- Official transcripts demonstrating that a bachelor's degree was earned from a recognized, accredited university.

*Additional Requirements for Entry into the M.S. Educational Leadership Program:*

Prior to entry into the M.S. Educational Leadership degree program, students will be required to complete a candidate interview and provide the following:

- Evidence of a bachelor's degree from an accredited institution.
- Proof of a state issued, valid, and unexpired standard professional license.
- A resume showing three years of licensed professional experience in a P-12 setting (excluding probationary, temporary, and substitute teaching experience).
- A confidential recommendation.
- Recent annual summative performance evaluation.

Additionally, students will complete and submit a Practicum Site Agreement (students in select states will use different versions). Documents are available at [http://www.wgu.edu/admissions/tc\\_requirements](http://www.wgu.edu/admissions/tc_requirements).

*Additional Requirements for Entry into M.A. in Teaching Programs:*

To be considered eligible for enrollment into a M.A. in Teaching English Education, Mathematics Education or Science Education degree programs, you must provide official transcripts that demonstrate you have earned a bachelor's degree from a recognized, institutionally accredited (also known as regionally accredited) university AND demonstrate readiness through one of the following:

- Option 1: Content-related undergraduate or graduate degree with GPA of at least 2.5 (or higher, depending upon your state).
- Option 2: Undergraduate or graduate degree with GPA of at least 2.5 (or higher, depending upon your state) and 24-30 hours of content specific coursework, equivalent to a major.
- Option 3: Undergraduate or graduate degree with GPA of at least 2.0 (or higher, depending upon your state), a passing score on the WGU program required basic skills test (e.g., Praxis CORE) and demonstrate content competency via one of the following pathways 1) 24-30 hours of content specific coursework, equivalent to a major OR 2) an undergraduate or graduate degree in a content-related area to which area of program you are seeking admission.

The M.A. in Teaching, Elementary Education and M.A. in Teaching, Special Education degree programs requires a 2.5 minimum GPA (or higher, depending upon your state), or the competency-based equivalent, in your bachelor's program. Applicants with a GPA lower than a 2.5 but a 2.0 or above may seek admission by submitting passing scores from the WGU program required basic skills test (e.g. Praxis CORE). An Enrollment Counselor can help students best determine whether they have the sufficient background for entry into their program of choice.

# State Regulatory Information

Western Governors University monitors developments in state rules and regulations to maintain pathways to opportunities where students reside. If changes to the pathways occur while a student is enrolled, WGU works with the state and notifies the affected students to potential alternative pathways.

## Professional Licensure

WGU regularly verifies licensure requirements in each state for programs that lead to a professional license. For a current listing of licensure information, please see the links below.

*Teacher Licensure* - <https://www.wgu.edu/online-teaching-degrees/state-licensure.html>

*Nursing Licensure* - <https://www.wgu.edu/online-nursing-health-degrees/state-licensure.html>

*Business Licensure* - <https://www.wgu.edu/online-business-degrees/state-licensure.html>

## NC-SARA

Western Governors University is a participating institution of the National Council for State Authorization Reciprocity Agreements ("NC-SARA" or "SARA"), allowing WGU to operate in a number of states/territories based on its approval in the State of Utah. For additional information on NC-SARA, visit <http://nc-sara.org>. After exhausting WGU's Student Complaint Process, the Utah System of Higher Education ("USHE") handles complaints from individuals in states/territories where the university operates (see <https://ushe.edu/office-of-commissioner/state-authorization-ut-sara/>); however, USHE will only consider complaints that were previously unresolved by WGU and may refer a complaint to an agency in another state for investigation.

Complaint Process: <https://cm.wgu.edu/t5/Student-Rights-Responsibilities/Consumer-Complaint-Process/ta-p/160>

If a state or territory is not included below, WGU educates students in those jurisdictions through participation in SARA.

## American Samoa

American Samoa does not regulate distance education. Therefore, approval for WGU to offer distance education programs to students located in American Samoa is not required.

## Arizona

Western Governors University is approved by the Arizona State Board for Private Postsecondary Education. If a student complaint cannot be resolved after exhausting the Institution's grievance procedure, the student may file a complaint with the Arizona State Board for Private Postsecondary Education. The student must contact the State Board for further details: 1740 W. Adams Street, Suite 3008; Phoenix, AZ 85007; (602) 542-5709; Website: [www.azppse.gov](http://www.azppse.gov)

## California

The California Bureau for Private Postsecondary Education does not regulate out-of-state private nonprofit institutions. Therefore, approval for WGU to offer distance education programs to students located in California is not required.

## Guam

The Guam Council on Post-Secondary Institution Certification does not regulate distance education. Therefore, approval for WGU to offer distance education programs to students located in Guam is not required.

## Indiana

Western Governors University, known in Indiana as "Western Governors University Indiana" or "WGU Indiana" was chartered by Executive Order 10-04 of Mitchell E. Daniels, Jr., Governor of the State of Indiana, on June 11, 2010.

## **Missouri**

Western Governors University, known in Missouri as “Western Governors University Missouri” or “WGU Missouri” was established by Executive Order 13-04 of Jay Nixon, Governor of the State of Missouri, on February 15, 2013.

Western Governors University is approved to operate online degree programs by the Missouri Department of Higher Education. Additional information regarding this institution may be obtained by contacting the Department at 301 W. High Street, P.O. Box 1469; Jefferson City, MO 65102-1469; [info@dhewd.mo.gov](mailto:info@dhewd.mo.gov).

## **Nebraska**

Western Governors University is approved to operate in Nebraska by Nebraska's Coordinating Commission for Postsecondary Education. Additional information regarding this institution may be obtained by contacting the Commission at P.O. Box 95005; Lincoln, NE 68509-5005; (402) 471-2847.

## **Nevada**

Western Governors University, known in Nevada as “Western Governors University Nevada” or “WGU Nevada” was established by an Executive Proclamation of Brian Sandoval, Governor of the State of Nevada, on June 16, 2015.

## **North Carolina**

Western Governors University, known in North Carolina as “Western Governors University North Carolina” or “WGU North Carolina” was established on October 5, 2017 through approval by The University of North Carolina System.

The UNC System Office  
910 Raleigh Road  
P.O. Box 2688  
Chapel Hill, NC 27514  
Website: [www.northcarolina.edu/content/contact-us](http://www.northcarolina.edu/content/contact-us)

Student complaints with the state may be submitted to:  
North Carolina Post-Secondary Education Complaints  
c/o Student Complaints  
University of North Carolina System Office  
910 Raleigh Road  
Chapel Hill, NC 27515-2688  
Email: [studentcomplaint@northcarolina.edu](mailto:studentcomplaint@northcarolina.edu)  
Website: <https://www.northcarolina.edu/post-secondary-education-complaints/>

A Tuition Guarantee Bond for North Carolina is held at the office of the president in Salt Lake City, UT and is reviewable upon request to those wishing to see it during business hours.

## **Northern Mariana Islands**

The Commonwealth of the Northern Mariana Islands does not regulate distance education. Therefore, approval for WGU to offer distance education programs to students located in the Northern Mariana Islands is not required.

## **Ohio**

Western Governors University, known in Ohio as “Western Governors University Ohio” or “WGU Ohio” was established on June 21, 2018 through approval by the Ohio Department of Higher Education. Additional information regarding this institution may be obtained by contacting the Department at 25 South Front Street; Columbus, OH 43215; (614) 466-6000; [www.ohiohighered.org](http://www.ohiohighered.org).

## **Tennessee**

Western Governors University, known in Tennessee as “Western Governors University Tennessee” or “WGU Tennessee” was established through a Memorandum of Understanding between Bill Haslam, Governor of the State of Tennessee, and Robert W. Mendenhall, President of Western Governors University, on July 9, 2013.

## **Texas**

Western Governors University, known in Texas as “Western Governors University Texas” or “WGU Texas” was established by Executive Order RP 75 of Rick Perry, Governor of the State of Texas, on August 3, 2011.

Western Governors University is authorized to conduct courses and grant degrees by the Texas Higher Education Coordinating Board. Additional information regarding this institution may be obtained by contacting the Board at 1200 E Anderson Lane; Austin, TX 78752; (512) 427-6101.

## **Utah**

Western Governors University has met the requirements of Utah Code Ann. §13-34a-203 to be a registered postsecondary school, legally authorized by the State of Utah.

## **Washington**

Western Governors University, known in Washington as “Western Governors University Washington” or “WGU Washington” was established by the passing of Substitute House Bill 1822, effective on July 22, 2011, with the approval of Christine Gregoire, Governor of the State of Washington.

# Tuition and Financial Aid

## Tuition and Fees for Degree Programs (Effective August 1, 2021)

WGU charges tuition at a flat rate every term. The more courses a student completes each term, the more affordable their degree program becomes. For more information, visit <https://www.wgu.edu/financial-aid-tuition.html>. All prices below are in U.S. Dollars.

### Applicable to All Programs

Resource Fee: \$145 Per Term

Application Fee: \$65 (One Time)

*Note: WGU does not "profit" from application fees, as they help offset only a small portion of enrollment and admission costs. WGU charges a \$145 Resource Fee each term. This fee helps cover the use of the online library, e-textbooks, and many other learning resources. With few exceptions, required textbooks are available as e-textbooks, so students won't have to purchase hard copy textbooks.*

Transcript order and other potential fees - <https://cm.wgu.edu/t5/Financial-Services/Tuition-and-Fees-Amount/ta-p/57>

### College of Business

Undergraduate Program Tuition: \$3,575 Per Term

Graduate Program Tuition: \$4,530 Per Term

### College of Health Professions

Bachelor of Science, Nursing (RN to BSN) Tuition: \$3,475 Per Term + \$175 Per Term Program Fee

Bachelor of Science, Nursing (Prelicensure) Tuition: \$5,930 Per Term + \$500 Per Term Program Fee\*

Bachelor of Science, Health Information Management Tuition: \$3,475 Per Term + \$175 Per Term Program Fee

Bachelor of Science, Health Services Coordination Tuition: \$3,475 Per Term + \$175 Per Term Program Fee

Master of Science, Nursing (BSN to MSN) Tuition: \$4,240 Per Term

Master of Science, Nursing, Nurse Practitioner Tuition: \$4,250 Per Term + \$1,250 Per Term Program Fee

Master of Science, Nursing (RN to MSN) Tuition: \$3,475 Per Term + \$175 Per Term Program Fee (Undergraduate Portion), \$4,240 Per Term (Graduate Portion)

Master of Health Leadership Tuition or Post-Master's Certificate, Nursing Tuition: \$4,240 Per Term

*All College of Health Professions programs, excluding the BSN (Prelicensure) and Master of Health Leadership programs, require a Health Professions Fee of \$350.*

#### \*B.S. Nursing (Prelicensure) Fees:

- Program Fee: \$500 (per term)
- ATI TEAS Exam: \$115 (at PSI Testing Centers; cost differs at other sites)
- Uniforms: \$146.30 (plus shipping, handling, and applicable taxes)
- Lab kit fees: \$263.09
- Drug Screen, Background Check, and Immunization Tracking System: \$94 - Price includes one alias search. There will be a separate charge for each additional alias search, and due to expenses associated with accessing court documents, the fees for students in the following states will be as follows: MI (\$10), NV (\$12). All fees are subject to change.
- Students may also be required to pay for a doctor's visit for a physical examination and immunizations to fulfill specific admissions requirements.

### College of Information Technology

Bachelor of Science, Cybersecurity & Information Assurance Tuition: \$3,950 Per Term + \$150 Per Term Program Fee

Bachelor of Science, Cloud Computing Tuition: \$3,790 Per Term + \$150 Per Term Program Fee

Other IT Undergraduate Programs Tuition: \$3,625 Per Term + \$150 Per Term Program Fee

Master of Science, Cybersecurity & Information Assurance Tuition: \$4,295 Per Term + \$150 Per Term Program Fee

Other IT Graduate Programs Tuition: \$3,940 Per Term + \$150 Per Term Program Fee

## Teachers College

Undergraduate Program Tuition: \$3,475 Per Term + \$150 Per Term Program Fee

Graduate Programs with Supervised Field Experience Tuition: \$3,490 per term + \$300 Per Term Program Fee\*\*

Other Graduate Programs Tuition: \$3,490 Per Term\*\*\*

\*\*Includes M.A. Teaching, Endorsement Preparation, M.S. Educational Leadership, and M.A. English Language Learning programs.

\*\*\*Includes all M.A. Mathematics Education and M.A. Science Education programs, all M.Ed. programs, M.S. Learning Experience Design and Educational Technology, and the M.S. Curriculum and Instruction program.

*Individuals pursuing a bachelor's or master's degree in science education will be issued a home science lab and be assessed a one-time charge of \$350 (billed separately along with the first term's tuition).*

## **Tuition Payment and Financial Policies**

The Financial Aid Office can be reached by email at [financialservices@wgu.edu](mailto:financialservices@wgu.edu) or by calling 877.435.7948. Hours of operation are weekdays 7 AM to 7 PM MT (closed on weekends).

### WGU Financial Policy

Western Governors University is dedicated to providing the best possible education and service to our students. A complete understanding of financial responsibilities is an essential element of a student's education. The WGU Financial Services office is committed to assisting all student account needs. However, students have the primary responsibility to make sure their tuition is paid on time each term.

### Payment is Required at the Beginning of Each Term

Tuition for the full term is due by the 1st day of each term. Financial clearance is due for new students on or before the 22nd of the month proceeding the first day of the first term. Acceptance of term registration confirms agreement to pay tuition in full. For a small enrollment fee, WGU offers a payment plan for those who cannot pay in full by the required date. To enroll in a payment plan, select the "View Payment Plans" link in the Financial Services section on the Student Support tab of the student portal. Payment or payment plan participation is required by the first day of each new term. Students in an active bankruptcy, prior collection agency placement for a balance due to WGU, or who have a prior payment plan default, are not eligible for a WGU payment plan.

### Payment Deadlines

Payments received or payment arrangements must be completed on the student portal by:

- New student with first term tuition - On the 22nd day of month prior to term start.
- Renewal term tuition - First day of the term.

### Financial Aid

Students have the responsibility to apply for and submit all forms required by the Financial Aid office and be aware of deadlines for submission. Application for financial aid is not a guarantee of funding. In the event students are approved for financial aid and are under-funded or students become ineligible for financial aid funds they are responsible for the financial obligation on their account. Regardless of the status of their financial aid file, it is the responsibility of students to ensure that tuition and fees are paid by the appropriate deadline.

Funds are applied to the student accounts in the following order as needed:

- Federal Pell grant
- Federal Supplemental Educational Opportunity Grant (FSEOG)
- State grants
- Scholarships/Tuition Assistance
- Direct subsidized loans
- Teach grant
- Americorps
- Direct unsubsidized loans



- PLUS loans
- Private loans

### Payment Methods

WGU accepts cash, checks, and web checks/EFT at no additional cost to students. Credit/Debit cards (Visa, MasterCard, Discover, and American Express) are accepted, but a 2.85% card processing fee applies. WGU does not accept post-dated checks. WGU will not hold any check for deposit past the date of the receipt of the check. WGU is not responsible for bank fees associated with the deposit of said check.

To protect students' financial records, WGU does not accept payments over the phone, under any circumstance.

### Refunds

Once eligibility for a refund is calculated, the Financial Services office processes tuition charges and refunds within 30 days, as applicable. Funds reimbursed to students are reimbursed via the original payment method; i.e., payments received via credit card are refunded (less non-refundable convenience fee) to the card used for payment, and payments received via check are refunded via check or direct deposit. To set up your preferred check refund method, please access the 'Select Refund Method' link available on the 'My Account' page in the Student portal. In the case of financial aid recipients, WGU is required to return unearned financial aid to the appropriate grant or loan program based on the Return of Title IV Financial Aid funds calculation, and as a result of this calculation, students may owe WGU a portion of tuition and fees not covered.

All funding sources (i.e., internal and external scholarships, waivers, discounts and grants) will be reviewed and may be subject to a proration calculation. In the case of third-party funds (i.e., employer contributions, government funding, military payments, etc.), if the payment exceeds tuition and fees, WGU will follow any instructions provided by the original payer for the appropriate handling of the refund. If no instructions are provided, the refund will be processed to the original payer. Students are responsible for any portion of the tuition and fees owed, after refunds to all payers.

*Note: For Missouri residents, the application fee is refundable if the applicant terminates the admission process by notifying the Enrollment or Admissions Department within three business days of paying the application fee. The resource fee is billed at the beginning of each term and is refundable if the student terminates enrollment within three business days of the start of the term. After three business days, these fees are non-refundable.*

*Florida residents who enroll in the B.S. in Nursing program are eligible for the refund of an application fee payment (\$65) if the Enrollment Agreement is canceled within three days.*

### Billing and Account Statements

A WGU student account billing notice is generated each time a charge or a charge adjustment is applied to a student account. Billing notices are delivered to myWGU student email accounts. Students may download account statements via the student portal by visiting the Student Support tab in the student portal. Select Financial Services on the left and click "My Account." Scroll to the bottom of the My Account screen to download a term account statement, cumulative account statement, or course cost breakdown.

### Past Due Accounts

Tuition for the full term is due by the first day of each term. Any account not paid in full, awarded financial aid funding or other third-party guarantor, or on an authorized Payment Plan is past due on the second day of the term. Past due accounts may be placed on financial hold for non-payment. Failure to complete payment or payment arrangements with WGU or make payment in full may result in administrative withdrawal.

### Automatic Enrollment Confirmation/Not Attending Cancellation for Renewal Term Students

Students' tuition for renewal terms is automatically charged on the first day of the term. Thus, if a student will not be attending a subsequent term, *it is necessary for the student to notify their Program Mentor* by telephone or email prior to enrollment for the term. Once the student has completed term enrollment with the Program Mentor, the student will be liable for charges incurred.



## Final Term Students

Students in their final term may be eligible for part time enrollment if they do not have enough required units remaining to be full-time. All Students will have their tuition adjusted by the number of competency units enrolled in a term, not by time attended within a term. For an estimate of prorated tuition, please refer to the student handbook article - <https://cm.wgu.edu/t5/Financial-Services/Tuition-Information-for-Part-Time-Enrollment/ta-p/107>

## Returned Checks

Payment of tuition or fees with a check that is subsequently returned as unpaid from the bank results in a returned check fee. A student may not satisfy a returned check obligation with a personal check. After two returned checks, WGU will no longer accept a personal check for payment on a student's account. All future payments must be made via credit card (which will incur a 2.85% convenience fee) or money order. Failure to clear a returned check taken in payment for tuition or fees results in administrative withdrawal from WGU. Once this action is taken, students cannot be reinstated for the term, but will owe prorated portion of the charges for tuition in addition to other collection costs and charges necessary for the collection of the returned check. A student may apply for re-enrollment for the following term when all balances are resolved.

## Delinquent Accounts

Failure to meet financial obligations of any kind to the university may result in a financial hold and suspension of future services including enrollment for subsequent terms. In addition, delinquent accounts may be referred to a collection agency. Students are responsible for additional late payment charges, interest, attorney's fees, other reasonable costs, and charges necessary for the collection of any amount not paid when due.

## **Student Financial Aid Requirements**

[http://www.wgu.edu/tuition\\_financial\\_aid/financial\\_aid](http://www.wgu.edu/tuition_financial_aid/financial_aid)

WGU is approved by the U.S. Department of Education to offer federal student aid in most of our programs. Because of our more affordable tuition, WGU students are able to graduate without large amounts of student debt to repay. If students qualify for and accept federal student aid, it will cover most, if not all, direct education expenses. Financial aid can be used for tuition and fees (including electronic learning materials), textbooks, technology, room and board. A complete list of allowable expenses is listed in the Cost of Attendance Policy.

To receive consideration for any federal student aid program, students must first file the Free Application for Federal Student Aid (FAFSA) at <https://studentaid.gov/h/apply-for-aid/fafsa>. When students fill out the FAFSA, they are applying for aid for a specific year; therefore, they will need to renew the FAFSA application each award year.

Most WGU students qualify for at least one type of federal aid. To be eligible for federal student aid (grants, loans, and work-study funds), students must meet the following requirements established by the U.S. Department of Education:

- demonstrate *financial need* (for most programs);
- be a U.S. citizen or an *eligible noncitizen*;
- have a valid Social Security number (with the exception of students from the Republic of the Marshall Islands, Federated States of Micronesia, or the Republic of Palau);
- be registered with Selective Service, if you identify as male (you must register between the ages of 18 and 25);
- be enrolled or accepted for enrollment as a *regular student* in an eligible program;
- be enrolled at least half-time to be eligible for Direct Loan Program funds;
- maintain *satisfactory academic progress*;
- sign the certification statement on the *Free Application for Federal Student Aid (FAFSA®)* form stating that
  - you are not in default on a federal student loan,
  - you do not owe money on a federal student grant, and
  - you will use federal student aid only for educational purposes; and
- show you're qualified to obtain a college education by
  - having a high school diploma or a recognized equivalent such as a *General Educational Development (GED) certificate*;
  - completing a high school education in a homeschool setting approved under state law (or—if state law does not require a homeschooled student to obtain a completion credential—completing a high school education in a homeschool setting that qualifies as an exemption from compulsory attendance requirements under state law); or

- enrolling in an eligible career pathway program and meeting one of the "ability-to-benefit" alternatives described at <https://studentaid.ed.gov/sa/eligibility/basic-criteria#ability-to-benefit>.

## **Satisfactory Academic Progress**

<https://cm.wgu.edu/t5/Academic-Requirements/Satisfactory-Academic-Progress-SAP/ta-p/140>

Federal regulations require that all students who receive federal student aid funds maintain satisfactory academic progress (SAP). It is a measure of student progress toward the completion of a degree and is assessed by qualitative (grade-based) and quantitative (time-based) measures. WGU evaluates these measures at the end of each completed payment period or term in the student's academic program and at the time of withdrawal from the university.

The university defines demonstrating a competency (a grade of "pass") as a grade equivalent to a "B" or better (3.0 on a 4-point scale). Students receive a mark of "pass" or "not passed" on their permanent academic record for any courses for which they enroll in a term, regardless of whether they attempt an assessment. Students who are withdrawn from the university or course before term completion may receive a "withdrawn" grade. A course with a grade of "not passed" or "withdrawn" is considered as a failed course and is counted against SAP.

A quantitative measure is the completion of 66.67% of all competency units attempted. This percentage is determined by dividing the number of competency units completed by the total number of units for which a student enrolled cumulatively over the student's academic career at WGU. Completing at least 66.67% of all competencies means the student is on track to complete the program within the required 150% of the published length of the program measured in competency units.

### Maintaining Satisfactory Academic Progress

To maintain good standing for SAP, students must achieve an overall minimum cumulative pass rate of 66.67% for all competency units attempted and completed.

The Higher Education Act requires a specific qualitative review at the end of the student's second academic year. Students enrolled in a program of more than two academic years must have at least a "C" or its equivalent, or have an academic standing consistent with WGU's graduation requirements. In addition, a student is ineligible when it becomes mathematically impossible for the student to complete their program within 150% of the length of the program.

### Transfer Credits from Other Institutions

Students who are granted transfer credits to WGU that count toward the student's current program of study are included in both attempted and completed when measuring SAP.

### First-Term Critical Actions

New students at WGU who do not complete one of the defined "first-term critical actions" within 45 days from the first term start date will be administratively withdrawn. The incomplete first-term critical action is excluded from both attempted and completed when measuring SAP. For more information on first-term critical actions, see the student handbook - <https://cm.wgu.edu/t5/Academic-Technical-Requirements/First-Term-Critical-Actions/ta-p/11989>.

### Program Change

A change in program of study will not affect a student's SAP standing provided the new program is in the same credential level as the old program and transfer credit is not added or removed. Students requesting re-entry into the university will return with the SAP status calculated at the time of withdrawal unless a program change is requested that results in awarding additional transfer credit or removing transfer credit. The university will include coursework taken by the student for enrollment in other majors or programs when calculating cumulative SAP. However, if the credential level of the new program is different from the old program (e.g. Bachelor's degree program into Master's degree program or vice versa), the student will begin as a first term student with a new SAP history.

For more information on program changes, multiple programs, and stacked degree and credential programs, please refer to the student handbook using the SAP link above.

## Financial Aid Warning

Students who fail to maintain SAP are placed on "warning" and may be terminated from federal financial aid eligibility according to the following criteria:

### *First Term Students\**

- First term students who finish their first term with a cumulative SAP of less than 50% are automatically terminated from federal financial aid.
- First term students who complete at least 50% of attempted competency units, but fail to complete the 66.67% required for good standing for SAP are placed on warning for the following term and remain eligible for financial aid.

*\*Note: First term students include WGU graduates in the first term of an additional degree.*

### *Continuing Students\*\**

- Continuing students who begin a term in good standing whose cumulative SAP falls below 66.67% but not lower than 50% are placed on warning for the following term and remain eligible for financial aid.
- Continuing students who begin a term in good standing whose cumulative SAP falls below 50% are automatically terminated from financial aid without a warning term.
- Students in a warning term who achieve a cumulative completion rate of at least a 66.67% are returned to good academic standing.
- Students in a warning term who end the warning term with a cumulative completion rate below 66.67% SAP are terminated from financial aid eligibility.

*\*\*Note: Continuing students are those that are enrolled beyond the first term.*

Students who are terminated from financial aid eligibility may continue their studies at WGU but are required to self-pay and make payment arrangements through the Student Accounts office.

In the case of extenuating circumstances, students may appeal their termination status to the Financial Aid Appeal Committee. Please refer to the student handbook for instructions regarding financial aid termination and appeal, financial aid probation, and financial aid reinstatement.

## Student Notification

The university notifies students of the results of any SAP evaluation affecting the eligibility for FSA funds for the entire payment period.

## Scholarship and Grant Recipients

Most scholarships and grants do not allow for a warning term. Failure to meet SAP in any given term can result in termination of scholarship or grant funds. Please refer to the scholarship or grant materials or contact the scholarship department at [scholarships@wgu.edu](mailto:scholarships@wgu.edu) for additional information.

## **Scholarships**

Scholarship awards issued by Western Governors University are financial awards provided to students to help them meet a portion of their tuition costs. Awards are limited to the amount of each scholarship, and depending on the amount, the scholarship may or may not cover all tuition and fees. Students are responsible for paying any tuition charges not covered by their scholarship. Unused scholarship monies will not be refunded to students.

Scholarship terms - <https://cm.wgu.edu/t5/Financial-Services/Scholarship-Terms-and-Conditions/ta-p/67>  
Scholarship list - <https://www.wgu.edu/financial-aid-tuition/scholarships.html>

## **Refund and Cancellation Policy**

<https://cm.wgu.edu/t5/Registration-Student-Records/Institutional-Withdrawal-Refund-Policy/ta-p/87>

Students with a withdrawal date up through the completion of 60% of a term are eligible for a refund of a prorated portion of tuition. Students with a withdrawal date occurring after 60% of the term is completed are not eligible for a refund. The admission application fee, resource fee, and program specific fees are non-refundable.

## Determining Withdrawal Dates

Withdrawal dates are determined in two ways, either through official withdrawal or through administrative withdrawal. Official withdrawal is a student's voluntary withdrawal due to inability to continue their studies at WGU regardless of the cause of such inability. Administrative withdrawal is the involuntary dismissal from WGU due to failure to meet academic or other requirements.

Official withdrawal: The withdrawal date is the date a student notifies the university of their final decision for withdrawal. Administrative withdrawal: The withdrawal date is the last date of the student's academic activity within an enrolled term.

## Calculating the Refund

Students who withdraw before completing 60% of a term (the number of calendar days from the official term start date to the withdrawal date, divided by the total number of calendar days in the term) are eligible for a prorated refund of tuition. The amount of the tuition refund is calculated by multiplying tuition billed for the term (less any tuition discounts) by the percentage of the term the student was not enrolled and subtracting the amount of tuition already paid. For example, a student who withdraws halfway (50%) through a term and has paid \$2000 of a \$3000 total tuition charge would be entitled to a refund of \$500 ( $(\$3000 * 50\%) - \$2000 = -\$500$ ).

## Refunds

Once eligibility for a refund is calculated, the Financial Services office processes tuition charges and refunds within 30 days, as applicable. In the case of financial aid recipients, WGU is required to return unearned financial aid to the appropriate grant or loan program based on the Return of Title IV Financial Aid funds calculation, and as a result of this calculation, students may owe WGU a portion of tuition and fees that are not covered. Funds reimbursed to the student are reimbursed via the original payment method; i.e., tuition paid by check is refunded by check, and tuition paid by credit card is refunded by credit card (less non refundable convenience fee).

All funding sources (i.e., internal and external scholarships, waivers, discounts and grants) will be reviewed and may be subject to a proration calculation. In the case of third-party funds, i.e., employer contributions, government funding, military payments, etc., if the payment exceeds tuition and fees, WGU will follow any instructions provided by the original payer for the appropriate handling of the refund. If no instructions are provided, the refund will be processed to the original payer. Students are responsible for any portion of the tuition and fees owed, after refunds to all payers.

## Tuition Appeal

In the case of exceptional circumstances where students are not entitled to a refund under the policies outlined above, students may make an appeal for tuition considerations by submitting a formal complaint containing a written explanation of circumstances that warrant an exception to the published refund policy. Exceptional circumstances might include incapacitating illness or injury. Supporting documentation to verify exceptional circumstances is required. Disciplinary action imposed on a student due to violations of the Code of Student Conduct is not considered valid grounds for tuition appeal. For more information, visit <https://cm.wgu.edu/t5/WGU-Student-Policy-Handbook/Student-Complaint-and-Grievance-Policy/ta-p/194>.

# Academic Policies

## Credit Transfer Guidelines

<https://www.wgu.edu/admissions/transfers.html>

*WGU does not grant credit for prior training or experience. However, students who enter with significant experience in their field of study may be able to pass some of the required WGU assessments on an accelerated schedule. Transfer guidelines are described below in excerpts from the WGU website.*

### General Transfer Guidelines

- For undergraduate programs, a personal evaluation of transcripts from previously attended institutions will be needed to determine whether a student will be able to use transfer credits to clear any degree requirements. See below for more specific guidelines.
- WGU accepts limited college transfer credits at the graduate (master's) level in only a few programs: M.S. Nursing and Master of Health Leadership. Transfer credit into the M.S. Nursing and Master of Health Leadership programs will only be considered for new students beginning their program on February 1, 2021, and beyond. Transfer credit is not accepted in all other master's programs.
- Send bachelor's degree transcripts for proof of completion of a bachelor's degree.
- WGU will not complete unofficial transcript evaluations. Speaking to an Enrollment Counselor will allow students to get a general idea of what might be able to transfer, but students will be required to submit official copies of their transcripts for an official evaluation.
- To have an official transcript evaluation completed, students will need to complete the online application form and pay the application fee.

### Completed Courses or a Degree

- If students hold an Associate of Arts (AA), Associate of Science (AS), Associate of Applied Arts (AAA), or Associate of Applied Science (AAS) from an institution that is recognized as accredited by the U.S. Department of Education, they should satisfy most of the lower-division general education requirements for a bachelor's degree in business or information technology. For all programs, a course-by-course evaluation is required for college credit transfer unless the transfer institution is a partner institution to WGU (see Transferring from a Community College below).
- If students have completed college courses but not earned a degree of any type, they may satisfy some degree requirements through a course-by-course transcript evaluation.

### Transferring from a Community College

WGU maintains relations with many community colleges throughout the United States. Students transferring from a U.S. community college can expect a comprehensive transfer policy. Information about community college transfers is available at <https://www.wgu.edu/admissions/transfers/community-college.html> and <https://partners.wgu.edu>.

### Transcripts

The Transcripts Department must receive official transcripts by the 1st of the month prior to the intended start date of the program. It is a student's obligation to request official transcripts from previous institutions. WGU encourages students to request transcripts as soon as possible.

Official transcript copies can be submitted by mail or email ([transcriptinfo@wgu.edu](mailto:transcriptinfo@wgu.edu)):

Western Governors University  
ATTN: Transcripts Department  
4001 South 700 East, Suite 300  
Salt Lake City, UT 84107-2533

For more information, see <https://www.wgu.edu/admissions/transfers/transcript-request.html>.

## Other Transfer Guidelines

For specific program transfer guidelines please see <https://partners.wgu.edu/transferguidelines>.

## Transferring from WGU

WGU students transferring to another institution from WGU should keep in mind the following points:

- All institutions reserve the right to determine their own transfer policies, and not all academic work completed at one institution may transfer to another.
- Students should check the transfer policies at the institutions they are considering by consulting with the admissions or registrar's office at those institutions.
- Students who transfer should request that the WGU registrar send an official transcript to the institutions where they are applying for admission.
- The WGU transcript will note subject areas (courses) that were successfully completed. WGU transfer credits and equivalencies for the completed courses will be listed.

## **Term Registration and Enrollment**

WGU starts a new term on the first day of every month and the duration is six calendar months in length. Students may only be enrolled in a single term and are considered enrolled and active once term enrollment has been established. Students register prior to a term by working with their Program Mentor to set a plan of courses to be completed. Students then accept enrollment for the term on or after the first day of the new term. The term enrollment process is important because by accepting enrollment, the student is agreeing to pay tuition in full, complete the courses by the end of the term, and adhere to the Academic Activity Policy.

As part of the term planning process, the student will complete the course planning tool for each course for which they are planning to register. During term registration, the student and Program Mentor will use the course planning tool report, as well as information about the student's schedule and needs, to make a Term Plan that includes start and end dates for each course in the term. The student will select these dates with their Program Mentor to help set a pace that will ensure the student can complete the enrolled courses by the end of the term. Because starting courses in a timely fashion is essential to staying on pace, each student should work with their Program Mentor to set a Term Plan and accept enrollment by the 7th day of each term.

Term enrollment must be completed no later than the 10th day of the start of the term for continuing students and the 20th day of the start of the term for new students. Students who do not complete registration and enrollment for the new term by these deadlines are administratively withdrawn from the university. First term students must also complete one of the First Term Critical Actions within 45 days of the start of their first term to avoid administrative withdrawal. Once term enrollment is established, students are considered enrolled for the term and are responsible for tuition charges. Once students have enrolled in a term, they are committed to the courses and changes to enrollment will not be processed.

Academic Activity Policy - <https://cm.wgu.edu/t5/Academic-Requirements/Academic-Activity-Policy/ta-p/11641>

Course Planning Tool - <https://cm.wgu.edu/t5/Registration-Student-Records/Course-Planning-Tool/ta-p/18853>

First Term Critical Actions - <https://cm.wgu.edu/t5/Academic-Requirements/First-Term-Critical-Actions/ta-p/11989>

## Working Ahead or Accelerating Courses

Students may accelerate their studies by adding additional courses from their active program to their current terms once they have successfully completed all term requirements (original term enrollment). Students who choose to add additional courses to a term should discuss course acceleration in detail with their Program Mentor. Students should complete the course planning tool for a course before accelerating the course.

## Marks of Not Passed

Students are responsible for making sure they complete all courses for which they are enrolled in a term. A mark of Not Passed becomes part of the permanent academic record and transcript for all enrolled courses that are not attempted, not completed and not passed. A mark of Not Passed will count against satisfactory academic progress. Refer to the Satisfactory Academic Progress (SAP) Policy and the Incomplete Course Policy. A student's academic history will not be altered due to changes in program or course updates. Any changes or updates to the degree plan due to a program



change or course change does not negate the student's responsibility to complete all courses in term enrollment. Courses appearing on the transcript as Not Passed will not be altered should a student decide to pursue a program change or course update. Some academic changes may result in a permanent unresolved not passed on a student's academic history and WGU transcript.

SAP Policy - <https://cm.wgu.edu/t5/Academic-Requirements/Satisfactory-Academic-Progress-SAP/ta-p/140>

Incomplete Course Policy - <https://cm.wgu.edu/t5/Registration-Student-Records/Incomplete-Course-Policy/ta-p/82>

#### Passing Vendor Assessments/Certifications not Enrolled in Current Term

Students who attempt and pass a course with a vendor assessment(s)/certification(s) without enrolling in that course in the term shall receive the grade of 'Requirement Satisfied' (RS). Students who attempt a course-related vendor assessment(s)/certification(s), or take any other third-party assessment (e.g. PRAXIS) without course enrollment and/or referral through WGU's assessment scheduling procedures will not have the cost of the exam/voucher(s) paid nor reimbursed by WGU.

#### **Attendance Policy**

WGU does not have an institutional attendance policy. Progress is governed by successfully completing assessments that demonstrate mastery of the required competencies. Students engage in a variety of learning resources to build competence and prepare for the assessments. In most cases, these learning materials are independent learning resources such as textbooks, e-learning modules, study guides, simulations, virtual labs, and tutorials.

#### Communication Protocol

WGU programs are designed for regular interaction between a student and Program Mentor throughout a term. Regular, course-focused communication with the Instructor throughout a course is also expected.

During the first term, a student meets the Program Mentor by phone on a recurring basis to discuss program and course content, pacing, and other academic needs, with an overarching focus on developing consistent engagement with learning resources, Instructors, and assessments. A student who demonstrates consistent engagement in the first term (by completing all enrolled CUs, or steady progress toward course completion through consistent learning resource and faculty interactions) will earn more flexibility in future communication with their Program Mentor. The frequency and format (e.g., email, chat, or other media) of these communications will be mutually agreed upon by the student and Program Mentor and can be adjusted as needed to help the student maintain OTP and consistent academic activity. Students who fail to demonstrate consistent engagement after the first term will collaborate with their Program Mentor to develop an individual plan designed to promote and sustain academic progress. Minimally, this plan will include recurring phone communication with the Program Mentor to develop study and time-management strategies and the identification of academic milestones and is expected to include one-to-one work with an Instructor for content mastery.

Students are entitled and encouraged to contact Program Mentors and Instructors as often as needed and can expect that any interaction with these faculty members will focus on mastery of course content, program content and academic progress. Students should also expect to be contacted by Program Mentors and Instructors to provide instruction, support and guidance throughout a term and course.

If a student misses a scheduled call, the Program Mentor will immediately send an email to the student to reschedule the appointment. Students who fail to respond to this email or other outreach within 14 days of their last phone contact with Faculty will be required to meet with their Program Mentor to develop a plan for the immediate resumption of their studies, including Program Mentor interactions. A student who fails to respond to their Program Mentor within 20 days may be administratively withdrawn from the university. This protocol applies with equal force to phone calls, messages and other contacts which require a student response made by a Program Mentor outside of a scheduled interaction, or by an Instructor.

#### **Academic Progress**

Western Governors University helps students achieve their dreams for a degree and career success by providing a personal, flexible, and affordable education based upon real-world competencies. WGU takes an active interest in students' progress through their academic programs and requires students to make measurable advancement toward completion of their degree program each term. With this in mind, the university has established the following policies:

On-Time Progress (OTP): Students completing a minimum of 12 competency units (CUs) at the undergraduate level, and 8 competency units at the graduate level, are considered to be making on-time progress toward graduation.

Lack of Progress: Within a term, undergraduate students who complete less than 3 competency units, and graduate students who complete less than 2 competency units, will be administratively withdrawn from the university at the end of the term. Additionally, students who are readmitted to the university and fail to complete the minimum requirements described above will be administratively withdrawn at the end of the term and will not be eligible for readmission.

Academic Progress Appeals: A student may appeal an administrative withdrawal for lack of academic progress by emailing [records@wgu.edu](mailto:records@wgu.edu) from their WGU email address. Students must submit their appeal from their WGU email address between the 25th of the final month of the term and the 5th of the following month. A student who is administratively withdrawn for lack of academic progress may appeal for readmission for a start date no sooner than six months from their effective withdrawal date. Readmission is not guaranteed.

Appeals should be titled "Academic Progress Appeal." The appeal must include the following information along with any other details the student feels should be considered:

- Clearly state the reasons that the academic progress requirement was not met.
- Detail a plan for success in the new term if allowed to remain enrolled.

Administrative Withdrawal - <https://cm.wgu.edu/t5/Registration-Student-Records/Withdrawal-Administrative/ta-p/84>  
Readmission Following Withdrawal - <https://cm.wgu.edu/t5/Admission/Readmission-Following-Withdrawal/ta-p/143>

### Academic Activity Policy

In addition to the requirements of the Academic Progress policy, students are expected to demonstrate consistent engagement with their studies throughout each academic term. Activities demonstrating academic engagement include:

- Discussion of course content with an Instructor
- Live academic conversation with a Program Mentor
- Completing course planning tools
- Activating a course by clicking the Start Course button
- Completing pre-assessments
- Completing objective assessments
- Submitting a performance assessment task for evaluation
- Attending a faculty-led live event, such as a webinar
- Use of course learning resources
- Viewing recorded faculty-led live events
- Viewing a course-related academic video

Students who are not academically engaged for a period of 14 days may be required to meet with their Program Mentor to develop a plan for the immediate resumption of their studies, to include reengagement with course learning resources and/or meeting with an Instructor. Students who demonstrate 28 days of inactivity will be subject to administrative withdrawal. An academically inactive student will be notified prior to withdrawal.

### First-Term Critical Actions

First-Term Critical Actions are academic activities that are highly correlated with student success in the first term (and each successive term). \*New students accordingly, are required to engage in at least one of the following academic activities in at least one registered course during the first 45 days of their first term:

- Completion of a Preassessment
- Completion of an Objective Assessment
- Submission of a Performance Assessment Task

*Note: If a performance assessment task is returned without an evaluation (as expressed in a comment accompanying the returned task), the submission does not count as a Critical Action. If an evaluation is completed, the submission will count as a Critical Action whether the submission passes or is returned for revision. If a task is subject to an Academic Authenticity evaluation, a case-by-case determination may occur on whether the submission will count.*

\*Readmission students or Continuing Graduates are not considered new students and this policy does not apply.



Students who do not complete at least one of the requirements listed above will be administratively withdrawn after the 45th day and will receive a prorated tuition refund in accordance with WGU's Refund Policy. Any activity that occurs before the first day of the term or after the 45th day cannot be considered a Critical Action. Students administratively withdrawn under this policy will receive the transcript notation of "Dropped" on all registered courses.

Students will receive multiple email notifications if they are approaching the Critical Action deadline. Appeal information is available at <https://cm.wgu.edu/t5/Academic-Requirements/First-Term-Critical-Actions/ta-p/11989>.

## WGU Grading System

WGU Transcripts include the following marks:

- **Pass:** Certifies successful completion of a course of study. A student has demonstrated required competencies by passing the final assessment with a grade equivalent of B or better or 3.00 grade points on a 4.00 scale.
- **Not Passed:** Indicates that a student failed to complete a course of study in the time allotted. To meet program requirements, the student generally re-enrolls for the course of study in a subsequent term.
- **Requirement Satisfied:** Recognizes that a student has satisfied the requirements of a course of study through alternate coursework that may not be directly transferred.
- **Transfer:** Signifies that the student has completed equivalent coursework or holds certifications or licenses that comply with Western Governors University transfer credit policies.
- **Withdrawn:** Represents that the student was withdrawn from the university or course before term completion.
- **Dropped:** Verifies that the course was dropped from term registration and is not included in attempted units.
- **Incomplete:** Indicates an arrangement between the university and the student to complete the course at a later date. The entirety of the coursework has not been completed and/or the final assessment has been deferred.

The university does not calculate a grade point average (GPA), but its grading scheme means students receive between a 3.0 and 4.0 on a 4.0-scale.

Grades are transcribed upon completion of a course of study. A course(s) of study in progress will not appear on the transcript until the end of a term.

*Note: Students receive a grade of Pass, Not Passed, Dropped, or Withdrawn on their permanent academic record and transcript for any course(s) of study for which they enroll in a term, regardless of whether they attempt an assessment. An earned Pass or Not Passed is not replaced with a grade of Withdrawn. Grades of Not Passed and Withdrawn are counted as units not completed and, as such, are counted against satisfactory academic progress.*

## Degree Plan

The degree plan, accessed via the my.wgu.edu student portal, serves as a student's blueprint of program requirements (often called the standard path) and associated learning resources. The degree plan details all of a student's program requirements and allows students and Program Mentors to work together in planning the path to graduation. The degree plan displays the course details (including status, study plan, competencies covered, competency units, and assessment/preassessment information) and start and end dates. Students access learning resources and make requests to schedule objective assessments or begin performance assessments inside a course on their degree plan.

The standard path through a student's degree plan may be adjusted by the student and Program Mentor to meet the student's individual needs during term enrollment. Students must be enrolled at least full time (12 competency units for undergraduate students and 8 for graduate students). Once term enrollment is complete courses may not be removed. Students, in consultation with their Program Mentor, may add additional courses to the term through the end of the fifth month of the term. Courses will not be added until students have completed the original enrolled courses and then courses may be added as time allows. Because students must complete all courses for which they are enrolled, they should be sure they are prepared to take and pass all the courses for which they enroll. Students who enroll in a course and either do not attempt or do not complete the course will receive a mark of Not Passed on their academic transcript.

Students who fail to establish term enrollment within the first 10 days of the new term or who cease all activity are deemed inactive and are administratively withdrawn from the university.

The degree plan is the map to the assessments students need to complete and the learning resources they can use to prepare. The degree plan includes details of the term; assessment types, statuses, and associated learning resources; access to pre-assessments; and required completion dates. Specifics will be described in detail by the Program Mentor and established during the first few weeks of the program.

For more information on degree plans, visit <https://www.wgu.edu/admissions/student-experience/degree-plan.html> or for assessments, visit <https://www.wgu.edu/admissions/student-experience/assessments.html>.

### Courses of Study

The degree plan lists the courses of study required to complete an academic program. A course of study is comprised of five important aspects:

- Defined competencies students are required to demonstrate
- Learning resources needed to gain the competencies
- Program Mentor and Instructor guidance during the development of the competencies
- Participation in a learning community centered on the competencies
- The assessments of the competencies

Each course of study is assigned a number of competency units (CUs).

### Learning Unit

One (1) competency unit (CU) is equivalent to one (1) semester credit of learning. A CU is the value assigned to each assessment to permit tracking of academic progress. Traditional classroom learning is based on the Carnegie Unit where a credit hour is the equivalent of one clock hour of learning (generally considered 50 lecture minutes) per week over the course of a 15-week semester. WGU competency units (CUs) are equivalent to semester hours at other institutions. For example, one (1) CU equals one (1) semester hour of credit. In other terms, using the metric of three (3) semester hours equaling 45 clock hours, one (1) CU is the equivalent of 15 clock hours. This equivalency has been accepted by our external regulators and by other universities (for transfer of credits). WGU transcripts show the number of CUs assigned to each course.

### Term Enrollment

Term enrollment is the process of choosing courses and verifying enrollment for the term of study. During term enrollment, students and their Program Mentor will map out which assessments to complete and the time frame in which to do so by established start and end dates. Program Mentors will schedule at least the minimum number of competency units required for full-time enrollment (12 units for undergraduate students, 8 units for graduate students). On-time progress is based on how term enrollment is set each term.

### Start and End Dates

To help students plan their progress through the term and to set a study schedule and calendar, students and their Program Mentors will set start and end dates for each course. With these dates, students can plan how to accelerate or where to spend more time in getting ready to demonstrate competency in an assessment area.

### **Computer Requirements**

Students should use the following technical requirements to guide their selection of a technology package for use during their academic program at WGU. Systems purchased new within the past two years will typically come with the following recommended features. Students can check the technical readiness of their computer system by using the WGU System Check tool to ensure they meet university requirements.

[https://www.wgu.edu/admissions/computer\\_requirements](https://www.wgu.edu/admissions/computer_requirements)

#### Hardware Requirements

- 2 GHz processor or faster
- High-speed internet connection with minimum upload and download speeds of 3 Mbps
- 4 GB RAM or greater
- 64 GB system storage or larger
- Built-in or external speakers (Hard-wired or Bluetooth speakers are acceptable)

*Note: Online Proctored Assessments will require a minimum of 3 Mbps internet connection.*

#### Supported Operating Systems

- Windows 8.1 or higher\* (College of Business undergraduates must have Windows 10 or higher)

- MacOS 10.13 or higher

*\*Microsoft is no longer supporting Windows 8. For those currently using Windows 8, a free upgrade to 8.1 is available.*

#### Unsupported Operating Systems

- Chrome OS
- Linux
- Unix

*Note: Google Chromebooks, tablets (Nexus, iPad, Tab, Note, etc.), Windows 10 S or Surface RT, smartphones, Linux, and virtual machines are not allowed during online proctoring for objective assessments.*

#### Software Requirements

- Microsoft Office 2016 or 365 (using the license and software suite provisioned by WGU to all students)
- WGU recommends that students have an up-to-date antivirus program

#### Supported Browsers

- Google Chrome
- Mozilla Firefox
- Apple Safari

#### Multimedia Apps and Plugins

- Adobe Reader or PDF reader of choice
- Adobe AIR

*Note: WGU strongly encourages up-to-date browser versions which incorporate security fixes and newer technologies, resulting in a better user experience.*

#### External Webcam

Students are required to obtain an external web camera that meets certain technical specifications. A laptop's integrated camera does not meet these requirements. Cameras MUST BE external and elevated to achieve required viewing angle. Recommendations and specifications are listed in the student handbook (<https://cm.wgu.edu/t5/Academic-Requirements/Computer-System-and-Technology-Requirements/ta-p/78>).

#### Technology Recommendations

WGU students are required to use a number of third-party learning resources. System requirements for these resources vary widely by program and assessment and may differ greatly from those listed above. Information Technology students, in particular, may need to install specific applications that require a more powerful computer or a specific operating system. If a student is concerned that their computer may not meet the minimum requirements for any third-party learning resource or specific applications in the degree program, contact Student Services or the Service Desk for more information.

#### **Student Accessibility Services**

<https://cm.wgu.edu/t5/Student-Services/Policies-and-Procedures-for-Students-with-Disabilities/ta-p/151>

Western Governors University is committed to providing equal access to its academic programs to all qualified students. The University's Student Accessibility Services supports this commitment by providing support, resources, advocacy, collaboration, and academic accommodations that conform to federal and state statutes and regulations.

WGU complies with the Americans with Disabilities Act of 1990 (the "ADA"), the Rehabilitation Act of 1973, and other applicable disability discrimination laws. WGU is committed to providing reasonable accommodation(s) to qualified disabled applicants and learners in WGU programs and activities as required by applicable law.

The determination of reasonable accommodation(s) for qualified students with disabilities, and compliance with the ADA and the Rehabilitation Act, are the responsibility of WGU Student Accessibility Services. Student Accessibility Services is the principal point of contact for all students with disability questions or concerns ([ADAsupport@wgu.edu](mailto:ADAsupport@wgu.edu)).

WGU encourages current and prospective students needing accommodation(s) and/or resources to contact Student Accessibility Services for assistance. Student Accessibility Services will respond to requests for accommodation(s) in accordance with the Policies and Procedures for Students with Disabilities published in the student handbook.

WGU complies with applicable laws concerning the confidentiality of disability-related health information and it is committed to ensuring that all information regarding student health remains appropriately confidential; only Student Accessibility Services has access to student health information. Student Accessibility Services retains student health and accommodation information for the length of a student's enrollment at WGU. If a student wishes to have a record deleted during their enrollment, they must send a written request to Student Accessibility Services. Students may authorize the release of disability information to people or organizations outside of WGU. Before providing such authorization, students should understand the nature of the information to be released and the purpose. WGU may infrequently be required by law to disclose disability information without student consent.

## **Student Complaint Process**

The student complaint policy provides guidance on proper avenues for addressing university-related concerns. A complaint is an expression of dissatisfaction arising from a student's experience with or treatment by university personnel or policies. A grievance is a complaint based on a perceived unfairness or discrimination. Academic and financial appeals (i.e. issues related to competency assessments, academic progress, academic outcomes, financial aid, payments, etc.) are NOT considered complaints and should be handled through the processes published by the relevant departments. Please see student handbook article on Academic and Financial Appeals Information for a listing of university appeals processes (<https://cm.wgu.edu/t5/Student-Rights-Responsibilities/Academic-and-Financial-Appeals-Information/ta-p/19084>).

If a complaint involves any type of alleged discrimination or harassment in violation of the WGU Equal Opportunity, Harassment, and Nondiscrimination Policy and Grievance Processes or the student wishes to remain anonymous, the student or any other offended party may immediately make a formal complaint to the Title IX Coordinator per the process outlined in the policy or through Speak Up WGU™.

<https://cm.wgu.edu/t5/Student-Rights-Responsibilities/Equal-Opportunity-Harassment-and-Nondiscrimination-Policy-and/ta-p/30767>

Speak Up WGU™ online reporting site: [www.speakupwgu.ethicspoint.com](http://www.speakupwgu.ethicspoint.com)  
Speak Up WGU™ hotline number: 1-(844) 838-1102

The full complaint policy (with information on student ombuds, informal complaints, formal complaints) can be viewed here: <https://cm.wgu.edu/t5/Student-Rights-Responsibilities/Student-Complaint-and-Grievance-Policy/ta-p/194>

## **Academic Authenticity**

Students are provided the following policy in the student handbook regarding the authenticity of their work:

WGU holds, as a core value, that respect for ideas and intellectual property rights is a critical value in academic communities. All university community members share responsibility in ensuring that the authentic expression of those ideas is observed.

"Academic Authenticity" means the ethical completion of WGU coursework. Examples include appropriately attributing text, pictures, tables, and graphs used in coursework to the creators, and each student completing their own coursework. Academic Authenticity is fundamental to the educational process at WGU.

The following policies apply to all WGU students and assessments regardless of location, and every WGU student is expected to uphold these Academic Authenticity rules:

### Intellectual Property

- Students may not use any information found, requested, or purchased on the Internet (or elsewhere) that may include WGU assessment materials or responses to those materials (i.e., answers to assessment questions or projects completed by someone else).
- Similarly, students may not create and/or transmit responses to assessments or projects, as those responses may potentially be submitted to WGU or another institution by someone else.
- Students may not copy, record, or disclose WGU assessment or project material to anyone else. This includes copying for personal use and disclosure on websites, blogs, and other social media.

- Any previously completed Capstone Project from another WGU degree or another institution is not permitted to be used to create and submit the Capstone Project for the degree in which the student is currently enrolled.
- Students may consent to have their capstone work archived for restricted view by other students and alumni. They may also use and repurpose their capstone and other performance tasks for use when they graduate as an electronic portfolio in furtherance of the academic or professional careers with care not to violate rules above.

## Assessments

### A. General

- Unless directed by official WGU course instructions to work with other students, all assessments and projects must be the student's own individual work. Students are not allowed to engage in unauthorized collaborative efforts with or obtain assistance from, others at any point in the research, creation, completion, submission, or revision of assessments.
- Students shall not falsify or deliberately misrepresent information submitted to meet the requirement of any assessment.

### B. Objective Assessment

- When taking a proctored WGU assessment, the student may not access any device or material not specifically approved in advance, nor communicate with anyone except the proctor, this includes reading the questions aloud.
- Highlighting questions is against the policy as it is part of copying and pasting acts that can compromise the integrity of WGU high-stakes assessments.
- All audio and video equipment must be in working order, and the student is required to remain in the view of the proctor at all times.

### C. Performance Assessment

- If students use material from any source, an appropriately formatted citation must be provided. To use the work of another without proper citation is plagiarism and may lead to sanctions, including suspension or expulsion from the university.
- All assessments and projects submitted by any WGU student will be evaluated for compliance with these rules. All written work will be checked by WGU Evaluation Faculty, utilizing originality software, for evidence of plagiarism. To protect each student's identity, students are encouraged to remove all personal information, such as phone numbers and addresses, from each assessment or project. The plagiarism checker will store a copy of all work submitted to prevent its use by other students.

The Code of Student Conduct defines violations of this policy as "cheating" subject to sanctions up to and including expulsion from the university. Student access to assessment scheduling or task submission may be locked while an investigation of alleged violations of this policy is underway.

## **Code of Student Conduct**

### **PREAMBLE**

This Western Governors University (WGU) Code of Student Conduct is premised on the belief that respect for individuals, ideas, and the authenticity of student work are all critical to a thriving academic community. Accordingly, WGU holds that all members of the WGU community have a shared responsibility for ethical, responsible, and respectful behavior and should comply in every respect with all applicable laws in addition to the rules WGU has set forth in this Code of Student Conduct.

### **ARTICLE I: DEFINITIONS**

1. The term **"WGU"** means Western Governors University.
2. The term **"student"** includes all persons in all locations taking courses at WGU either full time or part time, pursuing undergraduate, graduate, or professional studies. Persons who withdraw after allegedly violating the Student Code, those who are not officially enrolled for a particular term but who have a continuing relationship with WGU or those who have been notified of their acceptance for admission are considered "students".
3. The term **"faculty member"** means any person hired by WGU to conduct learning activities or who is otherwise considered by WGU to be a member of its faculty.
4. The term **"WGU official"** includes any person employed by WGU performing assigned administrative or professional responsibilities.
5. The term **"member of the WGU community"** includes any person who is a student, alumni, faculty member, WGU official and any other person employed by WGU including proctors, graders, coaches, and clinical supervisors.

6. The term **“WGU premises”** includes all land, buildings, facilities, portals, communities, and other property, whether online or physical, in the possession of or owned, used, or controlled by WGU.
7. The term **“Student Conduct Board”** means any person or persons authorized by the Senior Manager of Student Rights and Responsibilities to determine whether a student has violated the Student Code and to decide sanctions that may be imposed when a rules violation has been committed. The chair, or co-chairs, of the Student Conduct Board shall be appointed by the Senior Manager of Student Rights and Responsibilities.
8. The term **“Student Conduct Administrator”** means a WGU official authorized on a case by case basis by the Senior Manager of Student Rights and Responsibilities to investigate complaints, to advise the Student Conduct Board, and to carry out sanctions imposed upon any student(s) found by the Student Conduct Board to have violated the Student Code.
9. The term **“Appellate Board”** means any person or persons authorized by the Senior Manager of Student Rights and Responsibilities to consider an appeal from the Student Conduct Board's determination as to whether a student has violated the Student Code or from the sanctions imposed by the Student Conduct Administrator.
10. The term **“shall”** is used in the imperative sense.
11. The term **“may”** is used in the permissive sense.
12. The Senior Manager of Student Rights and Responsibilities is that person designated by WGU's President to be responsible for the administration of the Student Code.
13. The term **“policy”** means the written regulations of WGU as found in, but not limited to the WGU Student Handbook including this Student Code of Conduct and any student handbook specific to a WGU degree program. All WGU policy is made continuously available to students on the university's website.
14. The term **“cheating”** includes, but is not limited to: (1) using any information found, requested or purchased on the Internet (or elsewhere) containing WGU assessment materials or responses to those materials (i.e., answers to exam questions or projects responses created by someone else); (2) creating or transmitting responses to WGU assessments or projects if you have reason to know those responses may be submitted to WGU by someone else; (3) copying, recording and disclosing WGU assessment or project material for others' use; (4) accessing any device or materials not specifically approved in advance, or communicating with anyone except the proctor when taking a proctored WGU assessment; and (5) working with others on assessments or projects unless specifically directed by WGU; and (6) representing the work of others as your own without proper citation.
15. The term **“plagiarism”** includes, but is not limited to, the use, by paraphrase or direct quotation, of the published or unpublished work of another person without full and clear acknowledgment. It also includes the unacknowledged use of materials prepared by another person or agency engaged in the selling of term papers or other academic materials.
16. The term **“harassment”** means the use of words, gestures, imagery, and other communication that creates a hostile and intimidating environment to the degree that other members of the WGU community would choose not to participate in communications, programs, or activities.
17. The term **“identity misrepresentation”** means the use of false, stolen or borrowed identification materials (e.g., driver's license) to obtain: i) admission to WGU, ii) access to student financial aid, or iii) access to WGU programs, assessments and other activities.
18. The term **“Complainant”** means any person who submits a charge alleging that a student violated this Student Code. When a student believes that s/he has been a victim of another student's misconduct, the student who believes s/he has been a victim will have the same rights under this Student Code as are provided to the Complainant, even if another member of the WGU community submitted the charge itself.
19. The term **“Accused Student”** means any student accused of violating this Student Code.
20. The term **“Advisor”** includes any member of the WGU community but the Advisor cannot be acting as an attorney.
21. **“Education Records”** are broadly defined to include all records directly related to a student and are protected from disclosure under the Family Educational Rights and Privacy Act (FERPA). Disciplinary Records and Academic Records are considered to be Education Records and as a result are kept confidential in accordance with this law.
22. The **“Disciplinary Record”** includes a statement of charges, summary of information considered by or presented to the Code of Conduct Board, findings or sanctions, records of appeals, and rationale for the decisions.
23. The **“Academic Record”** is defined as information relating to a student's academic performance including transcripts, narrative notes of the student's academic progress as documented by the student's Program Mentor(s) and Instructor(s), assessment and evaluation results, external exam scores, and results of any appeals filed by the student.
24. The term **“hazing”** means any action or situation that recklessly or intentionally endangers the mental or physical health or safety of a student for purposes, including, but not limited to, the purpose of initiation or admission into or affiliation with any organization operating under the sanction of a postsecondary institution; includes, but is not limited to pressuring or coercing the student into violating state or federal law; any brutality of

a physical nature, such as whipping, beating, branding, forced calisthenics, exposure to the elements, forced consumption of any food, liquor, drug, or other substance, or other forced physical activity that which could adversely affect the physical health or safety of the student; any activity that which would subject the student to extreme mental stress, such as sleep deprivation, forced exclusion from social contact, forced conduct that which could result in extreme embarrassment; other forced activity that which could adversely affect the mental health or dignity of the student. Hazing does not include customary athletic events or other similar contests or competitions or any activity or conduct that furthers a legal and legitimate objective.

## ARTICLE II: STUDENT CODE AUTHORITY

1. The Senior Manager of Student Rights and Responsibilities shall determine the composition of the Student Conduct Board and Appellate Boards and determine which Student Conduct Board, Student Conduct Administrator and Appellate Board shall be authorized to hear each matter.
2. The Senior Manager of Student Rights and Responsibilities shall develop policies for the administration of the student conduct system and procedural rules for the conduct of Student Conduct Board Hearings that are not inconsistent with provisions of the Student Code.
3. Decisions made by the Student Conduct Board and/or Student Conduct Administrator designated by the Senior Manager of Student Rights and Responsibilities shall be final, pending the normal appeal process.

## ARTICLE III: JURISDICTION OF WGU STUDENT CODE

WGU Student Code of Conduct shall apply to conduct that adversely affects the WGU Community and/or the pursuit of its objectives. Each student shall be responsible for his/her conduct from the time of application for admission through the actual awarding of a degree, even though conduct may occur before courses begin or after courses end, during periods between terms of actual enrollment, and conduct that is not discovered until after a degree is awarded. The Student Code shall apply to a student's conduct even if the student withdraws from school while a disciplinary matter is pending.

## ARTICLE IV: EQUAL OPPORTUNITY, HARASSMENT, AND NONDISCRIMINATION POLICY AND GRIEVANCE PROCESSES

In addition to the Code of Student Conduct, all students at WGU are also subject to the University's Equal Opportunity, Harassment, and Nondiscrimination Policy and Grievance Processes which are separate from the Student Conduct Code standards and procedures. The University's Equal Opportunity, Harassment, and Nondiscrimination Policy covers behaviors related to discrimination, sexual harassment, sexual assault, inducing incapacitation for sexual purposes, sexual exploitation, dating violence, domestic violence, stalking, and retaliation.

In cases where the provisions in the Student Conduct Code and the provisions in the Equal Opportunity, Harassment, and Nondiscrimination Policy and Grievance Processes are different or inconsistent, the Equal Opportunity, Harassment, and Nondiscrimination Policy and Grievance Processes supersede. Therefore, all students are expected to read the Equal Opportunity, Harassment, and Nondiscrimination Policy and Grievance Processes, as well as the Code of Student Conduct, to gain a thorough understanding of the expectations and procedures set forth in both processes and the differences between the two.

When a student has been found in violation of the Equal Opportunity, Harassment, and Nondiscrimination Policy, the Title IX Coordinator and/or Decision-makers are charged with imposing disciplinary sanctions. Possible sanctions that may be applied are the same as those described in the Student Conduct Code. Disciplinary records for Equal Opportunity, Harassment, and Nondiscrimination violations are maintained in the same manner as other disciplinary records under the Student Conduct Code.

## ARTICLE V: PROSCRIBED CONDUCT

### A. Conduct—Rules and Regulations

Any student found to have committed or to have attempted to commit the following misconduct is subject to the disciplinary sanctions outlined in Article VI:

1. Acts of dishonesty, including but not limited to the following (See Academic Authenticity):
  - Cheating, plagiarism, or other forms of academic dishonesty.
  - Identity misrepresentation.
  - Furnishing false information to any WGU official, faculty member, or office.
  - Forgery, alteration, or misuse of any WGU document, record, or instrument of identification.



2. Disruption or obstruction of advising, facilitation, instruction, research, administration, disciplinary proceedings or other WGU activities.
3. Unprofessional conduct including harassment, threatening, bullying or verbal abuse of any member of the WGU community by any means (conduct, speech, written notes, electronic mail, etc.). This includes, but is not limited to, the use of threats, profanity, and demeaning or intimidating comments.
4. Physical abuse, threats of physical abuse, and/or other conduct which threatens or endangers the health or safety of any person.
5. Illegal use, possession or distribution of alcohol or any controlled substance on university premises or at university sponsored events.
6. Attempted or actual theft of and/or damage to property of WGU or property of a member of the WGU community.
7. Failure to comply with directions of WGU officials or law enforcement officers acting in performance of their duties and/or failure to identify oneself to these persons when requested to do so.
8. Failure to conform to the standards of professional conduct outlined in the Teachers College Code of Ethics, Professional Behaviors and Dispositions, the CHP Code of Professional Conduct and Dispositions, the CHP Nursing Code of Professional Conduct and Dispositions, and similar standards of professional conduct associated with other WGU field experience programs.
9. Violation of any WGU policy.
10. Violation of any federal, state or local law.
11. Illegal or unauthorized possession of firearms, explosives, other weapons, or dangerous chemicals on WGU premises or use of any such item, even if legally possessed, in a manner that harms, threatens or causes fear to others.
12. Theft, abuse or misuse of WGU computing, information and communication systems ("WGU systems") and/or protected WGU information, files and resources ("WGU resources") including but not limited to:
  - Unauthorized entry into WGU resources to use, read, or change the contents, or for any other purpose.
  - Unauthorized transfer of WGU resources.
  - Use of another individual's user name and/or password.
  - Use of WGU systems to interfere with the work of another member of the WGU community.
  - Use of WGU systems to send obscene or harassing messages.
  - Interfering with the normal operation of WGU systems and WGU resources.
  - Use of WGU resources in violation of WGU's Student License Agreement for use of learning resources.
  - Any violation of the WGU Systems Use Policy.
  - Unauthorized use of WGU systems and WGU resources to obtain or disclose the personal details of another member of the WGU community.
  - Tampering with communications.
13. Abuse of the Student Conduct System, including but not limited to:
  - Failure to obey a notice from the Student Conduct Board or WGU official to appear for a meeting or hearing as part of the Student Conduct System.
  - Falsification, distortion, or misrepresentation of information before Student Conduct Board.
  - Disruption or interference with the orderly conduct of a Student Conduct Board proceeding.
  - Institution of a student conduct code proceeding in bad faith.
  - Attempting to discourage an individual's proper participating in, or use of, the student conduct system.
  - Attempting to influence the impartiality of a member of the Student Conduct Board prior to, and/or during the course of, the Student Conduct Board proceeding.
  - Harassment (verbal or physical) and/or intimidation of a member of the Student Conduct Board prior to, during, and/or after a student conduct code proceeding.
  - Failure to comply with the sanction(s) imposed under the Student Code.
  - Influencing or attempting to influence another person to commit an abuse of the student conduct code system.

#### B. Attempts and Complicity

Attempts to commit acts prohibited by the Student Conduct Code, and/or knowingly or willfully encouraging or assisting others to commit any of these acts, are also prohibited and may be adjudicated in the same manner.

#### C. Violation of Law and WGU Discipline

WGU disciplinary proceedings may be instituted against a student charged with conduct that potentially violates both the criminal law and this Student Code (that is, if both possible violations result from the same factual situation) without regard to the pendency of civil or criminal litigation in court or criminal arrest and prosecution. Proceedings under this Student Code may be carried out prior to, simultaneously with, or following civil or criminal proceedings at the discretion of the Senior Manager of Student Rights and Responsibilities. Determinations made or sanctions imposed under this



Student Code shall not be subject to change because criminal charges arising out of the same facts giving rise to violation of university rules were dismissed, reduced, or resolved in favor of or against the criminal law defendant.

## ARTICLE VI: STUDENT CONDUCT CODE PROCEDURES

### A. Charges and Student Conduct Board Hearings

1. Any member of the WGU community may file charges against a student for violations of the Student Code. A charge must be submitted in writing and directed to the Student Conduct Administrator. Any charge should be submitted as soon as possible after the event takes place or is discovered, preferably within the same academic term or 90 days, whichever is later. The Student Conduct Board retains the right to review all work submitted to WGU. The Student Conduct Administrator may conduct an investigation to determine if the charges have merit and/or if they can be disposed of administratively by mutual consent of the parties involved on a basis acceptable to the Student Conduct Administrator. Such disposition shall be final and there shall be no subsequent proceedings. If the student admits violating institutional rules, but sanctions are not agreed to, subsequent process, including hearing if necessary, shall be limited to determining the appropriate sanction(s).
2. All charges shall be presented to the Accused Student in written form. A time shall be set for the Student Conduct Board Hearing, not less than five (5) nor more than fifteen (15) calendar days after the student has been notified. Maximum time limits for scheduling of Student Conduct Board Hearings may be extended at the discretion of the Student Conduct Administrator.
3. Student Conduct Board hearings shall be conducted by telephone conference according to the following guidelines:
  - Student Conduct Board Hearings normally shall be conducted in private.
  - The Complainant, Accused Student and their advisors, if any, shall be allowed to attend the entire portion of the Student Conduct Board Hearing at which information is received (excluding deliberations). Admission of any other person to the Student Conduct Board Hearing shall be at the discretion of the Student Conduct Board and/or its Student Conduct Administrator.
  - In Student Conduct Board hearings involving more than one Accused Student, the Student Conduct Administrator, in his or her discretion, may permit the Student Conduct Board Hearings concerning each student to be conducted either separately or jointly.
  - The Complainant and the Accused Student may, upon five (5) days advance written notice to WGU, be assisted by an advisor they choose. The advisor must be a member of the WGU community and may not be acting in the capacity of an attorney. If the Complainant and/or the Accused Student fail to provide a minimum of five (5) days notice the Student Conduct Board hearing may be rescheduled.
  - The Complainant and/or the Accused Student is responsible for presenting his or her own information, and therefore, advisors are not permitted to speak or to participate directly in any Student Conduct Board hearing. A student should select as an advisor a person whose schedule allows attendance at the scheduled date and time for the Student Conduct Board Hearing; delays will not normally be allowed due to the scheduling conflicts of an advisor.
  - The Complainant, the Accused Student and the Student Conduct Board may arrange for witnesses to present pertinent information to the Student Conduct Board. At the discretion of the Student Conduct Administrator, WGU will try to arrange the attendance of witnesses who are members of the WGU community, provided such witnesses are identified by the Complainant and/or Accused Student at least five business days prior to the hearing. Witnesses will provide information to, and answer questions from, the Student Conduct Board. Questions may be suggested by the Accused Student and/or Complainant to be answered by each other or by other witnesses. This will be conducted by the Student Conduct Board with such questions directed to the chairperson, rather than to the witness directly. This method is used to preserve the educational tone of the hearing and to avoid creation of an adversarial environment. Questions of whether potential information will be received shall be resolved in the discretion of the chairperson of the Student Conduct Board.
  - Pertinent records, exhibits, and written statements may be accepted as information for consideration by the Student Conduct Board at the discretion of the chairperson.
  - All procedural questions are subject to the final decision of the chairperson of the Student Conduct Board.
  - After the portion of the Student Conduct Board Hearing concludes in which all pertinent information has been received, the Student Conduct Board shall determine by consensus whether the Accused Student has violated each section of the Student Code which the student is charged with violating.
  - The Student Conduct Board's determination shall be made on the basis clear and convincing evidence (substantially more likely than not) that the Accused Student violated the Student Code.
  - Formal rules of process, procedure, and/or technical rules of evidence, such as are applied in criminal or civil court, are not used in Student Code proceedings.
4. There shall be a single verbatim record, such as an audio recording, of all Student Conduct Board Hearings,

however the Board's deliberations shall not be recorded. The record shall be the property of WGU and will become part of the Accused Student's Disciplinary Record and will be maintained on file for seven (7) years following the last date of academic activity. Records for students that are suspended or expelled from the university will be kept indefinitely.

5. If an Accused Student who has been provided appropriate notice, does not attend the Student Conduct Board Hearing, the information in support of the charges shall be presented and considered even if the Accused Student is not present.
6. The Student Conduct Board may accommodate concerns for the personal safety, well-being, and/or fears of confrontation of the Complainant or witnesses during the hearing by permitting participation by separate meeting, separate telephone line, written statement, or other means, where determined to be appropriate by the Student Conduct Administrator.

#### B. Sanctions

1. Depending upon a student's history of misconduct and the severity of the conduct at issue, the Student Conduct Board may direct the Student Conduct Administrator to impose any of the following sanctions upon a student found to have violated the rules of conduct described in Article V(A):
  - Level 1 Warning—A written (email) notice that a student's conduct is violating or has violated the rules of conduct.
  - Level 2 Warning—A written notice indicating that a student's conduct is violating or has violated the rules of conduct and includes an improvement plan that will demonstrate conduct conforming to the Student Code of Conduct within a specified time period. A Level 2 Warning includes the probability of more severe sanctions for any subsequent violation of the rules of conduct.
  - Loss of Privileges—A written notice of the denial of specified privileges for a designated period of time.
  - Restitution—Compensation for loss, damage, or injury. This may take the form of appropriate service and/or monetary or material replacement.
  - Discretionary Sanctions—Work assignments, essays, service to WGU or other related discretionary assignments.
  - Disciplinary Suspension—Separation of the student from WGU for a definite period of time, after which the student is eligible to return. Conditions for readmission may be specified.
  - Removal from Academic Program – Removal of the student from her/his chosen academic program for behaviors not conforming to the standards of professional conduct outlined in the WGU Teacher's College Code of Ethics, the WGU Nursing College Code of Ethics, and similar standards of professional conduct associated with other WGU licensure programs. WGU may, in its discretion, suggest one or more alternative academic programs. If an alternative program is not acceptable to the student, he or she will be subject to administrative withdrawal.
  - Disciplinary Expulsion—Permanent separation of the student from WGU without the possibility of readmission.
  - Revocation of transcribed grades and/or assessment results – Grades or assessment results that are considered part of the student's Academic Record may be amended.
  - Revocation of Admission and/or Degree—Admission to, or a degree awarded from WGU may be revoked for fraud, misrepresentation, or other violation of WGU standards in obtaining the degree, or for other serious violations committed by a student prior to graduation.
  - Withholding Degree—WGU may withhold awarding a degree otherwise earned until the completion of the process set forth in this Student Conduct Code, including the completion of all sanctions imposed, if any.
2. More than one of the sanctions listed above may be imposed for any single violation.
3. (a) Disciplinary expulsion, removal from academic program or revocation or withholding of a degree are part of the student's permanent academic record. Other disciplinary sanctions shall not be made part of the student's permanent academic record, but shall become part of the student's disciplinary record. (b) In situations involving both an Accused Student and a student claiming to be the victim of another student's conduct, the records of the process and of the sanctions imposed, if any, shall be considered to be the academic records of both the Accused Student(s) and the student(s) claiming to be the victim because the educational career and chances of success in the academic community of each may be impacted.
4. Following the Student Conduct Board hearing, the Student Conduct Administrator shall advise the Accused Student and the Complainant in writing of the Board's determination and of the sanction(s) imposed, if any.

#### C. Administrative Holds

If a student fails to respond to a complaint or complete educational sanctions as required, an administrative hold shall be placed on the student's record by the Office of Student Conduct to ensure cooperation with the disciplinary process. In most cases an administrative hold will not prevent a student from completing coursework in the current term, but the student will be prevented from registering in additional courses or obtaining a degree. Depending on the severity of the

charges, the Conduct Administrator may also institute an administrative hold pending the outcome of proceedings.

#### D. Interim Suspension

In certain circumstances, the Senior Manager of Student Rights and Responsibilities, or a designee, may impose a WGU suspension prior to the Student Conduct Board Hearing before the Student Conduct Board.

Interim suspension may be imposed: (a) to ensure the safety and wellbeing of members of WGU community or preservation of WGU property; (b) to ensure the student's own physical or emotional safety and wellbeing; or (c) if the Accused Student poses an ongoing threat of disruption of, or interference with, the normal operations of WGU.

During the interim suspension, an Accused Student shall be denied access to some or all WGU systems or privileges for which the Accused Student might otherwise be eligible, as the Senior Manager of Student Rights and Responsibilities or the Student Conduct Administrator may determine to be appropriate for the purposes of investigation.

The interim suspension does not replace the regular process, which shall proceed on the normal schedule, up to and through the Student Conduct Board Hearing, if required.

The Accused Student shall be notified in writing of this action and the reasons for the suspension. The notice shall include the time, date, and place of a subsequent hearing at which the Accused Student may show cause why his or her continued use of the WGU systems or privileges does not constitute a threat [and at which they may contest whether a WGU rule was violated]. Time lost within the term while the student is on interim suspension may not be added back to the end of the term in the form of a term extension or incomplete grade.

#### E. Appeals

1. A decision reached by the Student Conduct Board or a sanction imposed by the Student Conduct Administrator may be appealed by the Accused Student(s) or Complainant(s) to the Appellate Board within five (5) business days of the decision. Such appeals shall be in writing and shall be delivered to the Student Conduct Administrator or his or her designee.
2. Except as required to explain the basis of new information, an appeal shall be limited to a review of the verbatim record of the Student Conduct Board Hearing and supporting documents for one or more of the following purposes:
  - To determine whether the Student Conduct Board Hearing was conducted fairly in light of the charges and information presented, and in conformity with prescribed procedures giving the complaining party a reasonable opportunity to prepare and to present information that the Student Code was violated, and giving the Accused Student a reasonable opportunity to prepare and to present a response to those allegations. Deviations from designated procedures will not be a basis for sustaining an appeal unless significant prejudice results.
  - To determine whether the decision reached regarding the Accused Student was based on substantial information, that is, whether there were facts in the case that, if believed by the fact finder, were sufficient to establish that a violation of the Student Code occurred. To determine whether the sanction(s) imposed were appropriate for the violation of the Student Code which the student was found to have committed.
  - To consider new information, sufficient to alter a decision or other relevant facts not brought out in the original hearing, because such information and/or facts were not known to the person appealing at the time of the original Student Conduct Board Hearing.
3. If an appeal is upheld by the Appellate Board, the matter shall be returned to the original Student Conduct Board and Student Conduct Administrator for reopening of Student Conduct Board Hearing to allow reconsideration of the original determination and/or sanction(s). If an appeal is not upheld, the matter shall be considered final and binding upon all involved.

#### ARTICLE VII: INTERPRETATION AND REVISION

1. Any question of interpretation or application of the Student Code shall be referred to the Senior Manager of Student Rights and Responsibilities or his or her designee for final determination.
2. The Student Code shall be reviewed every two (2) years under the direction or discretion of the Senior Manager of Student Rights and Responsibilities. In the interim this code may be amended at any time upon appropriate notice to students. Suggested revisions may be made to the Student Conduct Administrator to be reviewed by a panel assigned by the Senior Manager of Student Rights and Responsibilities.

# Academic Programs

## College of Business

- B.S. Business Administration—Accounting
- B.S. Business Administration—Healthcare Management
- B.S. Business Administration—Human Resource Management
- B.S. Business Administration—Information Technology Management
- B.S. Business Administration—Management
- B.S. Business Administration—Marketing
- Master of Business Administration (MBA)
- MBA Information Technology Management
- MBA Healthcare Management
- M.S. Management and Leadership
- M.S. Accounting

## College of Health Professions

- B.S. Nursing (Prelicensure)
- B.S. Nursing (RN to BSN)
- B.S. Health Information Management
- B.S. Health Services Coordination
- M.S. Nursing—Family Nurse Practitioner
- M.S. Nursing—Psychiatric Mental Health Nurse Practitioner
- M.S. Nursing—Education
- M.S. Nursing—Leadership and Management
- M.S. Nursing—Nursing Informatics
- M.S. Nursing—Education (RN to MSN)
- M.S. Nursing—Leadership and Management (RN to MSN)
- M.S. Nursing—Nursing Informatics (RN to MSN)
- Master of Health Leadership
- Post-Master's Certificate, Nursing—Education
- Post-Master's Certificate, Nursing—Leadership and Management

## College of Information Technology

- B.S. Cloud Computing (AWS Track)
- B.S. Cloud Computing (Azure Track)
- B.S. Cloud Computing (Multi-Cloud Track)
- B.S. Computer Science
- B.S. Cybersecurity and Information Assurance
- B.S. Data Management/Data Analytics
- B.S. Information Technology
- B.S. Network Engineering and Security
- B.S. Network Engineering and Security (Cisco Track)
- B.S. Software Development (Java Track)
- B.S. Software Development (C# Track)
- M.S. Cybersecurity and Information Assurance
- M.S. Data Analytics
- M.S. Information Technology Management

## Teachers College

### Bachelor's Degrees with Licensure:

- B.A. Educational Studies (Non-Licensure Program)
- B.A. Elementary Education
- B.A. Special Education and Elementary Education (Dual Licensure)
- B.A. Special Education (Mild to Moderate)
- B.S. Mathematics Education (Middle Grades)
- B.S. Mathematics Education (Secondary)
- B.S. Science Education (Middle Grades)
- B.S. Science Education (Secondary Biological Science)

- B.S. Science Education (Secondary Chemistry)
- B.S. Science Education (Secondary Earth Science)
- B.S. Science Education (Secondary Physics)

Master's Degrees with Licensure:

- M.A. Teaching, Elementary Education
- M.A. Teaching, English Education (Secondary)
- M.A. Teaching, Mathematics Education (Middle Grades)
- M.A. Teaching, Mathematics Education (Secondary)
- M.A. Teaching, Science Education (Secondary)
- M.A. Teaching, Special Education

Graduate Degrees and Degrees for Licensed Teachers:

- M.S. Curriculum and Instruction
- M.S. Educational Leadership
- M.S. Learning Experience Design and Educational Technology (K-12 and Adult Learner)
- M.S. Learning Experience Design and Educational Technology (Adult Learner)
- M.S. Learning Experience Design and Educational Technology (K-12 Learner)
- M.A. English Language Learning (ELL) (PreK-12)
- M.Ed. Instructional Design
- M.Ed. Learning and Technology
- M.A. Mathematics Education (K-6)
- M.A. Mathematics Education (Middle Grades)
- M.A. Mathematics Education (Secondary)
- M.A. Science Education (Middle Grades)
- M.A. Science Education (Secondary Biological Science)
- M.A. Science Education (Secondary Chemistry)
- M.A. Science Education (Secondary Earth Science)
- M.A. Science Education (Secondary Physics)

Endorsement Programs:

- Endorsement Preparation Program in English Language Learning (ELL) (PreK-12)

WGU publishes all available programs on the university website ([http://www.wgu.edu/degrees\\_and\\_programs](http://www.wgu.edu/degrees_and_programs)).

WGU's public website provides access to a description of every degree program offered by the university, and each description includes the requirements to be met for satisfactory completion.

Each degree listing includes an overview of the program and the program's standard path. The standard path outlines degree requirements (assessments and associated courses of study), the order in which requirements should be completed, and the associated competency units (credits) by term.

A WGU course is an organized learning resource, comparable to a traditional course syllabus, and containing a week-by-week pacing component with a focus on helping students navigate independent learning resources in an efficient way. Each assessment in the standard path has a related course to guide students in acquiring the skills, knowledge, and abilities needed to pass the assessment.

Please refer to the standard paths below. Information provided for each course includes: the Assessment/Course Code; the Course Name; and the competency unit(s) earned when the assessment is passed. Example: C455 – English Composition I (3).

# College of Business

## College of Business Tenets:

- **Impact:** We are a global force for good; our shared purpose is to improve the lives of people and society through a transformative business education that emphasizes sustainability and ethical action.
- **Student Success:** We optimize student attainment across a diverse array of learner populations by personalizing learning experiences, building relationships, and customizing support.
- **Inclusive Learning:** We embrace diversity and equity by acknowledging the needs of underserved communities. We create an inclusive and supportive environment for both students and staff.
- **Accessibility:** We drive affordability and expand access through cost-conscious decision-making. We scale technology to address the challenges of students' digital access.
- **Relevant Curricula:** We design innovative, high-quality, industry-relevant curricula through continuous improvement and deliver rigorous, skills-based learning experiences that increase the ROI for our students.

## Bachelor of Science Business Administration, Accounting

*The Bachelor of Science in Business Administration with a Major in Accounting is a competency-based program that prepares graduates for a wide variety of careers in the field of accounting in public, private and non-profit entities. The Accounting program combines general business competencies with a specialized set of in-depth technical accounting competencies. These prepare graduates for positions such as staff accountant, general ledger accountant, tax associate, or auditor. The competencies in the Accounting program help you develop the skills necessary for leadership positions in accountings such as accounting manager, assistant controller, or controller.*

CCN	Course Number	Course Description	CUs	Term
MGMT 3000	C715	Organizational Behavior	3	1
BUS 2010	D072	Fundamentals for Success in Business	3	1
ACCT 2020	D196	Principles of Financial and Managerial Accounting	3	1
PHIL 3010	C168	Critical Thinking and Logic	3	1
BUS 2090	D082	Emotional and Cultural Intelligence	3	2
MATH 1101	C955	Applied Probability and Statistics	3	2
ENGL 1010	C455	English Composition I	3	2
BUS 3000	C717	Business Ethics	3	2
HUMN 1010	C100	Introduction to Humanities	3	3
ACCT 2313	D102	Financial Accounting	3	3
MATH 1200	C957	Applied Algebra	3	3
BUS 2301	C483	Principles of Management	4	3
BUS 2140	D100	Introduction to Spreadsheets	1	4
BUS 2030	D075	Information Technology Management Essentials	3	4
ACCT 3630	C237	Taxation I	3	4
BUS 2080	D081	Innovative and Strategic Thinking	3	4
BUS 3100	C723	Quantitative Analysis For Business	3	4
BUS 2060	D078	Business Environment Applications I: Business Structures and Legal Environment	2	5
BUS 2040	D076	Finance Skills for Managers	3	5
COMM 1011	C464	Introduction to Communication	3	5
HRM 2100	C232	Introduction to Human Resource Management	3	5
BUS 2061	D079	Business Environment Applications II: Process, Logistics, and Operations	2	5
HIST 1010	C121	Survey of United States History	3	6
ACCT 3314	D101	Cost and Managerial Accounting	3	6
ACCT 3350	D216	Business Law for Accountants	3	6
MGMT 2700	D253	Values-Based Leadership	3	6
SOCG 1010	C273	Introduction to Sociology	3	7
ECON 2000	D089	Principles of Economics	3	7
ACCT 3611	D103	Intermediate Accounting I	3	7
HRM 3100	C233	Employment Law	3	7



CCN	Course Number	Course Description	CUs	Term
BUS 2050	D077	Concepts in Marketing, Sales, and Customer Contact	3	8
ACCT 3621	D104	Intermediate Accounting II	3	8
ACCT 3360	D217	Accounting Information Systems	3	8
SCIE 1020	C165	Integrated Physical Sciences	3	8
MGMT 4100	C720	Operations and Supply Chain Management	3	9
ACCT 3650	D105	Intermediate Accounting III	3	9
ENGL 1020	C456	English Composition II	3	9
HRM 3600	C236	Compensation and Benefits	3	9
BUS 2111	D361	Business Simulation	4	10
BUS 2070	D080	Managing in a Global Business Environment	3	10
ACCT 3340	D215	Auditing	3	10
Total CUs: 121				

## Bachelor of Science Business Administration, Healthcare Management

*The Bachelor of Science in Business Administration with a Major in Healthcare Management is a competency-based program that prepares graduates for a variety of administrative and management careers in the healthcare industry. Graduates with a major in Healthcare Management will combine a set of general business competencies with a set of in-depth competencies from the field of healthcare management. These competencies align with a variety of entry-level non-clinical and healthcare service managerial positions at skilled nursing facilities, residential care facilities, small to large healthcare facilities, insurance companies, and community health organizations; as well as organizations focused on developing, manufacturing, and providing medical related products or services, case management organizations and the financial services sector of the healthcare industry.*

CCN	Course Number	Course Description	CUs	Term
MGMT 3000	C715	Organizational Behavior	3	1
BUS 2010	D072	Fundamentals for Success in Business	3	1
HCM 3310	C430	Healthcare Quality Improvement and Risk Management	3	1
PHIL 3010	C168	Critical Thinking and Logic	3	1
BUS 2301	C483	Principles of Management	4	2
ENGL 1010	C455	English Composition I	3	2
HCM 2110	C425	Healthcare Delivery Systems, Regulation, and Compliance	3	2
BUS 2060	D078	Business Environment Applications I: Business Structures and Legal Environment	2	2
MGMT 4100	C720	Operations and Supply Chain Management	3	3
ENGL 1020	C456	English Composition II	3	3
HCM 2210	C426	Healthcare Values and Ethics	3	3
BUS 2090	D082	Emotional and Cultural Intelligence	3	3
COMM 1011	C464	Introduction to Communication	3	4
ACCT 2020	D196	Principles of Financial and Managerial Accounting	3	4
HCM 2310	C427	Technology Applications in Healthcare	3	4
BUS 2080	D081	Innovative and Strategic Thinking	3	4
BUS 2140	D100	Introduction to Spreadsheets	1	5
HIST 1010	C121	Survey of United States History	3	5
BUS 2040	D076	Finance Skills for Managers	3	5
HCM 3110	C428	Financial Resource Management in Healthcare	3	5
MGMT 2700	D253	Values-Based Leadership	3	5
BUS 2600	C716	Business Communication	3	6
MATH 1101	C955	Applied Probability and Statistics	3	6
ECON 2000	D089	Principles of Economics	3	6
HCM 3210	C429	Healthcare Operations Management	3	6
HUMN 1010	C100	Introduction to Humanities	3	7
BUS 2050	D077	Concepts in Marketing, Sales, and Customer Contact	3	7
MATH 1200	C957	Applied Algebra	3	7
HCM 3410	C431	Healthcare Research and Statistics	3	7
BUS 2070	D080	Managing in a Global Business Environment	3	8

CCN	Course Number	Course Description	CUs	Term
SOCG 1010	C273	Introduction to Sociology	3	8
SCIE 1020	C165	Integrated Physical Sciences	3	8
HRM 3600	C236	Compensation and Benefits	3	8
HRM 2100	C232	Introduction to Human Resource Management	3	9
BUS 2111	D361	Business Simulation	4	9
BUS 3100	C723	Quantitative Analysis For Business	3	9
MGMT 3400	C722	Project Management	3	9
HCM 3510	C432	Healthcare Management and Strategy	3	10
MGMT 4400	C721	Change Management	3	10
HCM 2910	C439	Healthcare Management Capstone	4	10
Total CUs: 120				

## Bachelor of Science Business Administration, Human Resource Management

*The Bachelor of Science in Business Administration with a Major in Human Resource Management is a competency-based program that prepares graduates for a variety of careers in the fields of human capital management and people and talent. Graduates with a major in Human Resource Management will combine a set of general business competencies with a set of in-depth competencies from the field of HRM. These competencies align with a variety of positions as human resource managers, personnel directors, people and talent managers, and benefits and compensation specialists. The program content has also been certified by the Society for Human Resource Management as aligning with their body of knowledge and helps prepares students for the pursuit of a SHRM professional certification. The program is also aligned with Human Resource Certification Institute (HRCI) curriculum standards and helps prepare students for the pursuit of the Professional in Human Resources (PHR) exam.*

CCN	Course Number	Course Description	CUs	Term
MGMT 3000	C715	Organizational Behavior	3	1
BUS 2010	D072	Fundamentals for Success in Business	3	1
HRM 2100	C232	Introduction to Human Resource Management	3	1
PHIL 3010	C168	Critical Thinking and Logic	3	1
HRM 3100	C233	Employment Law	3	2
BUS 2301	C483	Principles of Management	4	2
ENGL 1010	C455	English Composition I	3	2
BUS 2060	D078	Business Environment Applications I: Business Structures and Legal Environment	2	2
BUS 2090	D082	Emotional and Cultural Intelligence	3	3
MGMT 4100	C720	Operations and Supply Chain Management	3	3
ACCT 2020	D196	Principles of Financial and Managerial Accounting	3	3
COMM 1011	C464	Introduction to Communication	3	3
BUS 2080	D081	Innovative and Strategic Thinking	3	4
BUS 2040	D076	Finance Skills for Managers	3	4
SOCG 1010	C273	Introduction to Sociology	3	4
HRM 3200	C234	Workforce Planning: Recruitment and Selection	3	4
ENGL 1020	C456	English Composition II	3	5
ECON 2000	D089	Principles of Economics	3	5
HRM 3600	C236	Compensation and Benefits	3	5
MGMT 2700	D253	Values-Based Leadership	3	5
BUS 2600	C716	Business Communication	3	6
MATH 1101	C955	Applied Probability and Statistics	3	6
BUS 2070	D080	Managing in a Global Business Environment	3	6
HRM 3500	C235	Training and Development	3	6
HCM 2110	C425	Healthcare Delivery Systems, Regulation, and Compliance	3	7
HUMN 1010	C100	Introduction to Humanities	3	7
MATH 1200	C957	Applied Algebra	3	7
BUS 2050	D077	Concepts in Marketing, Sales, and Customer Contact	3	7
BUS 3000	C717	Business Ethics	3	8

CCN	Course Number	Course Description	CUs	Term
SCIE 1020	C165	Integrated Physical Sciences	3	8
BUS 2140	D100	Introduction to Spreadsheets	1	8
HIST 1010	C121	Survey of United States History	3	8
BUS 2061	D079	Business Environment Applications II: Process, Logistics, and Operations	2	8
HCM 2210	C426	Healthcare Values and Ethics	3	9
BUS 3100	C723	Quantitative Analysis For Business	3	9
MGMT 3400	C722	Project Management	3	9
BUS 2111	D361	Business Simulation	4	9
MGMT 4400	C721	Change Management	3	10
HCM 2310	C427	Technology Applications in Healthcare	3	10
BUS 4800	HMP1	Cases in Advanced Human Resource Management	3	10
BUS 4880	QET1	Business - HR Management Capstone Project	4	10
<b>Total CUs: 122</b>				

## Bachelor of Science Business Administration, Information Technology Management

*The Bachelor of Science in Business Administration with a Major in Information Technology Management is a competency-based program that prepares graduates for careers in a variety of businesses involving the management of information technology resources and information technology professionals. Graduates with a major in Information Technology Management will combine a set of general business competencies with a set of in-depth competencies from the field of ITM. These competencies align with a variety of positions such as IT project manager, director of customer service, data center manager, or equivalent positions.*

CCN	Course Number	Course Description	CUs	Term
MGMT 3000	C715	Organizational Behavior	3	1
BUS 2010	D072	Fundamentals for Success in Business	3	1
BUS 2030	D075	Information Technology Management Essentials	3	1
PHIL 3010	C168	Critical Thinking and Logic	3	1
BUS 2301	C483	Principles of Management	4	2
BUS 2060	D078	Business Environment Applications I: Business Structures and Legal Environment	2	2
ENGL 1010	C455	English Composition I	3	2
MGMT 4100	C720	Operations and Supply Chain Management	3	2
MGMT 3400	C722	Project Management	3	3
ACCT 2020	D196	Principles of Financial and Managerial Accounting	3	3
BUS 2090	D082	Emotional and Cultural Intelligence	3	3
HIST 1010	C121	Survey of United States History	3	3
BUIT 3000	C724	Information Systems Management	3	4
COMM 1011	C464	Introduction to Communication	3	4
ENGL 1020	C456	English Composition II	3	4
SCIE 1020	C165	Integrated Physical Sciences	3	4
SOCG 1010	C273	Introduction to Sociology	3	5
MATH 1101	C955	Applied Probability and Statistics	3	5
ECON 2000	D089	Principles of Economics	3	5
ITEC 2205	C179	Business of IT - Applications	4	5
BUS 2140	D100	Introduction to Spreadsheets	1	6
BUS 2061	D079	Business Environment Applications II: Process, Logistics, and Operations	2	6
BUS 2040	D076	Finance Skills for Managers	3	6
ITEC 2102	C172	Network and Security - Foundations	3	6
MATH 1200	C957	Applied Algebra	3	6
HUMN 1010	C100	Introduction to Humanities	3	7
BUS 2050	D077	Concepts in Marketing, Sales, and Customer Contact	3	7
BUS 2070	D080	Managing in a Global Business Environment	3	7
MGMT 4400	C721	Change Management	3	7
HRM 2100	C232	Introduction to Human Resource Management	3	8

CCN	Course Number	Course Description	CUs	Term
BUS 2080	D081	Innovative and Strategic Thinking	3	8
MGMT 2700	D253	Values-Based Leadership	3	8
ITEC 2104	C175	Data Management - Foundations	3	8
HRM 3200	C234	Workforce Planning: Recruitment and Selection	3	9
BUS 2111	D361	Business Simulation	4	9
HRM 3600	C236	Compensation and Benefits	3	9
HRM 3100	C233	Employment Law	3	9
BUS 3100	C723	Quantitative Analysis For Business	3	10
BUS 4891	PFIT	Business - IT Management Portfolio Requirement	3	10
BUS 4890	QFT1	Business - IT Management Capstone Project	4	10
Total CUs: 120				



## Bachelor of Science Business Administration, Management

*The Bachelor of Science in Business Administration with a Major in Management is a competency-based program that prepares graduates for a variety of careers in the field of business as an entry to intermediate level manager. Graduates with a major in Management will combine a set of general business competencies with a set of in-depth competencies from the field of management. These competencies align with the management of process, people and resources and are an excellent precursor for entry into an MBA program.*

CCN	Course Number	Course Description	CUs	Term
MGMT 3000	C715	Organizational Behavior	3	1
BUS 2010	D072	Fundamentals for Success in Business	3	1
BUS 2600	C716	Business Communication	3	1
PHIL 3010	C168	Critical Thinking and Logic	3	1
HRM 2100	C232	Introduction to Human Resource Management	3	2
BUS 2301	C483	Principles of Management	4	2
ENGL 1010	C455	English Composition I	3	2
BUS 2060	D078	Business Environment Applications I: Business Structures and Legal Environment	2	2
BUS 2090	D082	Emotional and Cultural Intelligence	3	3
HIST 1010	C121	Survey of United States History	3	3
ACCT 2020	D196	Principles of Financial and Managerial Accounting	3	3
COMM 1011	C464	Introduction to Communication	3	3
BUS 2080	D081	Innovative and Strategic Thinking	3	4
BUS 2040	D076	Finance Skills for Managers	3	4
SOCG 1010	C273	Introduction to Sociology	3	4
HRM 3200	C234	Workforce Planning: Recruitment and Selection	3	4
ENGL 1020	C456	English Composition II	3	5
ECON 2000	D089	Principles of Economics	3	5
HRM 3100	C233	Employment Law	3	5
HRM 3600	C236	Compensation and Benefits	3	5
MGMT 2700	D253	Values-Based Leadership	3	6
MATH 1101	C955	Applied Probability and Statistics	3	6
BUS 2050	D077	Concepts in Marketing, Sales, and Customer Contact	3	6
HRM 3500	C235	Training and Development	3	6
BUS 3130	D099	Sales Management	3	7
HUMN 1010	C100	Introduction to Humanities	3	7
MATH 1200	C957	Applied Algebra	3	7
BUS 3000	C717	Business Ethics	3	7
ITEC 2001	C182	Introduction to IT	4	8
BUS 2061	D079	Business Environment Applications II: Process, Logistics, and Operations	2	8
MGMT 4100	C720	Operations and Supply Chain Management	3	8

CCN	Course Number	Course Description	CUs	Term
BUS 4400	QHT1	Business Management Tasks	3	8
SCIE 1020	C165	Integrated Physical Sciences	3	9
BUS 3100	C723	Quantitative Analysis For Business	3	9
BUS 2070	D080	Managing in a Global Business Environment	3	9
BUS 2111	D361	Business Simulation	4	9
MGMT 4400	C721	Change Management	3	10
MGMT 3400	C722	Project Management	3	10
HUMN 3100	C961	Ethics in Technology	3	10
BUS 4840	QGT1	Business Management Capstone Written Project	4	10
			<b>Total CUs: 122</b>	

## Bachelor of Science Business Administration, Marketing

*The Bachelor of Science in Business Administration with a Major in Marketing is a competency-based program that prepares graduates for a career in the fields of marketing and sales across a variety of business types. Graduates with a major in Marketing will combine a set of general business competencies with a set of in-depth competencies from the field of marketing. These competencies align with a variety of positions in marketing, brand management, sales and digital marketing.*

CCN	Course Number	Course Description	CUs	Term
MGMT 3000	C715	Organizational Behavior	3	1
BUS 2010	D072	Fundamentals for Success in Business	3	1
BUS 2050	D077	Concepts in Marketing, Sales, and Customer Contact	3	1
PHIL 3010	C168	Critical Thinking and Logic	3	1
MKTG 2150	D174	Marketing Management	3	2
BUS 2301	C483	Principles of Management	4	2
ENGL 1010	C455	English Composition I	3	2
BUS 2060	D078	Business Environment Applications I: Business Structures and Legal Environment	2	2
BUS 2090	D082	Emotional and Cultural Intelligence	3	3
MGMT 4100	C720	Operations and Supply Chain Management	3	3
ACCT 2020	D196	Principles of Financial and Managerial Accounting	3	3
BUSI 3731	VZT1	Marketing Applications	3	3
BUS 2080	D081	Innovative and Strategic Thinking	3	4
BUS 2040	D076	Finance Skills for Managers	3	4
SOCG 1010	C273	Introduction to Sociology	3	4
MKTG 3850	D175	Consumer Behavior	3	4
ENGL 1020	C456	English Composition II	3	5
ECON 2000	D089	Principles of Economics	3	5
COMM 1011	C464	Introduction to Communication	3	5
MGMT 2700	D253	Values-Based Leadership	3	5
BUS 2600	C716	Business Communication	3	6
MATH 1101	C955	Applied Probability and Statistics	3	6
BUS 2070	D080	Managing in a Global Business Environment	3	6
BUS 3120	D098	Digital Marketing	3	6
MKTG 3860	D176	Content Marketing	3	7
HUMN 1010	C100	Introduction to Humanities	3	7
MATH 1200	C957	Applied Algebra	3	7
MKTG 3870	D177	Brand Management	3	7
HRM 2100	C232	Introduction to Human Resource Management	3	8
SCIE 1020	C165	Integrated Physical Sciences	3	8
BUS 2140	D100	Introduction to Spreadsheets	1	8

CCN	Course Number	Course Description	CUs	Term
HIST 1010	C121	Survey of United States History	3	8
BUS 2061	D079	Business Environment Applications II: Process, Logistics, and Operations	2	8
BUS 3130	D099	Sales Management	3	9
BUS 3100	C723	Quantitative Analysis For Business	3	9
MGMT 3400	C722	Project Management	3	9
BUS 2111	D361	Business Simulation	4	9
MGMT 4400	C721	Change Management	3	10
HRM 3600	C236	Compensation and Benefits	3	10
BUS 4400	QHT1	Business Management Tasks	3	10
BUS 3880	D178	Marketing Strategy and Analytics	3	10
Total CUs: 121				

## Master of Business Administration

*The Master of Business Administration program is specifically designed for experienced business professionals and managers seeking upward career mobility or professionals who want to broaden their business knowledge.*

CCN	Course Number	Course Description	CUs	Term
MGMT 5000	C200	Managing Organizations and Leading People	3	1
HRM 5010	C202	Managing Human Capital	3	1
MGMT 5010	C204	Management Communication	3	1
MKTG 5000	C212	Marketing	3	2
ACCT 5000	C213	Accounting for Decision Makers	3	2
MGMT 6000	C206	Ethical Leadership	3	2
FINC 6000	C214	Financial Management	3	3
MGMT 6010	C207	Data-Driven Decision Making	3	3
MGMT 6020	C215	Operations Management	3	3
ECON 5000	C211	Global Economics for Managers	3	4
MGMT 6900	C216	MBA Capstone	4	4
<b>Total CUs: 34</b>				

## MBA, IT Management

*The Master of Business Administration-Information Technology Management is specifically designed for experienced business professionals and managers seeking upward career mobility in the information technology arena. The program prepares you for a mid-level to upper-level information technology management position in business, industry, and non-profit organizations.*

CCN	Course Number	Course Description	CUs	Term
MGMT 5000	C200	Managing Organizations and Leading People	3	1
ITM 5000	MGT2	IT Project Management	3	1
HRM 5010	C202	Managing Human Capital	3	1
MKTG 5000	C212	Marketing	3	2
ITM 6000	MMT2	IT Strategic Solutions	4	2
ACCT 5000	C213	Accounting for Decision Makers	3	2
MGMT 6000	C206	Ethical Leadership	3	3
FINC 6000	C214	Financial Management	3	3
MGMT 6010	C207	Data-Driven Decision Making	3	3
ECON 5000	C211	Global Economics for Managers	3	4
ITM 6900	C218	MBA, Information Technology Management Capstone	4	4
<b>Total CUs: 35</b>				

## MBA, Healthcare Management

*The Master of Business Administration Healthcare Management is specifically designed for those in an array of leadership roles as well as those transitioning into healthcare from a different industry to develop strong health care leaders by strengthening your analytical and critical thinking skills. The program prepares you for a mid-level to upper-level management position in private and public sectors of the healthcare industry including hospitals, health system management, consulting, physician practices, and government and non-government agencies.*

CCN	Course Number	Course Description	CUs	Term
MGMT 5000	C200	Managing Organizations and Leading People	3	1
MGMT 6020	C215	Operations Management	3	1
HCM 5000	AFT2	Accreditation Audit	4	1
ACCT 5000	C213	Accounting for Decision Makers	3	2
FINC 6000	C214	Financial Management	3	2
MGMT 6000	C206	Ethical Leadership	3	2
MGMT 6010	C207	Data-Driven Decision Making	3	3
MKTG 5000	C212	Marketing	3	3
HCM 6000	AMT2	Service Line Development	4	3
ECON 5000	C211	Global Economics for Managers	3	4
HCM 6900	C219	MBA, Healthcare Management Capstone	4	4
<b>Total CUs: 36</b>				



## Master of Science, Management and Leadership

*The Master of Science, Management and Leadership degree program focuses on management and leadership skills that can be applied to multiple settings, including business, government, non-profit, or education. The program prepares you with knowledge and skills to lead through collaboration, team building, interpersonal communication and virtual environments. You will learn applicable leadership skills to foster creativity, innovation and change. The program includes topics such as organizational planning, leadership, conflict resolution and negotiation, communication and other management skills. You will enhance your ability to manage in a dynamic business environment that promotes growth, creativity and innovation. You will demonstrate the essential leadership practices of inspiring a vision, encouraging others to act, data-driven strategic planning, ethical reasoning, negotiation, critical thinking, and complex problem solving, which are all necessary to be successful leaders.*

CCN	Course Number	Course Description	CUs	Term
MGMT 5000	C200	Managing Organizations and Leading People	3	1
MGMT 5020	C203	Becoming an Effective Leader	3	1
HRM 5010	C202	Managing Human Capital	3	1
BUS 5000	C201	Business Acumen	3	2
MGMT 5010	C204	Management Communication	3	2
MGMT 6000	C206	Ethical Leadership	3	2
MGMT 5030	C205	Leading Teams	3	3
MGMT 6040	C208	Change Management and Innovation	3	3
MGMT 6050	C209	Strategic Management	3	3
MGMT 6910	C210	Management and Leadership Capstone	4	4
<b>Total CUs: 31</b>				

## Master of Science, Accounting

*The Master of Science in Accounting (MAcc) degree provides the advanced accounting knowledge and skills that you need for a successful career as a professional accountant in public accounting, industry, government and non-profit organizations. A primary objective of the masters program is to build on the knowledge gained in an undergraduate accounting program and help prepare you to sit for the CPA (Certified Public Accountant) exam\*, the Certified Management Accounting (CMA) exam, and the Certified Internal Auditor (CIA) exam. This program focuses not only on the technical and analytical skills necessary for accounting positions, but also incorporates critical communication and strategic skills required in today's fast changing world. You will learn to assess complex transactions and determine the proper treatment of those transactions in conformance with generally accepted accounting principles (GAAP). You will also learn advanced auditing skills to be able to enhance internal controls of an organization and identify material weaknesses in those controls. You will develop and be able to apply advanced managerial accounting techniques in real-world situations as well as become familiar with the accounting for governmental and nonprofit organizations. At the end of this program, you will have gained necessary analytical skills to address complex financial information and make appropriate recommendations to management. \* Students may need to meet additional state-specific requirements to be eligible to sit for the CPA exam.*

CCN	Course Number	Course Description	CUs	Term
ACCT 6000	C254	Fraud and Forensic Accounting	3	1
ACCT 6201	D251	Advanced Auditing	3	1
ACCT 5300	C253	Advanced Managerial Accounting	3	1
FINC 6000	C214	Financial Management	3	2
MGMT 6050	C209	Strategic Management	3	2
ACCT 5100	C243	Advanced Financial Accounting	3	2
ACCT 6301	D252	Accounting Research and Critical Thinking	3	3
ACCT 5201	D250	Governmental and Nonprofit Accounting	3	3
MGMT 5010	C204	Management Communication	3	3
ACCT 6100	C239	Advanced Tax Concepts	3	4
<b>Total CUs: 30</b>				

# College of Health Professions

## College of Health Professions Tenets:

- **Each student is unique.** We align our systems and resources using Learner-Centered Faculty (LCF) tools to support each personal journey toward graduation and success in their chosen healthcare career.
- **Access matters.** The lack of diversity in ethnicity and gender in the healthcare workforce contributes to the continued disparities in health outcomes. We create access for diverse populations through onramps and visible career pathways to change the composition of the healthcare workforce and improve health outcomes.
- **Equity is an opportunity equalizer.** We eliminate barriers and allocate resources to provide equity in access and education for our learners, so they demonstrate equity in the care and services they provide as graduates. We focus on improving fairness and eliminating bias in teaching and learning.
- **Data matters.** Our insights come from examining (and improving) processes at the program level and every level of the college using the lens of our learner populations as our guide. Disparities in learner outcomes signal needed changes in student support and data informs our ability to adjust in agile ways.
- **Our learning products power the healthcare workforce.** We continually evaluate the learning needs of the healthcare industry and diversify our portfolio to include in-demand health professions degrees, microcredentials and other learning products that position students for career success and provide needed talent to employers.
- **Value and affordability are of equal importance.** High quality, accredited health professions education requires validation of competencies for patient and system engagement through supervised field experiences. We ensure that learners are well prepared for the complexities of practice and carefully evaluate costs, so students have an affordable, relevant education while ensuring quality and college sustainability.
- **Partnerships accelerate our impact.** We accelerate our reach and impact through mutually beneficial partnerships. These relationships include donors, employers, educational institutions and healthcare industry organizations and associations.

## Bachelor of Science, Nursing

*The prelicensure BSN degree focuses on contemporary nursing practices to build nursing skills and competencies using technology-based learning. It is structured to develop competent, BSN nurses in a program that is sustainable, scalable, and nationally relevant. The prelicensure BSN program includes a strategic partnership between the Western Governors University Nursing Program and healthcare employers who provide practice sites and clinical coaches. Graduates are prepared to function in new roles as members of healthcare teams in many settings. The prelicensure BSN program includes the study of medical-surgical (including critical care), psychiatric/mental health, pediatrics, obstetrics, and community health nursing and includes courses on evidence-based practice, research, leadership, nursing informatics, and professional nursing roles and values. Graduates are eligible to apply to take the NCLEX-RN exam for state licensure and be prepared to seek nursing positions for military, U.S. Public Health, and VA appointments as well as assume roles in school, community, and occupational health, and other acute and non-acute care settings. BSN graduates are also prepared to enter MS, Nursing programs. This degree program includes online and distance learning plus high fidelity simulation labs and hands on clinical experiences. The WGU prelicensure BS, Nursing program is evidence-based and developed according to The Essentials of Baccalaureate Education for Professional Practice from the American Association of Colleges of Nursing (2008) ([click here to view](#)). In addition, it incorporates competencies and standards from professional organizations and state regulations.*

CCN	Course Number	Course Description	CUs	Term
MATH 1100	C784	Applied Healthcare Statistics	4	1
ENGL 1010	C455	English Composition I	3	1
BIO 2010	C107	Anatomy and Physiology I	4	1
COMM 1011	C464	Introduction to Communication	3	1
BIO 2011	C405	Anatomy and Physiology II	4	2
PSYC 1010	C180	Introduction to Psychology	3	2
HUMN 1010	C100	Introduction to Humanities	3	2
SOCG 1010	C273	Introduction to Sociology	3	2
NURS 2300	C453	Clinical Microbiology	4	3
POLS 1020	C181	Survey of United States Constitution and Government	3	3
PSYC 2010	C217	Human Growth and Development Across the Lifespan	3	3
CHEM 3503	C785	Biochemistry	3	3
COMM 3113	C820	Professional Leadership and Communication for Healthcare	2	4
NURS 2211	C825	Introduction to Nursing Arts and Science	3	4
NURS 2035	C787	Health and Wellness Through Nutritional Science	3	4
NURS 2410	C486	Organizational Systems: Safety and Regulation	1	4
NURS 2710	C466	Medication Dosage Calculations	1	4
NURS 2060	C467	Pharmacology	2	4
NURS 3510	C468	Information Management and the Application of Technology	3	5
NURS 3210	C469	Caring Arts and Science Across the Lifespan Part I	4	5
NURS 3215	C470	Caring Arts and Science Across the Lifespan Part I Clinical Learning	2	5
NURS 3100	C492	Physical Assessment	4	5
NURS 3220	C471	Caring Arts and Science Across the Lifespan Part II	4	6
NURS 3225	C472	Caring Arts and Science Across the Lifespan Part II Clinical Learning	2	6
NURS 3230	C473	Care of Adults with Complex Illnesses	3	6

CCN	Course Number	Course Description	CUs	Term
NURS 3235	C474	Clinical Learning for Complex Illnesses in Adults	3	6
NURS 2015	C304	Professional Roles and Values	3	7
NURS 3330	C475	Care of the Older Adult	3	7
NURS 4250	C476	Psychiatric and Mental Health Nursing	3	7
NURS 4251	C487	Psych/Mental Health Clinical	2	7
NURS 3310	C465	Care of the Developing Family	4	7
NURS 3320	C477	Nursing Care of Children	4	8
NURS 3418	C826	Community Health and Population-Focused Nursing	3	8
NURS 3420	C230	Community Health and Population-Focused Nursing Clinical	2	8
NURS 4011	C361	Evidence Based Practice and Applied Nursing Research	3	8
NURS 4220	C488	Critical Care Nursing	4	9
NURS 4225	C478	Critical Care Nursing Clinical Learning	2	9
NURS 4210	C489	Organizational Systems and Quality Leadership	3	9
NURS 4911	C490	Professional Nursing Role Transition	3	9
NURS 4800	C491	Nursing Clinical Practicum	4	10
<b>Total CUs: 120</b>				

## Bachelor of Science, Nursing

*The RN to BSN degree builds on the foundation of previous nursing education at the associate degree or diploma levels. Initial licensure programs prepare graduates for RN licensure with courses in the biological and social sciences and nursing. The BSN degree for RNs expands knowledge in areas of research, theory, leadership, community concepts, healthcare policy, therapeutic interventions, and current trends in healthcare. Graduates are prepared to function in new roles as members of healthcare teams in many settings. Graduates are eligible for military, U.S. Public Health, and VA appointments as well as roles in school health, community, occupational, and other non-acute care settings. BSN graduates are also prepared to enter MSN programs. All work in this degree program is online and at a distance. The WGU RN to BSN program is evidence-based and developed according to The Essentials of Baccalaureate Education for Professional Nursing Practice from the American Association of Colleges of Nursing American Association of Colleges of Nursing (2021). In addition, it incorporates competencies and standards from other specialty organizations.*

CCN	Course Number	Course Description	CUs	Term
NURS 2000	C494	Advanced Standing for RN License	50	1
NURS 3114	D235	Interprofessional Communication and Leadership in Healthcare	2	2
MATH 1100	C784	Applied Healthcare Statistics	4	2
ENGL 1711	D269	Composition: Writing with a Strategy	3	2
SCIE 1011	D312	Anatomy and Physiology I with Lab	4	2
COMM 3015	D268	Introduction to Communication: Connecting with Others	3	3
SCIE 1012	D313	Anatomy and Physiology II with Lab	4	3
PSYC 1010	C180	Introduction to Psychology	3	3
HUMN 1020	D198	Global Arts and Humanities	3	3
SOCG 1010	C273	Introduction to Sociology	3	4
NURS 1010	D311	Microbiology with Lab: A Fundamental Approach	4	4
HIST 1016	D266	World History: Diverse Cultures and Global Connections	3	4
PSYC 1020	D202	Human Growth and Development	3	4
NURS 3600	D218	Intrapersonal Leadership and Professional Growth	3	5
NURS 3610	D219	Scholarship in Nursing Practice	3	5
NURS 2508	D236	Pathophysiology	3	5
NURS 3620	D220	Information Technology in Nursing Practice	3	5
NURS 3630	D221	Organizational Systems and Healthcare Transformation	3	6
NURS 3640	D222	Comprehensive Health Assessment	3	6
NURS 2650	D223	Healthcare Policy and Economics	3	6
NURS 3660	D224	Global and Population Health	4	6
NURS 3670	D225	Emerging Professional Practice	3	7
NURS 3660	D226	BSNU Capstone	3	7
<b>Total CUs: 120</b>				

## Bachelor of Science, Health Information Management

*The Bachelor of Science in Health Information Management provides a solid foundation in healthcare information systems and data management technologies for healthcare organizations including healthcare regulation, project management of health systems, databases, and security. In addition to the health information management content, the degree program includes a broad collegiate education. The program is designed for those who have some technical or clinical knowledge in a health care environment and are ready to move to increased levels of expertise and knowledge in the health information management field. The health information management component of the Bachelor of Science program consists of the following areas of study: Healthcare Data, Health Information Technology, Medical Terminology, Pathophysiology and Pharmacology. There are several other areas of study that students master including Fundamentals of IT in Healthcare, Legal and Ethical Considerations in Healthcare, Leadership and Management, Anatomy and Physiology, Healthcare Compliance and Coding, Project Management, Financial Resource Management, and Healthcare Statistics. There are two professional practice experiences required for the program. At the end of the program, students complete a capstone project.*

CCN	Course Number	Course Description	CUs	Term
COMM 3113	C820	Professional Leadership and Communication for Healthcare	2	1
HLTH 3501	C802	Foundations in Healthcare Information Management	4	1
HIM 2011	C799	Healthcare Ecosystems	3	1
ENGL 1711	D269	Composition: Writing with a Strategy	3	1
ENGL 1712	D270	Composition: Successful Self-Expression	3	2
COMM 3015	D268	Introduction to Communication: Connecting with Others	3	2
POLS 1030	C963	American Politics and the US Constitution	3	2
HIM 2150	C804	Medical Terminology	3	2
BIO 2010	C107	Anatomy and Physiology I	4	3
HUMN 1010	C100	Introduction to Humanities	3	3
MATH 1200	C957	Applied Algebra	3	3
BIO 1010	C190	Introduction to Biology	3	3
HCM 2507	C805	Pathophysiology	3	4
HIM 2421	C806	Introduction to Pharmacology	3	4
HIM 2104	C810	Foundations in Healthcare Data Management	3	4
HLTH 2100	D033	Healthcare Information Systems Management	3	4
PHIL 1020	D265	Critical Thinking: Reason and Evidence	3	5
HLTH 2110	D254	Introduction to Medical Coding	3	5
HIM 2215	C801	Health Information Law and Regulations	4	5
PSYC 1010	C180	Introduction to Psychology	3	5
HIM 4610	C812	Healthcare Reimbursement	4	6
HIM 4511	C815	Quality and Performance Management and Methods	4	6
HIM 2002	D190	Introduction to Healthcare IT Systems	4	6
HLTH 3315	C803	Data Analytics and Information Governance	4	7
HIM 3215	C807	Healthcare Compliance	3	7
HIM 2515	C808	Classification Systems	4	7
HIM 3701	C811	Healthcare Financial Resource Management	4	7
MATH 1100	C784	Applied Healthcare Statistics	4	8



CCN	Course Number	Course Description	CUs	Term
HIM 4502	C813	Healthcare Statistics and Research	3	8
HLTH 4905	D255	Professional Practice Experience I: Technical	3	8
HLTH 2120	D256	Principles of Management in Health Information Management	3	8
HLTH 3	D257	Healthcare Project Management	4	9
HIM 3205	C816	Healthcare System Applications	4	9
HLTH 3100	D258	Organizational Leadership in Healthcare	3	9
HLTH 4906	D259	Professional Practice Experience II: Management	4	9
HIM 4507	D260	Health Information Management Capstone	4	10
<b>Total CUs: 121</b>				

## Bachelor of Science, Health Services Coordination

*The Bachelor of Science in Health Services Coordination prepares graduates to coordinate within and between healthcare providers, patients, care givers, and services to improve the effectiveness, safety, and efficiency of an increasingly complex healthcare system. Graduates will be prepared to navigate emerging value-based care systems, participate as a partner to plan interventions, promote patient-centered holistic care, and provide integrated care management.*

CCN	Course Number	Course Description	CUs	Term
COMM 3113	C820	Professional Leadership and Communication for Healthcare	2	1
HIM 2150	C804	Medical Terminology	3	1
ENGL 1010	C455	English Composition I	3	1
HSC 2100	D046	Introduction to Care Coordination	3	1
PSYC 1010	C180	Introduction to Psychology	3	1
HSC 2210	D065	Healthcare Ecosystems	3	2
BIO 2010	C107	Anatomy and Physiology I	4	2
HSC 2200	D047	Roles and Responsibilities in an Interdisciplinary Team	3	2
SOCG 1010	C273	Introduction to Sociology	3	2
BIO 2011	C405	Anatomy and Physiology II	4	3
HSC 2310	D066	Health and Wellness through Nutritional Science	3	3
HSC 2300	D048	Communication and Organizational Awareness	3	3
MATH 1100	C784	Applied Healthcare Statistics	4	3
PSYC 2010	C217	Human Growth and Development Across the Lifespan	3	4
HSC 2400	D049	Critical Thinking and Strategic Decision-Making	3	4
HSC 2410	D067	Care of the Older Adult	3	4
HSC 2420	D068	Introduction to Pharmacology	3	4
PHIL 3010	C168	Critical Thinking and Logic	3	5
HSC 2500	D050	History of Healthcare in America	3	5
HSC 2800	D053	Contemporary Topics and the Influence on Healthcare Today	3	5
HSC 2510	D069	Pathophysiology	3	5
HSC 2700	D052	Navigating Care Across the Continuum	3	6
HSC 2600	D051	Care for Individuals and Families	3	6
HSC 3100	D054	Cultural Awareness for the Healthcare Professional	3	6
HSC 3200	D055	Evidenced-Based Practice for Care Coordination	3	6
HSC 2610	D070	Technology Applications in Healthcare	3	7
HSC 3620	D071	Financial Resource Management and Healthcare Reimbursement	4	7
HSC 3300	D056	Care at the End of Life	3	7
HSC 3400	D057	Health Equity and Social Determinants of Health	3	7
HSC 3500	D058	Health Literacy for the Client and Family	3	8
HSC 3600	D059	Healthcare Values and Ethics	3	8

CCN	Course Number	Course Description	CUs	Term
HSC 3700	D060	Community Relations and Leadership	3	8
HSC 3800	D061	Care Coordination for the Patient (Chronic, Palliative, Behavioral, Population)	4	8
HSC 4100	D062	Health Services Coordination Field Experience	3	9
HSC 3900	D063	Models of Care and Healthcare Trends	3	9
HSC 4200	D064	Health Services Coordination Capstone	3	9
<b>Total CUs: 112</b>				

## Master of Science, Nursing - Family Nurse Practitioner (BSN to MSN)

*The Master of Science, Nursing - Family Nurse Practitioner (MSNUFNP) program is a cutting-edge competency-based graduate program for nurses wishing to become advanced practice registered nurses (APRNs) with the Family Nurse Practitioner (FNP) population focus. FNP's deliver cost-effective, holistic, high-quality primary care to individuals, families, and communities across the lifespan. The MSNUFNP program will prepare graduates to excel in the assessment, diagnostic, prescriptive, and treatment processes of advanced practice, as well as in delivering disease prevention and health promotion. In addition to the clinical skills graduates will develop in the MSNUFNP program, graduates will be prepared to lead interprofessional healthcare teams, shape healthcare policy, and make business decisions in order to more efficiently deliver high-quality, cost-effective care to individuals, families, and communities. The MSNUFNP program is a blended program with the majority of the coursework delivered online, plus hands-on clinical practice experiences occurring in the local community. Graduates of the MSNUFNP program are eligible to sit for the FNP national certification examination of their choice. Additionally, the MSNUFNP program will prepare graduates to successfully transition to clinical practice in delivering care to individuals, families, and communities.*

CCN	Course Number	Course Description	CUs	Term
NURS 5201	D024	Professional Presence and Influence	2	1
NURS 5202	D025	Essentials of Advanced Nursing Roles and Interprofessional Practice	2	1
NURS 5203	D026	Quality Outcomes in a Culture of Value-Based Nursing Care	2	1
NURS 5206	D029	Informatics for Transforming Nursing Care	3	1
NURS 5207	D030	Leadership and Management in Complex Healthcare Systems	3	2
NURS 6308	D031	Advancing Evidence-Based Innovation in Nursing Practice	3	2
NURS 5800	D115	Advanced Pathophysiology for the Advanced Practice Nurse	4	2
NURS 6800	D116	Advanced Pharmacology for the Advanced Practice Nurse	4	3
NURS 6810	D117	Advanced Health Assessment for the Advanced Practice Nurse	4	3
NURS 6820	D118	Adult Primary Care for the Advanced Practice Nurse	3	4
NURS 6830	D119	Pediatric Primary Care for the Advanced Practice Nurse	3	4
NURS 6840	D120	Special Populations Primary Care for the Advanced Practice Nurse	3	4
NURS 6820	D121	Health Promotion of Patients and Populations Across the Lifespan	3	5
NURS 6830	D122	Family Nurse Practitioner Clinical Internship I	3	5
NURS 6861	D123	Family Nurse Practitioner Clinical Internship II	3	5
NURS 6850	D124	Family Nurse Practitioner Clinical Internship III	3	6
<b>Total CUs: 48</b>				

## Master of Science, Nursing - Psychiatric Mental Health Nurse Practitioner

*The Master of Science, Nursing - Psychiatric Mental Health Nurse Practitioner (MSNUPMHNP) program is a cutting-edge competency-based graduate program for nurses wishing to become advanced practice registered nurses (APRN) with the Psychiatric Mental Health Nurse Practitioner (PMHNP) population focus. PMHNPs deliver cost-effective, holistic, high-quality mental health care to individuals, families, and communities across the lifespan and care setting. The MSNUPMHNP program will prepare graduates to excel in the assessment, diagnostic, prescriptive, and psychotherapeutic treatment processes of advanced practice, as well as in delivering disease prevention and health promotion. In addition to the clinical skills graduates will develop in the MSNUPMHNP program, graduates will be prepared to lead interprofessional healthcare teams, shape healthcare policy, and make business decisions in order to more efficiently deliver high-quality, cost-effective care to individuals, families, and communities across care settings. The MSNUPMHNP program is a blended program with the majority of the coursework delivered online, plus direct patient care clinical practice experiences occurring in the local community. Graduates of the MSNUPMHNP program are eligible to sit for the PMHNP national certification examination. Additionally, the MSNUPMHNP program will prepare graduates to successfully transition to clinical practice in delivering mental health care to individuals, families, and communities across the lifespan and care settings.*

CCN	Course Number	Course Description	CUs	Term
NURS 5201	D024	Professional Presence and Influence	2	1
NURS 5800	D115	Advanced Pathophysiology for the Advanced Practice Nurse	4	1
NURS 5202	D025	Essentials of Advanced Nursing Roles and Interprofessional Practice	2	1
NURS 5203	D026	Quality Outcomes in a Culture of Value-Based Nursing Care	2	2
NURS 5206	D029	Informatics for Transforming Nursing Care	3	2
NURS 6800	D116	Advanced Pharmacology for the Advanced Practice Nurse	4	2
NURS 5207	D030	Leadership and Management in Complex Healthcare Systems	3	3
NURS 6308	D031	Advancing Evidence-Based Innovation in Nursing Practice	3	3
NURS 6810	D117	Advanced Health Assessment for the Advanced Practice Nurse	4	3
NURS 6436	D343	Foundations of Advanced Psychiatric Mental Health Practice	3	4
NURS 6437	D344	The Assessment and Diagnostic Process of Psychiatric Nurse Practitioner Practice	3	4
NURS 6348	D345	Psychopharmacology for Advanced Psychiatric Mental Health Practice	3	4
NURS 6439	D346	Advanced Psychological Care of Adults and Older Adults Across Care Settings	3	5
NURS 6440	D347	Advanced Psychological Care of Children and Adolescents Across Care Settings	3	5
NURS 6480	D348	Psychiatric Mental Health Nurse Practitioner Clinical Internship I	3	5
NURS 6481	D349	Psychiatric Mental Health Nurse Practitioner Clinical Internship II	3	6
NURS 6482	D350	Psychiatric Mental Health Nurse Practitioner Clinical Internship III	3	6
<b>Total CUs: 51</b>				

## Master of Science, Nursing - Education (BSN to MSN)

*The Master of Science in Nursing, Education degree is a competency-based program that prepares graduates to be academic nurse educators in various educational and practice settings. Graduates are prepared to lead collaborative academic-practice partnerships to strengthen nursing practice by developing nurses who will lead and advance health in diverse populations. As academic nurse educators, graduates demonstrate a professional presence by helping nursing students acquire the knowledge, skills and competencies to work effectively in inter-professional teams across a variety of academic and healthcare settings. The WGU Master of Science in Nursing Education content is based on national standards and evidence-based research related to effective teaching, learning, curriculum design and development and nursing role development. It provides the knowledge and skills that enable educators to teach effectively in clinical and lab, online, hybrid, virtual and classroom learning environments. The content, resources, activities, and assessments in this program are consistent with recommendations from American Association of Colleges of Nursing (AACN), The Essentials of Master's Education in Nursing (2011) and the National League for Nursing (NLN), Scope of Practice for Academic Nurse Educators (2012). The hallmarks of our program include: (a) authentic learning experiences, b) evidence-based course preparation, and c) self-paced learning in an asynchronous online learning environment. Developing context-based curriculum, objectives, and learning materials are an essential aspect of an academic educator role. MSN Education graduates will experience theoretical applications and practical perspectives regarding learning styles, the development and socialization of learners, strategies to facilitate learning, and contemporary design and development of high-quality courses and assessments.*

CCN	Course Number	Course Description	CUs	Term
NURS 5201	D024	Professional Presence and Influence	2	1
NURS 5202	D025	Essentials of Advanced Nursing Roles and Interprofessional Practice	2	1
NURS 5203	D026	Quality Outcomes in a Culture of Value-Based Nursing Care	2	1
NURS 5206	D029	Informatics for Transforming Nursing Care	3	1
NURS 5207	D030	Leadership and Management in Complex Healthcare Systems	3	2
NURS 6308	D031	Advancing Evidence-Based Innovation in Nursing Practice	3	2
NURS 5204	D027	Advanced Pathopharmacological Foundations	3	2
NURS 5205	D028	Advanced Health Assessment for Patients and Populations	3	3
NURS 6101	C918	Evolving Roles of Nurse Educators in Diverse Environments	2	3
NURS 6002	C919	Facilitation of Context-Based Student-Centered Learning	2	3
NURS 6003	C920	Contemporary Curriculum Design and Development in Nursing Education	2	3
NURS 6004	C921	Assessment and Evaluation Strategies for Measuring Student Learning	3	4
NURS 6005	C922	Emerging Trends and Challenges in 21st Century Nursing Education	2	4
NURS 6201	C946	Nursing Education Field Experience	2	4
NURS 6107	C947	Nursing Education Capstone	2	4
<b>Total CUs: 36</b>				

## Master of Science, Nursing - Leadership and Management (BSN to MSN)

*The Master of Science, Nursing - Leadership and Management is a competency-based program that prepares graduates to be leaders and managers in diverse settings: hospitals, long term care facilities, community service agencies, governmental agencies and facilities, and corporations. Graduates use their organizational, analytic, strategic planning, financial, human resources, and evaluation skills across healthcare organizations. The WGU Master of Science, Nursing - Leadership and Management program content is evidence-based, drawing on national standards and research related to creating work environments that are collaborative, interdisciplinary, and promote effective functioning in complex nursing and healthcare environments. The Master of Science, Nursing - Leadership/Management content and processes are consistent with the American Nurses Association (ANA) Standards for Nurse Administrators and the American Organization for Nursing Leadership (AONL) competencies for nursing managers and executives. The degree program is focused on the preparation of highly qualified nurse administrators (nurse managers and nurse executives). This program consists of developing core knowledge related to complexities of healthcare, access, quality, and costs for diverse populations. New nursing knowledge includes research, theory, technology applied to nursing practice, evidence-based practice, ethics, and new roles for master's prepared nurses. Areas of focus include organizational and leadership theories, strategic planning, regulatory standards, risk management, principles of financial management, and concepts of human resource management. A case study approach is used to examine organizational, financial, and personnel issues and their resolution. The process for assessment, measurement, evaluation, and use of outcome data for improvement is presented.*

CCN	Course Number	Course Description	CUs	Term
NURS 5201	D024	Professional Presence and Influence	2	1
NURS 5202	D025	Essentials of Advanced Nursing Roles and Interprofessional Practice	2	1
NURS 5203	D026	Quality Outcomes in a Culture of Value-Based Nursing Care	2	1
NURS 5206	D029	Informatics for Transforming Nursing Care	3	1
NURS 5207	D030	Leadership and Management in Complex Healthcare Systems	3	2
NURS 6308	D031	Advancing Evidence-Based Innovation in Nursing Practice	3	2
NURS 5204	D027	Advanced Pathopharmacological Foundations	3	2
NURS 5205	D028	Advanced Health Assessment for Patients and Populations	3	3
NURS 6431	D155	Leading with Personal Mastery	2	3
NURS 6432	D156	Business Case Analysis for Healthcare Improvement	2	3
NURS 6433	D157	Managing Resources in an Era of Disruption	2	3
NURS 6434	D158	Strategically Planning the Execution of a Healthcare Improvement Project	2	4
NURS 6435	D159	Evidence-Based Measures for Evaluating Healthcare Improvements	2	4
NURS 6503	D160	Nursing Leadership and Management Field Experience	3	4
NURS 6603	D161	Nursing Leadership and Management Capstone	2	4
<b>Total CUs: 36</b>				

## Master of Science, Nursing - Nursing Informatics (BSN to MSN)

*The Master of Science degree in Nursing Informatics is a competency-based program that prepares graduates for a rewarding career as a specialist in the field of Nursing Informatics. Informatics Nurse Specialists have the knowledge, skills, and expertise to design, develop, implement, and evaluate Health Information Systems that support the delivery of safe, efficient and high-quality healthcare services. Students in the WGU Master of Science Nursing Informatics program apply systems-thinking strategies to transform data to wisdom for understanding the determinants and distribution of healthcare needs in diverse populations. This program prepares students to select and use contemporary technologies to collaborate with interprofessional teams for the development and implementation of health education programs, evidence-based practices, and point-of-care policies. Through the integration of nursing science, computer science and information science, students will develop competencies for performing advanced informatics skills to improve health outcomes, such as data capture, management, mining, and analysis. This masters degree program supports students in applying their knowledge and conceptual understanding of nursing informatics to real-world situations where the use of information and communication technologies are essential for delivering and coordinating care across multiple settings. Graduates of the WGU Master of Science Nursing Informatics program are prepared to gather, document, and analyze outcome data that will serve as a foundation for data-driven decisions that inform practice processes and the implementation of interventions or strategies to improve healthcare outcomes.*

CCN	Course Number	Course Description	CUs	Term
NURS 5201	D024	Professional Presence and Influence	2	1
NURS 5202	D025	Essentials of Advanced Nursing Roles and Interprofessional Practice	2	1
NURS 5203	D026	Quality Outcomes in a Culture of Value-Based Nursing Care	2	1
NURS 5206	D029	Informatics for Transforming Nursing Care	3	1
NURS 5207	D030	Leadership and Management in Complex Healthcare Systems	3	2
NURS 6308	D031	Advancing Evidence-Based Innovation in Nursing Practice	3	2
NURS 5204	D027	Advanced Pathopharmacological Foundations	3	2
NURS 5205	D028	Advanced Health Assessment for Patients and Populations	3	3
NURS 5745	C790	Foundations in Nursing Informatics	2	3
NURS 6701	C797	Data Science and Analytics	2	3
NURS 6010	C792	Data Modeling and Database Management Systems	2	3
NURS 6702	C798	Informatics System Analysis and Design	3	4
NURS 6020	C854	Nursing Informatics Field Experience	4	4
NURS 6030	C855	Nursing Informatics Capstone	2	4

**Total CUs: 36**



## Master of Science, Nursing - Education (RN to MSN)

*The Master of Science in Nursing Education degree is a competency-based program that prepares graduates to be academic nurse educators in various educational and practice settings. Graduates are prepared to lead collaborative academic-practice partnerships to strengthen nursing practice by developing nurses who will lead and advance health in diverse populations. As academic nurse educators, graduates demonstrate a professional presence by helping nursing students acquire the knowledge, skills and competencies to work effectively in inter-professional teams across a variety of academic and healthcare settings. The WGU Master of Science in Nursing Education content is based on national standards and evidence-based research related to effective teaching, learning, curriculum design and development and nursing role development. It provides the knowledge and skills that enable educators to teach effectively in clinical and lab, online, hybrid, virtual and classroom learning environments. The content, resources, activities, and assessments in this program are consistent with recommendations from American Association of Colleges of Nursing (AACN), The Essentials of Master's Education in Nursing (2011) and the National League for Nursing (NLN), Scope of Practice for Academic Nurse Educators (2012). The hallmarks of our program include: (a) authentic learning experiences, b) evidence-based course preparation, and c) self-paced learning in an asynchronous online learning environment. Developing context-based curriculum, objectives, and learning materials are an essential aspect of an academic educator role. MSN Education graduates will experience theoretical applications and practical perspectives regarding learning styles, the development and socialization of learners, strategies to facilitate learning, and contemporary design and development of high-quality courses and assessments.*

CCN	Course Number	Course Description	CUs	Term
NURS 2000	C494	Advanced Standing for RN License	50	1
NURS 3114	D235	Interprofessional Communication and Leadership in Healthcare	2	2
MATH 1100	C784	Applied Healthcare Statistics	4	2
ENGL 1711	D269	Composition: Writing with a Strategy	3	2
SCIE 1011	D312	Anatomy and Physiology I with Lab	4	3
COMM 3015	D268	Introduction to Communication: Connecting with Others	3	3
SCIE 1012	D313	Anatomy and Physiology II with Lab	4	3
PSYC 1010	C180	Introduction to Psychology	3	4
HUMN 1020	D198	Global Arts and Humanities	3	4
SOCG 1010	C273	Introduction to Sociology	3	4
NURS 1010	D311	Microbiology with Lab: A Fundamental Approach	4	5
HIST 1016	D266	World History: Diverse Cultures and Global Connections	3	5
PSYC 1020	D202	Human Growth and Development	3	5
NURS 2508	D236	Pathophysiology	3	6
NURS 3640	D222	Comprehensive Health Assessment	3	6
NURS 2650	D223	Healthcare Policy and Economics	3	6
NURS 3660	D224	Global and Population Health	4	7
NURS 3670	D225	Emerging Professional Practice	3	7
NURS 5201	D024	Professional Presence and Influence	2	7
NURS 5202	D025	Essentials of Advanced Nursing Roles and Interprofessional Practice	2	8
NURS 5206	D029	Informatics for Transforming Nursing Care	3	8
NURS 5207	D030	Leadership and Management in Complex Healthcare Systems	3	8
NURS 6308	D031	Advancing Evidence-Based Innovation in Nursing Practice	3	9
NURS 5203	D026	Quality Outcomes in a Culture of Value-Based Nursing Care	2	9

CCN	Course Number	Course Description	CUs	Term
NURS 5204	D027	Advanced Pathopharmacological Foundations	3	9
NURS 5205	D028	Advanced Health Assessment for Patients and Populations	3	10
NURS 6101	C918	Evolving Roles of Nurse Educators in Diverse Environments	2	10
NURS 6002	C919	Facilitation of Context-Based Student-Centered Learning	2	10
NURS 6003	C920	Contemporary Curriculum Design and Development in Nursing Education	2	10
NURS 6004	C921	Assessment and Evaluation Strategies for Measuring Student Learning	3	11
NURS 6005	C922	Emerging Trends and Challenges in 21st Century Nursing Education	2	11
NURS 6201	C946	Nursing Education Field Experience	2	11
NURS 6107	C947	Nursing Education Capstone	2	11
<b>Total CUs: 141</b>				

## Master of Science, Nursing - Leadership and Management (RN to MSN)

*The Master of Science, Nursing - Leadership and Management (RN to MSN) is a competency-based program that builds on the foundation of students' previous nursing education at the associate degree or diploma levels. The BSN portion of the program focuses on contemporary nursing practice, developing students' skills and competencies using technology-based learning. It is structured to develop high quality, highly educated BSN nurses. Graduates are equipped to function in new roles as members of healthcare teams in many settings by expanding their knowledge in areas of research, theory, community concepts, healthcare policy, therapeutic interventions, and current trends in health care. Graduates will be eligible for military, U.S. Public Health, and VA appointments, as well as roles in school health, community, occupational, and other care settings. The MSN portion of the program further prepares graduates to be leaders and managers in diverse settings; hospitals, long-term care facilities, community service agencies, governmental agencies and facilities, and corporations. Graduates use their organizational, analytic, strategic planning, financial, human resources, and evaluation skills across diverse nursing and healthcare settings.*

CCN	Course Number	Course Description	CUs	Term
NURS 2000	C494	Advanced Standing for RN License	50	1
NURS 3114	D235	Interprofessional Communication and Leadership in Healthcare	2	2
MATH 1100	C784	Applied Healthcare Statistics	4	2
ENGL 1711	D269	Composition: Writing with a Strategy	3	2
SCIE 1011	D312	Anatomy and Physiology I with Lab	4	3
COMM 3015	D268	Introduction to Communication: Connecting with Others	3	3
SCIE 1012	D313	Anatomy and Physiology II with Lab	4	3
PSYC 1010	C180	Introduction to Psychology	3	4
HUMN 1020	D198	Global Arts and Humanities	3	4
SOCG 1010	C273	Introduction to Sociology	3	4
NURS 1010	D311	Microbiology with Lab: A Fundamental Approach	4	5
HIST 1016	D266	World History: Diverse Cultures and Global Connections	3	5
PSYC 1020	D202	Human Growth and Development	3	5
NURS 2508	D236	Pathophysiology	3	6
NURS 3640	D222	Comprehensive Health Assessment	3	6
NURS 2650	D223	Healthcare Policy and Economics	3	6
NURS 3660	D224	Global and Population Health	4	7
NURS 3670	D225	Emerging Professional Practice	3	7
NURS 5201	D024	Professional Presence and Influence	2	7
NURS 5202	D025	Essentials of Advanced Nursing Roles and Interprofessional Practice	2	8
NURS 5206	D029	Informatics for Transforming Nursing Care	3	8
NURS 5207	D030	Leadership and Management in Complex Healthcare Systems	3	8
NURS 6308	D031	Advancing Evidence-Based Innovation in Nursing Practice	3	9
NURS 5203	D026	Quality Outcomes in a Culture of Value-Based Nursing Care	2	9
NURS 5204	D027	Advanced Pathopharmacological Foundations	3	9
NURS 5205	D028	Advanced Health Assessment for Patients and Populations	3	10
NURS 6431	D155	Leading with Personal Mastery	2	10
NURS 6432	D156	Business Case Analysis for Healthcare Improvement	2	10

CCN	Course Number	Course Description	CUs	Term
NURS 6433	D157	Managing Resources in an Era of Disruption	2	10
NURS 6434	D158	Strategically Planning the Execution of a Healthcare Improvement Project	2	11
NURS 6435	D159	Evidence-Based Measures for Evaluating Healthcare Improvements	2	11
NURS 6503	D160	Nursing Leadership and Management Field Experience	3	11
NURS 6603	D161	Nursing Leadership and Management Capstone	2	11
<b>Total CUs: 141</b>				

## Master of Science, Nursing - Nursing Informatics (RN to MSN)

*The Master of Science degree in Nursing Informatics (RN to MSN option) degree is a competency-based program that builds on the foundation of previous nursing education at the associate or diploma levels. The BSN portion of the degree focuses on contemporary nursing practice in the developing of skills and competencies using technology-based learning. The master of science portion of the degree prepares graduates for a rewarding career as a specialist in the field of Nursing Informatics. Informatics Nurse Specialists have the knowledge, skills, and expertise to design, develop, implement, and evaluate Health Information Systems that support the delivery of safe, efficient and high-quality healthcare services. Students in the WGU Master of Science Nursing Informatics program apply systems-thinking strategies to transform data to wisdom for understanding the determinants and distribution of healthcare needs in diverse populations. This program prepares students to select and use contemporary technologies to collaborate with interprofessional teams for the development and implementation of health education programs, evidence-based practices, and point-of-care policies. Through the integration of nursing science, computer science and information science, students will develop competencies for performing advanced informatics skills to improve health outcomes, such as data capture, management, mining, and analysis. This masters degree program supports students in applying their knowledge and conceptual understanding of nursing informatics to real-world situations where the use of information and communication technologies are essential for delivering and coordinating care across multiple settings. Graduates are prepared to gather, document, and analyze outcome data that will serve as a foundation for data-driven decisions that inform practice processes and the implementation of interventions or strategies to improve healthcare outcomes.*

CCN	Course Number	Course Description	CUs	Term
NURS 2000	C494	Advanced Standing for RN License	50	1
NURS 3114	D235	Interprofessional Communication and Leadership in Healthcare	2	2
MATH 1100	C784	Applied Healthcare Statistics	4	2
ENGL 1711	D269	Composition: Writing with a Strategy	3	2
SCIE 1011	D312	Anatomy and Physiology I with Lab	4	3
COMM 3015	D268	Introduction to Communication: Connecting with Others	3	3
SCIE 1012	D313	Anatomy and Physiology II with Lab	4	3
PSYC 1010	C180	Introduction to Psychology	3	4
HUMN 1020	D198	Global Arts and Humanities	3	4
SOCG 1010	C273	Introduction to Sociology	3	4
NURS 1010	D311	Microbiology with Lab: A Fundamental Approach	4	5
HIST 1016	D266	World History: Diverse Cultures and Global Connections	3	5
PSYC 1020	D202	Human Growth and Development	3	5
NURS 2508	D236	Pathophysiology	3	6
NURS 3640	D222	Comprehensive Health Assessment	3	6
NURS 2650	D223	Healthcare Policy and Economics	3	6
NURS 3660	D224	Global and Population Health	4	7
NURS 3670	D225	Emerging Professional Practice	3	7
NURS 5201	D024	Professional Presence and Influence	2	7
NURS 5202	D025	Essentials of Advanced Nursing Roles and Interprofessional Practice	2	8
NURS 5206	D029	Informatics for Transforming Nursing Care	3	8
NURS 5207	D030	Leadership and Management in Complex Healthcare Systems	3	8
NURS 6308	D031	Advancing Evidence-Based Innovation in Nursing Practice	3	9

CCN	Course Number	Course Description	CUs	Term
NURS 5203	D026	Quality Outcomes in a Culture of Value-Based Nursing Care	2	9
NURS 5204	D027	Advanced Pathopharmacological Foundations	3	9
NURS 5205	D028	Advanced Health Assessment for Patients and Populations	3	10
NURS 5745	C790	Foundations in Nursing Informatics	2	10
NURS 6701	C797	Data Science and Analytics	2	10
NURS 6010	C792	Data Modeling and Database Management Systems	2	10
NURS 6702	C798	Informatics System Analysis and Design	3	11
NURS 6020	C854	Nursing Informatics Field Experience	4	11
NURS 6030	C855	Nursing Informatics Capstone	2	11
<b>Total CUs: 141</b>				

## Master of Health Leadership

*The Master of Health Leadership degree requires completion of project-based courses and a capstone culminating in five program outcomes: transformational leader, value innovator, tactical manager, analyst, and integrated systems expert. The program also embeds themes of person-focused care, professionalism, technology, and ethics, and fosters innovation and sustainability in health systems. Courses become progressively complex as the curriculum advances, integrating key skill sets and a knowledge base that will foster career development in health leadership.*

CCN	Course Number	Course Description	CUs	Term
MHL 5110	C980	Innovative Solutions in Health Leadership	3	1
MHL 5210	C981	Collaborative Leadership	3	1
MHL 5310	C982	Healthcare Models and Systems	2	1
MHL 5410	C983	Quality Improvement in Healthcare	3	2
MHL 5510	C984	Healthcare Financial Management	3	2
MHL 5600	C985	Analytical Methods of Health Leaders	2	2
MHL 6210	C986	Enterprise Risk Management	3	3
MHL 6310	C987	Healthcare Information Technology	2	3
MHL 6410	C988	Population Healthcare Coordination	3	3
MHL 6510	C989	Challenges in Community Healthcare	3	4
MHL 6610	C990	Integrated Health Leadership	3	4
MHL 6910	C991	Health Leadership Capstone	4	4
<b>Total CUs: 34</b>				

## Post-Master's Certificate, Nursing - Nursing Education (Post-MSN)

*The Post-Master's Certificate, Nursing - Nursing Education (Post-MSN) program is a competency-based program that prepares students to be academic nurse educators in various educational and practice settings. Students are prepared to lead collaborative academic-practice partnerships to strengthen nursing practice by developing nurses who will lead and advance health in diverse populations. As academic nurse educators, graduates demonstrate a professional presence by helping nursing students acquire the knowledge, skills and competencies to work effectively in inter-professional teams across a variety of academic and healthcare settings. The WGU Post-Master's Certificate, Nursing - Nursing Education (Post-MSN) content is based on national standards and evidence-based research related to effective teaching, learning, curriculum design and development and nursing role development. It provides the knowledge and skills that enable educators to teach effectively in clinical and lab, online, hybrid, virtual and classroom learning environments. The content, resources, activities, and assessments in this program are consistent with recommendations from American Association of Colleges of Nursing (AACN), The Essentials of Master's Education in Nursing, and the National League for Nursing (NLN), Scope of Practice for Academic Nurse Educators. This program builds on the core knowledge developed during the student's prior MSN degree. Areas of focus for this certificate program include: development of the context-based curriculum, learning objectives and outcomes, and learning materials that are an essential aspect of an academic educator role. This program will provide students opportunities to experience the application of nursing and educational theory, practical perspectives regarding learning, the development and socialization of learners, strategies to facilitate learning, and contemporary design and development of high-quality learning modules and assessments.*

CCN	Course Number	Course Description	CUs	Term
NURS 5000	D314	Essentials of Academic Writing	1	1
NURS 6101	C918	Evolving Roles of Nurse Educators in Diverse Environments	2	1
NURS 6002	C919	Facilitation of Context-Based Student-Centered Learning	2	1
NURS 6003	C920	Contemporary Curriculum Design and Development in Nursing Education	2	1
NURS 6004	C921	Assessment and Evaluation Strategies for Measuring Student Learning	3	1
NURS 6005	C922	Emerging Trends and Challenges in 21st Century Nursing Education	2	2
NURS 6201	C946	Nursing Education Field Experience	2	2
NURS 6107	C947	Nursing Education Capstone	2	2
<b>Total CUs: 16</b>				



## Post-Master's Certificate, Nursing - Leadership and Management (Post-MSN)

*The Post-Master's Certificate, Nursing - Leadership and Management (Post-MSN) program is a competency-based program that prepares students to be leaders and managers in diverse settings: hospitals, long term care facilities, community service agencies, governmental agencies and facilities, and corporations. Students use their organizational, analytic, strategic planning, financial, human resources, and evaluation skills across healthcare organizations. The WGU Post-Master's Certificate, Nursing - Leadership and Management (Post-MSN) program content is evidence-based, drawing on national standards and research related to creating work environments that are collaborative, interdisciplinary, and promote effective functioning in complex nursing and healthcare environments. The certificate program content and processes are consistent with the American Nurses Association (ANA) Standards for Nurse Administrators and the American Organization for Nursing Leadership (AONL) competencies for nursing managers and executives, and the American Association of Colleges of Nursing (AACN) Clinical Nurse Leader (CNL). The Post-Master's Certificate program is focused on the preparation of highly qualified nurse administrators (nurse managers and nurse executives). This program builds on the core knowledge developed during the student's prior MSN degree. Areas of focus for this certificate program include organizational and leadership theories, strategic planning, regulatory standards, risk management, principles of financial management, and concepts of human resource management. Graduates examine organizational, financial, and personnel issues and their resolution. The process for assessment, measurement, evaluation, and use of outcome data for improvement is presented.*

CCN	Course Number	Course Description	CUs	Term
NURS 5000	D314	Essentials of Academic Writing	1	1
NURS 6431	D155	Leading with Personal Mastery	2	1
NURS 6432	D156	Business Case Analysis for Healthcare Improvement	2	1
NURS 6433	D157	Managing Resources in an Era of Disruption	2	1
NURS 6434	D158	Strategically Planning the Execution of a Healthcare Improvement Project	2	1
NURS 6435	D159	Evidence-Based Measures for Evaluating Healthcare Improvements	2	2
NURS 6503	D160	Nursing Leadership and Management Field Experience	3	2
NURS 6603	D161	Nursing Leadership and Management Capstone	2	2
Total CUs: 16				

# College of Information Technology

## College of Information Technology Tenets:

- We believe education is the single greatest catalyst to change lives permanently. By providing affordable, high-value competency-based education in IT at scale, we provide opportunities to maximize professional and personal outcomes for as many learners as possible.
- Information Technology opportunities are ubiquitous across industries and are critical to solving global challenges, both current and future. We leverage strategic partnerships, portfolio research, and skills mapping to identify, develop, and deliver innovative learning approaches and access pathways that enable students to succeed in current as well as future technical and career environments.
- Those with the least access to education have the most to gain for themselves, their families, and the world: equitable attainment for the underserved and underrepresented is a force multiplier in our impact. Through ongoing innovation in learning analytics, personalized support, focused efforts around diversity, and differentiated unbiased curriculum, we meet learners where they are and scaffold them to success no matter their background.
- Our learners flourish when they are skilled in not only technological systems but also innovation, integration, critical thinking, and problem solving. Our curriculum choices ensure that industry-relevant skills are integrated with complementary skill sets that scaffold students' ability to make informed choices in business and across society.
- We are part of a lifelong learning journey for our students and offer flexible learning at multiple points along that timeline. While certifications help our students get the next job, our degrees grow their careers and change their lives. We maintain the relevancy of both to ensure student short-term and long-term success.
- Our people are our college, and our collective success enables student success. By focusing on the wellbeing and growth of each contributor, we maximize our potential and therefore that of our students by achieving together.

## Bachelor of Science, Cloud Computing – Amazon Web Services track

*The Bachelor of Science in Cloud Computing - AWS track (BSCC AWS) degree program prepares IT professionals with hands-on knowledge and practical application of cloud computing infrastructure, platform, and software. Students will learn of the business advantages of moving to the cloud including functions specific to compute, storage, database, networking, and security. Students will earn foundational and associate level certifications from major cloud providers such as Amazon Web Services (AWS) and Microsoft Azure, and vendor agnostic certifications such as CompTIA, Linux, and ITIL. Students will learn how to manage the security of cloud deployed applications, work with DevOps principles, and global Identity and Access Management (IAM) functions. The curriculum emphasizes working in the AWS cloud environment and builds upon a core IT curriculum that includes systems and services, networking and security, scripting and programming, data management, business of IT, web development, and exposure to other cloud environments. Students seeking the BS in Cloud Computing - AWS track degree demonstrate additional competencies in software, engineering, operations, architecture, and development for cloud-based computing solutions across multiple industries.*

CCN	Course Number	Course Description	CUs	Term
ITEC 2002	D322	Introduction to IT	4	1
MATH 1101	C955	Applied Probability and Statistics	3	1
ENGL 1711	D269	Composition: Writing with a Strategy	3	1
ITEC 2023	D317	IT Applications	4	1
ITEC 2013	D316	IT Foundations	4	2
MATH 1200	C957	Applied Algebra	3	2
ITEC 2112	D315	Network and Security - Foundations	3	2
BIO 1010	C190	Introduction to Biology	3	2
ITEC 3602	D325	Networks	4	3
ITAS 2141	D334	Introduction to Cryptography	4	3
ITEC 2112	D329	Network and Security - Applications	4	3
ITSW 2113	D278	Scripting and Programming - Foundations	3	4
ITSW 2120	D276	Web Development Foundations	3	4
ITSW 3126	D335	Introduction to Programming in Python	3	4
POLS 1030	C963	American Politics and the US Constitution	3	4
ITEC 3004	D281	Linux Foundations	3	5
COMM 3015	D268	Introduction to Communication: Connecting with Others	3	5
ITEC 2119	D282	Cloud Foundations	3	5
ITEC 3601	D318	Cloud Applications	3	5
ITEC 2109	D324	Business of IT - Project Management	4	6
ITEC 2116	D426	Data Management - Foundations	3	6
DBMG 3380	D330	Data Systems Administration	3	6
ITSW 3170	D411	Scripting and Automation	2	6
ITEC 2117	D427	Data Management - Applications	4	7
ITCL 3202	D320	Managing Cloud Security	4	7
GEOG 1312	D199	Introduction to Physical and Human Geography	3	7
ITCL 3204	D338	Cloud Platform Solutions	3	7
ITBU 2201	D370	IT Leadership Foundations	3	8

CCN	Course Number	Course Description	CUs	Term
ITCL 3201	D319	AWS Cloud Architecture	3	8
ITEC 2113	D336	Business of IT – Applications	4	8
ITCL 3203	D321	AWS Developer	3	8
ITEC 3005	D341	Cloud Deployment and Operations	3	9
SCIE 1020	C165	Integrated Physical Sciences	3	9
HUMN 1101	D333	Ethics in Technology	3	9
ITEC 2114	D337	Internet of Things (IoT) and Infrastructure	3	9
COMM 1115	D339	Technical Communication	3	10
ITCL 4179	D342	Cloud Computing Capstone	4	10
<b>Total CUs: 121</b>				

## Bachelor of Science, Cloud Computing – Microsoft Azure track

*The Bachelor of Science in Cloud Computing - Azure track (BSCCAZR) degree program prepares IT professionals with hands-on knowledge and practical application of cloud computing infrastructure, platform, and software. Students will earn foundational and associate level certifications from major cloud providers such as Amazon Web Services (AWS) and Microsoft Azure, and vendor agnostic certifications such as CompTIA, Linux, and ITIL. Students will learn how to manage the security of cloud deployed applications, work with DevOps principles, and global Identity and Access Management (IAM) functions. The curriculum emphasizes working in the Azure cloud environment and builds upon a core IT curriculum that includes systems and services, networking and security, scripting and programming, data management, business of IT, web development, and exposure to other cloud environments. Students seeking the BS in Cloud Computing - Azure track degree demonstrate additional competencies in software, engineering, operations, and architecture development for cloud-based computing solutions across multiple industries.*

CCN	Course Number	Course Description	CUs	Term
ITEC 2002	D322	Introduction to IT	4	1
MATH 1101	C955	Applied Probability and Statistics	3	1
ENGL 1711	D269	Composition: Writing with a Strategy	3	1
ITEC 2023	D317	IT Applications	4	1
ITEC 2013	D316	IT Foundations	4	2
MATH 1200	C957	Applied Algebra	3	2
ITEC 2112	D315	Network and Security - Foundations	3	2
BIO 1010	C190	Introduction to Biology	3	2
ITEC 3602	D325	Networks	4	3
ITAS 2141	D334	Introduction to Cryptography	4	3
ITEC 2112	D329	Network and Security - Applications	4	3
ITSW 2113	D278	Scripting and Programming - Foundations	3	4
ITSW 2120	D276	Web Development Foundations	3	4
ITSW 3126	D335	Introduction to Programming in Python	3	4
POLS 1030	C963	American Politics and the US Constitution	3	4
ITEC 3004	D281	Linux Foundations	3	5
COMM 3015	D268	Introduction to Communication: Connecting with Others	3	5
ITCL 2100	D303	Azure Fundamentals	3	5
ITEC 3601	D318	Cloud Applications	3	5
ITEC 2109	D324	Business of IT - Project Management	4	6
ITEC 2116	D426	Data Management - Foundations	3	6
DBMG 3380	D330	Data Systems Administration	3	6
ITSW 3170	D411	Scripting and Automation	2	6
ITEC 2117	D427	Data Management - Applications	4	7
ITCL 3202	D320	Managing Cloud Security	4	7
GEOG 1312	D199	Introduction to Physical and Human Geography	3	7
ITCL 3204	D338	Cloud Platform Solutions	3	7
ITBU 2201	D370	IT Leadership Foundations	3	8
ITCL 3103	D306	Azure Developer Associate	3	8

CCN	Course Number	Course Description	CUs	Term
ITEC 2113	D336	Business of IT – Applications	4	8
ITCL 3102	D305	Azure Data Engineer	3	8
ITCL 3101	D304	Azure DevOps Solutions	3	9
SCIE 1020	C165	Integrated Physical Sciences	3	9
HUMN 1101	D333	Ethics in Technology	3	9
ITEC 2114	D337	Internet of Things (IoT) and Infrastructure	3	9
COMM 1115	D339	Technical Communication	3	10
ITCL 4179	D342	Cloud Computing Capstone	4	10
<b>Total CUs: 121</b>				

## Bachelor of Science, Cloud Computing

*The Bachelor of Science in Cloud Computing (BSCC) degree program prepares IT professionals with hands-on knowledge and practical application of cloud computing infrastructure, platform, and software. Students will learn of the business advantages of moving to the cloud including functions specific to compute, storage, database, networking, and security. Students will earn foundational and associate level certifications from major cloud providers such as Amazon Web Services (AWS) and Microsoft Azure, and vendor agnostic certifications such as CompTIA, Linux, and ITIL. Students will learn how to manage the security of cloud deployed applications, work with DevOps principles, and global Identity and Access Management (IAM) functions. The curriculum emphasizes working in multi-cloud environments and builds upon a core IT curriculum that includes systems and services, networking and security, scripting and programming, data management, business of IT, and web development. Students seeking the BS in Cloud Computing degree demonstrate additional competencies in software, engineering, operations, architecture, and development for cloud-based computing solutions across multiple industries.*

CCN	Course Number	Course Description	CUs	Term
ITEC 2002	D322	Introduction to IT	4	1
MATH 1101	C955	Applied Probability and Statistics	3	1
ENGL 1711	D269	Composition: Writing with a Strategy	3	1
ITEC 2023	D317	IT Applications	4	1
ITEC 2013	D316	IT Foundations	4	2
MATH 1200	C957	Applied Algebra	3	2
ITEC 2112	D315	Network and Security - Foundations	3	2
BIO 1010	C190	Introduction to Biology	3	2
ITEC 3602	D325	Networks	4	3
ITAS 2141	D334	Introduction to Cryptography	4	3
ITEC 2112	D329	Network and Security - Applications	4	3
ITSW 2113	D278	Scripting and Programming - Foundations	3	4
ITSW 2120	D276	Web Development Foundations	3	4
ITSW 3126	D335	Introduction to Programming in Python	3	4
POLS 1030	C963	American Politics and the US Constitution	3	4
ITEC 3004	D281	Linux Foundations	3	5
COMM 3015	D268	Introduction to Communication: Connecting with Others	3	5
ITEC 2119	D282	Cloud Foundations	3	5
ITEC 3601	D318	Cloud Applications	3	5
ITEC 2109	D324	Business of IT - Project Management	4	6
ITEC 2116	D426	Data Management - Foundations	3	6
DBMG 3380	D330	Data Systems Administration	3	6
ITSW 3170	D411	Scripting and Automation	2	6
ITEC 2117	D427	Data Management - Applications	4	7
ITCL 3202	D320	Managing Cloud Security	4	7
GEOG 1312	D199	Introduction to Physical and Human Geography	3	7
ITCL 3204	D338	Cloud Platform Solutions	3	7
ITBU 2201	D370	IT Leadership Foundations	3	8

CCN	Course Number	Course Description	CUs	Term
ITCL 3201	D319	AWS Cloud Architecture	3	8
ITEC 2113	D336	Business of IT – Applications	4	8
ITCL 2100	D303	Azure Fundamentals	3	8
ITCL 3103	D306	Azure Developer Associate	3	9
SCIE 1020	C165	Integrated Physical Sciences	3	9
HUMN 1101	D333	Ethics in Technology	3	9
ITEC 2114	D337	Internet of Things (IoT) and Infrastructure	3	9
COMM 1115	D339	Technical Communication	3	10
ITCL 4179	D342	Cloud Computing Capstone	4	10
<b>Total CUs: 121</b>				



## Bachelor of Science, Computer Science

*The Bachelor of Science in Computer Science prepares students for a career in the high demand field of Computer Science. Upon program completion, students will apply their learned knowledge and skills in the designing, developing and optimizing of systems to meet current and future industry needs. The curriculum includes innovative courses in programming and logic, architecture and systems, data structures, project management, artificial intelligence, along with the theory and science of computing.*

CCN	Course Number	Course Description	CUs	Term
ITEC 2001	C182	Introduction to IT	4	1
MATH 1101	C955	Applied Probability and Statistics	3	1
ITWD 3100	C779	Web Development Foundations	3	1
GEOG 1311	C255	Introduction to Geography	3	1
ITEC 2102	C172	Network and Security - Foundations	3	2
MATH 2100	C958	Calculus I	4	2
ENGL 1010	C455	English Composition I	3	2
ITEC 2103	C173	Scripting and Programming - Foundations	3	2
SCIE 1020	C165	Integrated Physical Sciences	3	3
MATH 2800	C959	Discrete Mathematics I	4	3
MATH 2810	C960	Discrete Mathematics II	4	3
SCIE 1001	C683	Natural Science Lab	2	3
COMM 1011	C464	Introduction to Communication	3	4
ICSC 3120	C952	Computer Architecture	3	4
ITSW 2130	C867	Scripting and Programming - Applications	4	4
ITEC 2104	C175	Data Management - Foundations	3	4
ITEC 2204	C170	Data Management - Applications	4	5
POLS 1030	C963	American Politics and the US Constitution	3	5
HUMN 1010	C100	Introduction to Humanities	3	5
ITEC 3014	C482	Software I	6	5
ITEC 3023	C195	Software II - Advanced Java Concepts	6	6
ITEC 2105	C176	Business of IT - Project Management	4	6
ICSC 2100	C949	Data Structures and Algorithms I	4	6
ICSC 3100	C950	Data Structures and Algorithms II	4	7
HUMN 3100	C961	Ethics in Technology	3	7
ITAS 2010	C836	Fundamentals of Information Security	3	7
ITEC 2211	C191	Operating Systems for Programmers	3	7
ITEC 2213	C188	Software Engineering	4	8
ITEC 2205	C846	Business of IT - Applications	4	8
DTMG 3330	D191	Advanced Data Management	3	8
ITBU 2200	D194	IT Leadership Foundations	3	8
ITEC 2220	C768	Technical Communication	3	9

CCN	Course Number	Course Description	CUs	Term
ICSC 3110	C951	Introduction to Artificial Intelligence	3	9
ITSW 3150	C857	Software Quality Assurance	3	9
ICSC 3130	C964	Computer Science Capstone	4	9
<b>Total CUs: 122</b>				

## Bachelor of Science, Cybersecurity and Information Assurance

*To meet an increasing demand for cybersecurity professionals, the Bachelor of Science in Cybersecurity and Information Assurance (BSCSIA) degree program prepares IT professionals to apply knowledge and experience in risk management and digital forensics to safeguard infrastructure and secure data through continuity planning and disaster recovery operations. Courses deliver proven methods for information security using software analysis techniques, web engineering, cloud management, and networking strategies to prevent, detect, and mitigate cyberattacks. This program features nationally recognized, high demand certifications in the field of cybersecurity.*

CCN	Course Number	Course Description	CUs	Term
ITEC 2001	C182	Introduction to IT	4	1
PHIL 3010	C168	Critical Thinking and Logic	3	1
ITAS 2010	C836	Fundamentals of Information Security	3	1
ITEC 2205	C846	Business of IT - Applications	4	1
GEOG 1311	C255	Introduction to Geography	3	2
SCIE 1020	C165	Integrated Physical Sciences	3	2
ITAS 3010	C841	Legal Issues in Information Security	4	2
ITEC 2021	C393	IT Foundations	4	2
ITEC 2031	C394	IT Applications	4	3
ITWD 3100	C779	Web Development Foundations	3	3
ITEC 2105	C176	Business of IT - Project Management	4	3
ITEC 2102	C172	Network and Security - Foundations	3	3
ITEC 3701	C480	Networks	4	4
MATH 1101	C955	Applied Probability and Statistics	3	4
ENGL 1010	C455	English Composition I	3	4
ITAS 2040	C839	Introduction to Cryptography	4	4
ITEC 2202	C178	Network and Security - Applications	4	5
ITEC 2104	C175	Data Management - Foundations	3	5
ITEC 2204	C170	Data Management - Applications	4	5
ITEC 2103	C173	Scripting and Programming - Foundations	3	5
ITAS 3040	C844	Emerging Technologies in Cybersecurity	4	6
POLS 1030	C963	American Politics and the US Constitution	3	6
ITAS 2050	C840	Digital Forensics in Cybersecurity	4	6
MATH 1200	C957	Applied Algebra	3	6
ENGL 1020	C456	English Composition II	3	7
ITAS 3050	C845	Information Systems Security	4	7
COMM 1011	C464	Introduction to Communication	3	7
HUMN 3100	C961	Ethics in Technology	3	7
ITAS 3031	C838	Managing Cloud Security	4	8
ITAS 3030	C843	Managing Information Security	6	8
ITAS 3020	C842	Cyber Defense and Countermeasures	4	8

CCN	Course Number	Course Description	CUs	Term
ITEC 2220	C768	Technical Communication	3	9
ITAS 3060	D153	Penetration Testing and Vulnerability Analysis	4	9
ITEC 4903	C769	IT Capstone Written Project	4	9
<b>Total CUs: 122</b>				

## Bachelor of Science, Data Management/Data Analytics

*The B.S. in Data Management/Data Analytics is designed to prepare science professionals who can set up a database environment, design databases, acquire data, wrangle it, analyze it, and visualize it to different audiences as part of the decision-making process.*

CCN	Course Number	Course Description	CUs	Term
ITEC 2001	C182	Introduction to IT	4	1
COMM 3015	D268	Introduction to Communication: Connecting with Others	3	1
ITEC 2103	C173	Scripting and Programming - Foundations	3	1
ITEC 2104	C175	Data Management - Foundations	3	1
ENGL 1711	D269	Composition: Writing with a Strategy	3	2
ITEC 2102	C172	Network and Security - Foundations	3	2
ITEC 2204	C170	Data Management - Applications	4	2
ITEC 2021	C393	IT Foundations	4	2
POLS 1030	C963	American Politics and the US Constitution	3	3
ITEC 2031	C394	IT Applications	4	3
ITSW 3121	C859	Introduction to Programming in Python	3	3
MATH 1101	C955	Applied Probability and Statistics	3	3
BUS 2140	D100	Introduction to Spreadsheets	1	4
ITSW 2110	D197	Version Control	1	4
GEOG 1311	C255	Introduction to Geography	3	4
MATH 1200	C957	Applied Algebra	3	4
ITBU 2200	D194	IT Leadership Foundations	3	4
ITWD 3100	C779	Web Development Foundations	3	4
HUMN 1010	C100	Introduction to Humanities	3	5
ITSW 2130	C867	Scripting and Programming - Applications	4	5
ITEC 2220	C768	Technical Communication	3	5
SCIE 1001	C683	Natural Science Lab	2	5
SCIE 1020	C165	Integrated Physical Sciences	3	6
HUMN 3100	C961	Ethics in Technology	3	6
ITEC 3701	C480	Networks	4	6
ITEC 2105	C176	Business of IT - Project Management	4	6
DTMG 3330	D191	Advanced Data Management	3	7
ITEC 2205	C846	Business of IT - Applications	4	7
DTAN 4020	C756	Data Analytics	4	7
PHIL 1020	D265	Critical Thinking: Reason and Evidence	3	7
DTSC 3210	C749	Introduction to Data Science	4	8
DTMG 3220	D309	Data Wrangling	3	8
DTAN 3210	C751	Data Analysis with R	2	8

CCN	Course Number	Course Description	CUs	Term
DTSC 3220	C753	Machine Learning	3	8
DTAN 3220	C939	Data Visualization	2	9
DBMG 3340	D192	Data Systems Administration	3	9
DTMG 3350	D193	Data and Information Governance	2	9
ICSC 2100	C949	Data Structures and Algorithms I	4	9
DTMG 3900	D195	Data Management/Analytics Undergraduate Capstone	4	9
<b>Total CUs: 121</b>				

## Bachelor of Science, Information Technology

*The WGU Bachelor of Science in Information Technology (IT) program provides a solid foundation in computer information systems and technologies. In addition to the IT content, the degree program includes a broad collegiate-level education. The program is primarily designed for those seeking a career or to advance their current career as information technology professionals by developing levels of expertise required for increased responsibility in the information technology field. The foundation of the Bachelor of Science program consists of six domains of study: systems and services, networking and security, scripting and programming, data management, business of IT, and web development. At the end of the program, students develop a comprehensive portfolio and complete a capstone project.*

CCN	Course Number	Course Description	CUs	Term
PHIL 1020	D265	Critical Thinking: Reason and Evidence	3	1
ITEC 2002	D322	Introduction to IT	4	1
HUMN 1020	D198	Global Arts and Humanities	3	1
SCIE 1020	C165	Integrated Physical Sciences	3	1
BUS 2301	C483	Principles of Management	4	2
ITEC 2113	D336	Business of IT – Applications	4	2
ENGL 1711	D269	Composition: Writing with a Strategy	3	2
COMM 3015	D268	Introduction to Communication: Connecting with Others	3	2
ITEC 2112	D315	Network and Security - Foundations	3	3
ENGL 1712	D270	Composition: Successful Self-Expression	3	3
MATH 1101	C955	Applied Probability and Statistics	3	3
ITEC 2023	D317	IT Applications	4	3
BUS 2001	C484	Organizational Behavior and Leadership	3	4
BUIT 2200	C268	Spreadsheets	3	4
ITEC 2013	D316	IT Foundations	4	4
MATH 1709	C277	Finite Mathematics	4	4
GEOG 1312	D199	Introduction to Physical and Human Geography	3	5
ITSW 2113	D278	Scripting and Programming - Foundations	3	5
MATH 1200	C957	Applied Algebra	3	5
ITSW 2120	D276	Web Development Foundations	3	5
ITWD 3120	C777	Web Development Applications	6	6
ITWD 3110	C773	User Interface Design	4	6
POLS 1030	C963	American Politics and the US Constitution	3	6
BUIT 3000	C724	Information Systems Management	3	7
SCIE 1001	C683	Natural Science Lab	2	7
ITEC 2109	D324	Business of IT - Project Management	4	7
HUMN 1101	D333	Ethics in Technology	3	7
ITEC 2116	D426	Data Management - Foundations	3	8
ITEC 2117	D427	Data Management - Applications	4	8
ITEC 2119	D282	Cloud Foundations	3	8

CCN	Course Number	Course Description	CUs	Term
ITEC 2950	C850	Emerging Technologies	2	8
ITEC 3602	D325	Networks	4	9
COMM 1115	D339	Technical Communication	3	9
ITEC 2112	D329	Network and Security - Applications	4	9
ITEC 3004	D281	Linux Foundations	3	9
ITEC 4903	C769	IT Capstone Written Project	4	10
<b>Total CUs: 121</b>				



## Bachelor of Science, Network Engineering and Security

*In response to an increasing demand for network engineering and security professionals, the Bachelor of Science, Network Engineering and Security (BSNES) degree program prepares IT professionals to apply knowledge and experience in network design, network engineering, network troubleshooting, network automation, network security, and cloud security to manage network infrastructure and secure data through effective IT policies and procedures. Courses deliver proven methods for network administration and operations to ensure uptime, performance, resources, and security of networks to meet the needs of the organization. The program builds upon a core IT curriculum: systems and services, networking and security, scripting and programming, data management, business of IT, and web development. Students seeking the BS, Network Engineering and Security degree demonstrate additional competencies in this area by taking and passing specific industry certification exams that are vendor agnostic.*

CCN	Course Number	Course Description	CUs	Term
ITEC 2002	D322	Introduction to IT	4	1
ITEC 2023	D317	IT Applications	4	1
ITEC 2013	D316	IT Foundations	4	1
HUMN 1101	D333	Ethics in Technology	3	2
ITEC 2112	D315	Network and Security - Foundations	3	2
ITEC 3004	D281	Linux Foundations	3	2
MATH 1101	C955	Applied Probability and Statistics	3	2
BUS 2141	D423	Spreadsheets	1	3
ENGL 1711	D269	Composition: Writing with a Strategy	3	3
ITEC 2113	D336	Business of IT – Applications	4	3
ITSW 2120	D276	Web Development Foundations	3	3
GEOG 1312	D199	Introduction to Physical and Human Geography	3	3
MATH 1200	C957	Applied Algebra	3	4
MATH 2820	D420	Discrete Math: Logic	1	4
ITEC 3602	D325	Networks	4	4
PHIL 1020	D265	Critical Thinking: Reason and Evidence	3	4
MATH 2830	D421	Discrete Math: Functions and Relations	1	4
ITEC 3101	D412	Network Analytics and Troubleshooting	3	5
MATH 2840	D422	Discrete Math: Algorithms and Cryptography	1	5
ITAS 2141	D334	Introduction to Cryptography	4	5
ITCL 3202	D320	Managing Cloud Security	4	5
ITEC 2112	D329	Network and Security - Applications	4	6
SCIE 1020	C165	Integrated Physical Sciences	3	6
ITEC 3201	D413	Telecomm and Wireless Communications	3	6
ITEC 3601	D318	Cloud Applications	3	6
ITEC 2114	D337	Internet of Things (IoT) and Infrastructure	3	7
ITEC 2116	D426	Data Management - Foundations	3	7
ITSW 2113	D278	Scripting and Programming - Foundations	3	7
ITSW 3126	D335	Introduction to Programming in Python	3	7
ITEC 2801	D415	Software Defined Networking	3	8

CCN	Course Number	Course Description	CUs	Term
ITSW 2110	D197	Version Control	1	8
ITEC 3501	D417	Network Automation and Deployment	3	8
COMM 1115	D339	Technical Communication	3	8
PHIL 1030	D372	Introduction to Systems Thinking	3	8
ITBU 2201	D370	IT Leadership Foundations	3	9
ITEC 2109	D324	Business of IT - Project Management	4	9
ITEC 4905	D418	BSNES Capstone Project	4	9
<b>Total CUs: 111</b>				

## Bachelor of Science, Network Engineering and Security Cisco Track

*In response to an increasing demand for Cisco network and security professionals, the Bachelor of Science, Network Engineering and Security - Cisco (BSNES-C) degree program prepares IT professionals to apply knowledge and experience in network design, network engineering, network troubleshooting, network automation, network security, and cloud security to manage network infrastructure and secure data through effective IT policies and procedures. Courses deliver proven methods for network administration and operations to ensure uptime, performance, resources, and security of networks to meet the needs of the organization. The program builds upon a core IT curriculum: systems and services, networking and security, scripting and programming, data management, business of IT, and web development. Students seeking the BS, Network Engineering and Security &dash; Cisco degree demonstrate additional competencies in this area by taking and passing industry relevant certifications that include three Cisco Associates certification exams.*

CCN	Course Number	Course Description	CUs	Term
ITEC 2002	D322	Introduction to IT	4	1
ITEC 2023	D317	IT Applications	4	1
ITEC 2013	D316	IT Foundations	4	1
HUMN 1101	D333	Ethics in Technology	3	2
ITEC 2112	D315	Network and Security - Foundations	3	2
ITEC 3004	D281	Linux Foundations	3	2
MATH 1101	C955	Applied Probability and Statistics	3	2
BUS 2141	D423	Spreadsheets	1	3
ENGL 1711	D269	Composition: Writing with a Strategy	3	3
ITEC 2113	D336	Business of IT – Applications	4	3
ITSW 2120	D276	Web Development Foundations	3	3
GEOG 1312	D199	Introduction to Physical and Human Geography	3	3
MATH 1200	C957	Applied Algebra	3	4
MATH 2820	D420	Discrete Math: Logic	1	4
ITEC 3755	D419	Implementing and Administering Networking Solutions	6	4
PHIL 1020	D265	Critical Thinking: Reason and Evidence	3	4
MATH 2830	D421	Discrete Math: Functions and Relations	1	5
ITEC 3101	D412	Network Analytics and Troubleshooting	3	5
MATH 2840	D422	Discrete Math: Algorithms and Cryptography	1	5
ITAS 2141	D334	Introduction to Cryptography	4	5
ITCL 3202	D320	Managing Cloud Security	4	5
ITEC 3301	D414	Cyber Operations Fundamentals	6	6
SCIE 1020	C165	Integrated Physical Sciences	3	6
ITEC 3201	D413	Telecomm and Wireless Communications	3	6
ITEC 3601	D318	Cloud Applications	3	7
ITEC 2116	D426	Data Management - Foundations	3	7
ITSW 2113	D278	Scripting and Programming - Foundations	3	7
ITSW 3126	D335	Introduction to Programming in Python	3	7
ITEC 3401	D416	DevNet Fundamentals	6	8

CCN	Course Number	Course Description	CUs	Term
COMM 1115	D339	Technical Communication	3	8
PHIL 1030	D372	Introduction to Systems Thinking	3	8
ITBU 2201	D370	IT Leadership Foundations	3	9
ITEC 2109	D324	Business of IT - Project Management	4	9
ITEC 4905	D418	BSNES Capstone Project	4	9
<b>Total CUs: 111</b>				

## Bachelor of Science, Software Development

*The B.S. in Software Development program is designed to meet this growing need while preparing experienced information technology professionals for successful careers as software designers and developers.*

CCN	Course Number	Course Description	CUs	Term
ITEC 2001	C182	Introduction to IT	4	1
ITEC 2103	C173	Scripting and Programming - Foundations	3	1
COMM 1011	C464	Introduction to Communication	3	1
ENGL 1010	C455	English Composition I	3	1
ITEC 2220	C768	Technical Communication	3	2
MATH 1101	C955	Applied Probability and Statistics	3	2
PHIL 3010	C168	Critical Thinking and Logic	3	2
ITWD 3100	C779	Web Development Foundations	3	2
SCIE 1020	C165	Integrated Physical Sciences	3	3
ITEC 2102	C172	Network and Security - Foundations	3	3
MATH 1200	C957	Applied Algebra	3	3
ITEC 2021	C393	IT Foundations	4	3
ITEC 2031	C394	IT Applications	4	4
ITEC 2104	C175	Data Management - Foundations	3	4
HUMN 1010	C100	Introduction to Humanities	3	4
ITEC 2105	C176	Business of IT - Project Management	4	4
GEOG 1311	C255	Introduction to Geography	3	5
ITSW 2130	C867	Scripting and Programming - Applications	4	5
POLS 1030	C963	American Politics and the US Constitution	3	5
ITEC 2205	C846	Business of IT - Applications	4	5
HUMN 3100	C961	Ethics in Technology	3	6
ITEC 2204	C170	Data Management - Applications	4	6
ICSC 2100	C949	Data Structures and Algorithms I	4	6
ITEC 2213	C188	Software Engineering	4	6
BUS 2001	C484	Organizational Behavior and Leadership	3	7
ITWD 3120	C777	Web Development Applications	6	7
ITEC 3014	C482	Software I	6	7
ITWD 3110	C773	User Interface Design	4	8
ITSW 3110	C856	User Experience Design	3	8
ITEC 3023	C195	Software II - Advanced Java Concepts	6	8
ITSW 3150	C857	Software Quality Assurance	3	9
ITEC 3033	C196	Mobile Application Development	3	9
DTMG 3330	D191	Advanced Data Management	3	9

CCN	Course Number	Course Description	CUs	Term
ITEC 4904	C868	Software Development Capstone	4	9
Total CUs: 122				

## Bachelor of Science, Software Development

*The B.S. in Software Development program is designed to meet this growing need while preparing experienced information technology professionals for successful careers as software designers and developers. The program focuses on software application development and it is offered in two tracks that utilize either Java or C# to achieve similar objectives.*

CCN	Course Number	Course Description	CUs	Term
ITEC 2001	C182	Introduction to IT	4	1
ITEC 2103	C173	Scripting and Programming - Foundations	3	1
COMM 1011	C464	Introduction to Communication	3	1
ENGL 1010	C455	English Composition I	3	1
ITEC 2220	C768	Technical Communication	3	2
MATH 1101	C955	Applied Probability and Statistics	3	2
PHIL 3010	C168	Critical Thinking and Logic	3	2
ITWD 3100	C779	Web Development Foundations	3	2
SCIE 1020	C165	Integrated Physical Sciences	3	3
ITEC 2102	C172	Network and Security - Foundations	3	3
MATH 1200	C957	Applied Algebra	3	3
ITEC 2021	C393	IT Foundations	4	3
ITEC 2031	C394	IT Applications	4	4
ITEC 2104	C175	Data Management - Foundations	3	4
HUMN 1010	C100	Introduction to Humanities	3	4
ITEC 2105	C176	Business of IT - Project Management	4	4
GEOG 1311	C255	Introduction to Geography	3	5
ITSW 2130	C867	Scripting and Programming - Applications	4	5
POLS 1030	C963	American Politics and the US Constitution	3	5
ITEC 2205	C846	Business of IT - Applications	4	5
HUMN 3100	C961	Ethics in Technology	3	6
ITEC 2204	C170	Data Management - Applications	4	6
ICSC 2100	C949	Data Structures and Algorithms I	4	6
ITEC 2213	C188	Software Engineering	4	6
BUS 2001	C484	Organizational Behavior and Leadership	3	7
ITWD 3120	C777	Web Development Applications	6	7
ITSW 3215	C968	Software I – C#	6	7
ITWD 3110	C773	User Interface Design	4	8
ITSW 3110	C856	User Experience Design	3	8
ITSW 3225	C969	Software II – Advanced C#	6	8
ITSW 3150	C857	Software Quality Assurance	3	9
ITSW 3315	C971	Mobile Application Development Using C#	3	9
DTMG 3330	D191	Advanced Data Management	3	9

CCN	Course Number	Course Description	CUs	Term
ITEC 4904	C868	Software Development Capstone	4	9
Total CUs: 122				



## Master of Science, Cybersecurity and Information Assurance

*The Master of Science in Cybersecurity and Information Assurance prepares security professionals to protect an organization's operations in the cyberspace by providing them with the tools, techniques, and standards required to prevent, detect, and counteract cyberattacks. The program not only focuses on keeping infrastructure safe but also the assurance of information covering subjects ranging from cryptography to business continuity planning and disaster recovery.*

CCN	Course Number	Course Description	CUs	Term
ITSA 5220	C700	Secure Network Design	3	1
ITAS 5010	C725	Information Security and Assurance	2	1
ITAS 6310	C727	Cybersecurity Management I - Strategic	4	1
ITAS 6330	C795	Cybersecurity Management II - Tactical	4	2
ITAS 5300	C701	Ethical Hacking	4	2
ITAS 5290	C726	Cybersecurity Architecture and Engineering	4	3
ITAS 6300	C702	Forensics and Network Intrusion	4	3
ITAS 5230	C706	Secure Software Design	2	4
ITAS 6450	C796	Cybersecurity Graduate Capstone	3	4
Total CUs: 30				

## Master of Science, Data Analytics

*The MS Data Analytics degree prepares statisticians, analysts, data managers, programmers, and other business and IT professionals for successful and rewarding careers in the high-demand field of data analytics through cutting-edge courses in data mining, manipulation, analysis, and visualization. The program empowers graduates to use powerful tools to implement industry-standard techniques in order to solve problems, identify trends, and make predictions.*

CCN	Course Number	Course Description	CUs	Term
DTAN 5101	D204	The Data Analytics Journey	2	1
DTMG 5240	D205	Data Acquisition	3	1
DTAN 5201	D206	Data Cleaning	3	1
DTAN 5202	D207	Exploratory Data Analysis	3	2
DTAN 5203	D208	Predictive Modeling	3	2
DTAN 6250	D209	Data Mining I	3	2
DTAN 6204	D210	Representation and Reporting	3	3
DTMG 6240	D211	Advanced Data Acquisition	2	3
DTAN 6250	D212	Data Mining II	3	3
DTAN 6205	D213	Advanced Data Analytics	3	4
DTAN 6520	D214	Data Analytics Graduate Capstone	3	4
<b>Total CUs: 31</b>				

## Master of Science, Information Technology Management

*The Master of Science in Information Technology Management is a competency-based degree program that represents a path for successful IT professionals to launch their careers and build them to an executive level. The graduate will advance his or her knowledge and skills through a practical, real-world program based on sound principles of Information Technology revolving around three primary themes: communication, technical competence and strategic vision: effective communication as essential to management at all levels, in all areas of human endeavor; and strategic vision that takes individuals and organizations beyond immediate difficulties and successes to a perception of future challenges and preparations to meet those challenges.*

CCN	Course Number	Course Description	CUs	Term
ITEC 6500	C948	Technical Communication	3	1
ITIM 5530	C954	Information Technology Management	3	1
INTE 5300	LZT2	Power, Influence and Leadership	3	1
ITIM 6510	C928	Financial Management for IT Professionals	2	2
ITIM 6520	C929	IT Sourcing and Development in a Global Economy	2	2
ITIM 6500	C927	Managing Technology Operations and Innovation	3	2
ITEC 6400	MBT2	Technological Globalization	3	2
ITEC 5320	C783	Project Management	4	3
INTE 5200	C962	Current and Emerging Technology	3	3
ITEC 6901	C498	MS, Information Technology Management Capstone	4	3
<b>Total CUs: 30</b>				

# Teachers College

## Teachers College Tenets:

- WGU's Teachers College radically improves the way people learn and lead across the K-20+ spectrum—i.e., the K- 12, higher-education, and workforce-education sectors.
- The surest path toward helping our students become next-generation educators is to ensure they experience high-quality, next-generation education.
- We know our students and are committed to supporting each one as they work to learn well, finish strong, and launch effectively into the next phase of their learning or working journey.
- School districts, colleges, universities, and industry employers are our customers too. Developing programming and services that meet their strategic needs matters.
- We are a beacon of Diversity, Equity, and Inclusion (DEI) impact in both expanding access and improving attainment.
- We own and champion larger-WGU strategic goals around student outcomes and financial sustainability.
- Our people are our college. How we recruit, hire, develop, evaluate, and culturally integrate our team is the most tangible evidence of our values and expectations around DEI, learning quality, and student care.

## Steps to Become a Licensed Teacher

<https://www.wgu.edu/online-teaching-degrees/becoming-licensed-teacher-accredited.html>

WGU offers teacher certification programs including bachelor's and master's degree programs. Below is the standard process for earning an initial teaching license through the WGU Teachers College.

### *1a. Earn a bachelor's degree*

The online bachelor's teaching degree programs in the Teachers College at WGU include coursework and assessments, a preclinical experience that includes observation hours and teaching lessons, and Demonstration Teaching (student teaching, explained in step 5).

### *1b. Complete a master's degree (if you already have a bachelor's degree)*

If you already possess a bachelor's degree in a non-teaching field, WGU's Master of Arts in Teaching programs are the choice for you. These teacher-prep programs qualify you to become licensed in the field of your choice (such as elementary education, secondary mathematics, science, etc.), training you to become a highly qualified teacher. These programs include supervised practice teaching (see step 5: Demonstration Teaching) in an actual classroom setting.

### *2. Pass a background check*

WGU requires all candidates for a teacher-certification program to provide the university with verification of a cleared background check prior to entering the classroom for preclinical experiences and Demonstration Teaching. Previously completed background checks may not satisfy WGU background check requirements. In some states, more than one background check may be required. In addition, most states require that applicants for teacher certification complete a background check for the Department of Education prior to submitting all application paperwork. This is a necessary precaution designed to prevent those who may pose a danger to the students in the classroom. You must be at least 18 years of age before you may begin the application process or participate in preclinical experiences and Demonstration Teaching.

### *3. Pass basic skills, content, and pedagogy exams*

Each state has specific testing requirements that must be met or completed in addition to completing a teaching degree program at WGU. WGU requires students to complete and pass:

- Basic Skills Exam: Pass the Basic Skills Exam required by your state for certification, or a designated Basic Skills Exam if your state does not require one.
- Content Exam: You must pass the designated Content Exam(s) required by your state in order to graduate from your program.
- WGU Program Exam: WGU also requires you to pass a specific Praxis exam to graduate from your program (with the exception of Elementary programs), often in addition to any certification exam required by your state.
- Pedagogy Exam: Finally, some states require the completion of a Pedagogy Exam, which assesses your knowledge of teaching methods.

#### *4. Complete preclinical experiences*

In preparation for your formal Demonstration Teaching (described in step 5 below), you will complete preclinical experiences designed to introduce you to the classroom through a series of activities, including observations and lesson planning. Working under the guidance of a WGU Placement Specialist, you will be asked to make arrangements with a local school to complete these activities.

#### *5. Complete a term of in-classroom student teaching (Demonstration Teaching)*

Demonstration Teaching (or student teaching) is a critical component of any teaching degree program. This in-classroom experience is invaluable in helping to integrate the academic knowledge and teaching skills you've developed to this point into a practical application that will prepare you to tackle the challenges of your own classroom effectively and with confidence.

Demonstration Teaching (DT) at WGU covers the competencies required for in-classroom proficiency. DT is a full-time, supervised, in-classroom experience of a minimum of 12–20 weeks. During Demonstration Teaching, you will be hosted by an experienced teacher. You will undergo a series of at least six observations by a Clinical Supervisor and also receive evaluations from your Host Teacher to evaluate your performance based on accepted professional standards.

As you approach your Demonstration Teaching, a WGU Placement Specialist will work with you to set up your placement. The process of scheduling your DT placement may take up to six months. You may be required to assist in the process of setting up your placement. In some cases, you may be required to commute up to two hours (or in rare cases longer than this). Note that students are not permitted to work during their Demonstration Teaching experience. You must be at least 18 years of age before you may begin the application process or participate in preclinical experiences or Demonstration Teaching.

Demonstration Teaching may not be waived and prior experience may not be used to satisfy this requirement as you must demonstrate competency in the classroom in order to complete your WGU degree program.

More information on field experiences can be found in the student handbook:

Initial Licensure Programs - <https://cm.wgu.edu/t5/Field-Experiences-Handbook/tkb-p/fieldplacement>

Advanced Programs - <https://cm.wgu.edu/t5/Field-Experiences-Handbook/tkb-p/advancedprograms>

#### *6. Meet any additional state certification requirements*

Some states have additional requirements for certification, such as coursework not included in your WGU program, CPR certification, or workshops.

More information on your state's requirements - <https://www.wgu.edu/online-teaching-degrees/state-licensure.html>

## Bachelor of Arts, Educational Studies in Elementary Education

*The Bachelor of Arts, Educational Studies in Elementary Education (BAESELED), includes content knowledge related to elementary (K-8) teaching. This program consists of online courses which take the learner from general education, through methods of instruction, assessment, and classroom management to elementary education courses for interacting with elementary-level students. It does not include a supervised teaching practicum in a real classroom and therefore does not meet the requirements for initial teacher licensure. This program is for individuals who, for various reasons, want the academic knowledge that relates to teaching, but who cannot or do not want to participate in a supervised classroom practicum and do not expect to be eligible to teach as a result of completing the program.*

CCN	Course Number	Course Description	CUs	Term
EDUC 2219	D097	Educational Foundations	2	1
HLTH 1010	C458	Health, Fitness, and Wellness	4	1
HUMN 1010	C100	Introduction to Humanities	3	1
ENGL 1010	C455	English Composition I	3	1
MATH 1111	D125	Mathematics for Elementary Educators I	3	2
EDUC 2216	D094	Educational Psychology and Development of Children and Adolescents	4	2
ENGL 1020	C456	English Composition II	3	2
COMM 1011	C464	Introduction to Communication	3	2
HIST 1010	C121	Survey of United States History	3	3
MATH 1112	D126	Mathematics for Elementary Educators II	3	3
POLS 1030	C963	American Politics and the US Constitution	3	3
EDUC 2212	D090	The School as a Community of Care	3	3
HIST 1310	C375	Survey of World History	3	4
EDUC 2218	D096	Fundamentals of Diverse Learners	4	4
SCIE 1020	C165	Integrated Physical Sciences	3	4
MATH 1113	D127	Mathematics for Elementary Educators III	3	4
SCIE 1001	C683	Natural Science Lab	2	5
EDUC 2217	D095	Managing Engaging Learning Environments	3	5
BIO 1010	C190	Introduction to Biology	3	5
EDUC 2213	D091	Introduction to Curriculum, Instruction, and Assessment	3	5
EDUC 2215	D093	Assessing Impact on Student Learning	3	5
EDUC 4230	C109	Elementary Mathematics Methods	3	6
EDUC 2214	D092	Educational Technology for Teaching and Learning	3	6
EDUC 4211	C909	Elementary Reading Methods and Interventions	3	6
EDUC 4220	C365	Language Arts Instruction and Intervention	3	6
EDUC 3167	D152	Inclusive Classroom	3	7
EDUC 4240	C108	Elementary Science Methods	3	7
EDUC 4250	C104	Elementary Social Studies Methods	3	7
EDUC 4270	C367	Elementary Physical Education and Health Methods	3	7
EDUC 4260	C105	Elementary Visual and Performing Arts Methods	3	8

CCN	Course Number	Course Description	CUs	Term
EDUC 3277	C732	Elementary Disciplinary Literacy	3	8
EDUC 3211	C970	Children's Literature	3	8
<b>Total CUs: 97</b>				

WGU offers an additional nine Bachelor of Arts in Educational Studies programs:

- B.A. Educational Studies - Special and Elementary Education
- B.A. Educational Studies - Mild to Moderate Special Education
- B.A. Educational Studies - Middle Grades Science Education
- B.A. Educational Studies - Secondary Biological Science Education
- B.A. Educational Studies - Secondary Chemistry Science Education
- B.A. Educational Studies - Secondary Earth Science Education
- B.A. Educational Studies - Secondary Physics Education
- B.A. Educational Studies - Middle Grades Mathematics Education
- B.A. Educational Studies - Secondary Mathematics Education

These programs do not include a supervised teaching practicum in a real classroom and therefore do not meet the requirements for initial teacher licensure. These programs are for individuals who, for various reasons, want the academic knowledge that relates to teaching, but who cannot or do not want to participate in a supervised classroom practicum and do not expect to be eligible to teach as a result of completing the program.

For more information, please see the WGU website - <https://www.wgu.edu/online-teaching-degrees/educational-studies-bachelors-program.html>

## Bachelor of Arts, Elementary Education

*The Bachelor of Arts in Elementary Education (BAELED), is a competency-based degree program that prepares students to be licensed as K-8 elementary teachers. This program consists of online courses which take the learner from general education through educational professional core coursework, continuing through methods of elementary instruction and assessment, including inclusive practices for students with mild to moderate exceptionalities. Candidates develop and refine their teaching skills through a series of sequential experiences beginning with video-based observations of classroom instruction to prepare candidates for authentic, collaborative, pre-clinical teaching experiences in K-8 settings. Clinical experiences culminate with supervised demonstration teaching in a real classroom. With the successful completion of required assessments in the major area of teaching, the student can receive institutional recommendation for certification in elementary education.*

CCN	Course Number	Course Description	CUs	Term
EDUC 2219	D097	Educational Foundations	2	1
HLTH 1010	C458	Health, Fitness, and Wellness	4	1
HUMN 1010	C100	Introduction to Humanities	3	1
ENGL 1010	C455	English Composition I	3	1
MATH 1111	D125	Mathematics for Elementary Educators I	3	2
EDUC 2216	D094	Educational Psychology and Development of Children and Adolescents	4	2
ENGL 1020	C456	English Composition II	3	2
COMM 1011	C464	Introduction to Communication	3	2
HIST 1010	C121	Survey of United States History	3	3
MATH 1112	D126	Mathematics for Elementary Educators II	3	3
POLS 1030	C963	American Politics and the US Constitution	3	3
EDUC 2212	D090	The School as a Community of Care	3	3
HIST 1310	C375	Survey of World History	3	4
EDUC 2218	D096	Fundamentals of Diverse Learners	4	4
SCIE 1020	C165	Integrated Physical Sciences	3	4
MATH 1113	D127	Mathematics for Elementary Educators III	3	4
SCIE 1001	C683	Natural Science Lab	2	5
EDUC 2217	D095	Managing Engaging Learning Environments	3	5
BIO 1010	C190	Introduction to Biology	3	5
EDUC 2213	D091	Introduction to Curriculum, Instruction, and Assessment	3	5
EDUC 2215	D093	Assessing Impact on Student Learning	3	5
EDUC 4230	C109	Elementary Mathematics Methods	3	6
EDUC 2214	D092	Educational Technology for Teaching and Learning	3	6
EDUC 4211	C909	Elementary Reading Methods and Interventions	3	6
EDUC 4220	C365	Language Arts Instruction and Intervention	3	6
EDUC 3167	D152	Inclusive Classroom	3	7
EDUC 4240	C108	Elementary Science Methods	3	7
EDUC 4250	C104	Elementary Social Studies Methods	3	7
EDUC 4270	C367	Elementary Physical Education and Health Methods	3	7



CCN	Course Number	Course Description	CUs	Term
EDUC 4260	C105	Elementary Visual and Performing Arts Methods	3	8
EDUC 3277	C732	Elementary Disciplinary Literacy	3	8
EDUC 3211	C970	Children's Literature	3	8
EDUC 3410	C935	Preclinical Experiences in Elementary Education	3	8
EDUC 4921	C307	Supervised Demonstration Teaching in Elementary Education, Observations 1 and 2	3	9
EDUC 4922	C308	Supervised Demonstration Teaching in Elementary Education, Observation 3 and Midterm	3	9
EDUC 4923	C309	Supervised Demonstration Teaching in Elementary Education, Observations 4 and 5	3	9
EDUC 4924	C310	Supervised Demonstration Teaching in Elementary Education, Observation 6 and Final	3	9
EDUC 4760	D146	Teacher Performance Assessment in Elementary Education	3	9
EDUC 4765	D151	Professional Portfolio	2	9
EDUC 4990	C341	Cohort Seminar	3	9
<b>Total CUs: 120</b>				

## Bachelor of Arts, Special Education and Elementary Education (Dual Licensure)

*The Bachelor of Arts, Special Education and Elementary Education Dual Licensure (BASPEE), is a competency-based degree program that prepares teacher candidates to teach both Special Education (K-12) and Elementary Education (K-8). The Special Education and Elementary Education Dual Licensure program is specifically designed for the education and training of prospective teachers to work with both elementary students and students with mild/moderate disabilities in a variety of school settings, including inclusionary K-12 classrooms, resource rooms or self-contained classrooms; serve as an elementary teacher of record K-8, as well as teach all basic school subjects in the elementary education classroom. This program consists of online courses which take the learner from general education, through methods of instruction, assessment, and classroom management to special education courses for teaching students with exceptionalities. Candidates develop and refine their skills through a series of sequential experiences beginning with video-based observations of classroom instruction, to prepare candidates for authentic, collaborative, pre-clinical teaching experiences in K-12 settings. Clinical experiences culminate with supervised demonstration teaching experience that consists of two placements, one in an elementary classroom and one in a middle or secondary level classroom. Both placements should support the academic needs of students with mild-to-moderate disabilities. With the successful completion of required assessments in the major area of teaching, the student can receive institutional recommendation for certification in special education and in elementary education.*

CCN	Course Number	Course Description	CUs	Term
EDUC 2219	D097	Educational Foundations	2	1
HLTH 1010	C458	Health, Fitness, and Wellness	4	1
HUMN 1010	C100	Introduction to Humanities	3	1
ENGL 1010	C455	English Composition I	3	1
MATH 1111	D125	Mathematics for Elementary Educators I	3	2
EDUC 2216	D094	Educational Psychology and Development of Children and Adolescents	4	2
ENGL 1020	C456	English Composition II	3	2
COMM 1011	C464	Introduction to Communication	3	2
HIST 1010	C121	Survey of United States History	3	3
MATH 1112	D126	Mathematics for Elementary Educators II	3	3
POLS 1030	C963	American Politics and the US Constitution	3	3
EDUC 2212	D090	The School as a Community of Care	3	3
HIST 1310	C375	Survey of World History	3	4
EDUC 2218	D096	Fundamentals of Diverse Learners	4	4
SCIE 1020	C165	Integrated Physical Sciences	3	4
MATH 1113	D127	Mathematics for Elementary Educators III	3	4
SPED 4513	D002	Professional, Ethical, and Legal Practices for Special Education	3	5
SCIE 1001	C683	Natural Science Lab	2	5
EDUC 2217	D095	Managing Engaging Learning Environments	3	5
BIO 1010	C190	Introduction to Biology	3	5
EDUC 2213	D091	Introduction to Curriculum, Instruction, and Assessment	3	5
EDUC 4230	C109	Elementary Mathematics Methods	3	6
SPED 4512	D001	Behavioral Support Strategies for K-12 Learners with Mild to Moderate Exceptionalities	4	6
EDUC 2215	D093	Assessing Impact on Student Learning	3	6
EDUC 4220	C365	Language Arts Instruction and Intervention	3	6

CCN	Course Number	Course Description	CUs	Term
EDUC 4211	C909	Elementary Reading Methods and Interventions	3	7
SPED 4514	D003	Assessment in Special Education	3	7
EDUC 2214	D092	Educational Technology for Teaching and Learning	3	7
SPED 4515	D004	Collaborating with Partners for Student Success	3	7
EDUC 4240	C108	Elementary Science Methods	3	8
EDUC 4250	C104	Elementary Social Studies Methods	3	8
EDUC 4270	C367	Elementary Physical Education and Health Methods	3	8
EDUC 4260	C105	Elementary Visual and Performing Arts Methods	3	8
EDUC 3277	C732	Elementary Disciplinary Literacy	3	9
EDUC 3211	C970	Children's Literature	3	9
SPED 4516	D005	Considerations for Instructional Planning for Learners with Mild to Moderate Exceptionalities	3	9
SPED 4517	D006	Instructional Strategies and Technologies for Elementary Learners with Mild to Moderate Exceptionali	2	9
SPED 4518	D007	Instructional Strategies and Technologies for Secondary Learners with Mild to Moderate Exceptionalit	2	9
EDUC 3413	C934	Preclinical Experiences in Elementary and Special Education	3	10
EDUC 4951	C311	Supervised Demonstration Teaching in Elementary and Special Education, Obs 1 and 2	3	11
EDUC 4952	C312	Supervised Demonstration Teaching in Elementary and Special Education, Obs 3 and Midterm	3	11
EDUC 4953	C313	Supervised Demonstration Teaching in Elementary and Special Education, Obs 4 and 5	3	11
EDUC 4954	C314	Supervised Demonstration Teaching in Elementary and Special Education, Obs 6 and Final	3	11
EDUC 4761	D147	Teacher Performance Assessment in Elementary and Special Education	3	11
EDUC 4765	D151	Professional Portfolio	2	11
EDUC 4989	C340	Cohort Seminar in Special Education	3	11
<b>Total CUs: 137</b>				

## Bachelor of Arts, Special Education, Mild to Moderate

*The Bachelor of Arts, Special Education, Mild-to-Moderate (BASPM), is a competency-based degree program that prepares teacher candidates to teach Special Education (K-12). The Special Education, Mild to Moderate Exceptionalities program is specifically designed for the preparation of prospective teachers to work with students with mild to moderate disabilities in a variety of educational settings, including inclusionary K-12 classrooms and resource classrooms. This program consists of online courses which take the learner from general education, through methods of instruction, assessment, and classroom management to special education courses for teaching students with exceptionalities. Candidates develop and refine their skills through a series of sequential experiences beginning with video-based observations of classroom instruction, to prepare candidates for authentic, collaborative, pre-clinical teaching experiences in K-12 settings. Clinical experiences culminate with supervised demonstration teaching experience that consists of two placements, one in an elementary special education setting and another in a secondary special education setting. Both placements support the academic needs of students with mild-to-moderate disabilities. With the successful completion of program expectations and required assessments in the major area of teaching, the candidate can receive institutional recommendation for certification in special education.*

CCN	Course Number	Course Description	CUs	Term
EDUC 2219	D097	Educational Foundations	2	1
ENGL 1010	C455	English Composition I	3	1
HUMN 1010	C100	Introduction to Humanities	3	1
MATH 1111	D125	Mathematics for Elementary Educators I	3	1
HIST 1010	C121	Survey of United States History	3	1
EDUC 2216	D094	Educational Psychology and Development of Children and Adolescents	4	2
ENGL 1020	C456	English Composition II	3	2
COMM 1011	C464	Introduction to Communication	3	2
MATH 1112	D126	Mathematics for Elementary Educators II	3	2
EDUC 2212	D090	The School as a Community of Care	3	3
HIST 1310	C375	Survey of World History	3	3
EDUC 2218	D096	Fundamentals of Diverse Learners	4	3
SCIE 1020	C165	Integrated Physical Sciences	3	3
MATH 1113	D127	Mathematics for Elementary Educators III	3	4
SPED 4513	D002	Professional, Ethical, and Legal Practices for Special Education	3	4
SCIE 1001	C683	Natural Science Lab	2	4
EDUC 2217	D095	Managing Engaging Learning Environments	3	4
BIO 1010	C190	Introduction to Biology	3	4
EDUC 2213	D091	Introduction to Curriculum, Instruction, and Assessment	3	5
EDUC 4230	C109	Elementary Mathematics Methods	3	5
SPED 4512	D001	Behavioral Support Strategies for K-12 Learners with Mild to Moderate Exceptionalities	4	5
EDUC 2215	D093	Assessing Impact on Student Learning	3	5
EDUC 4220	C365	Language Arts Instruction and Intervention	3	6
EDUC 4211	C909	Elementary Reading Methods and Interventions	3	6
SPED 4514	D003	Assessment in Special Education	3	6
EDUC 2214	D092	Educational Technology for Teaching and Learning	3	6

CCN	Course Number	Course Description	CUs	Term
SPED 4515	D004	Collaborating with Partners for Student Success	3	7
EDUC 3276	C730	Secondary Reading Instruction and Interventions	3	7
EDUC 3279	D010	Disciplinary Literacy	3	7
EDUC 3211	C970	Children's Literature	3	7
SPED 4516	D005	Considerations for Instructional Planning for Learners with Mild to Moderate Exceptionalities	3	8
SPED 4517	D006	Instructional Strategies and Technologies for Elementary Learners with Mild to Moderate Exceptionali	2	8
SPED 4518	D007	Instructional Strategies and Technologies for Secondary Learners with Mild to Moderate Exceptionalit	2	8
EDUC 3420	D009	Preclinical Experiences in Special Education	3	8
EDUC 4047	D012	Supervised Demonstration Teaching in Special Education, Obs 1 and 2	3	8
EDUC 4049	D013	Supervised Demonstration Teaching in Special Education, Obs 3 and Midterm	3	9
EDUC 4050	D014	Supervised Demonstration Teaching in Special Education, Obs 4 and 5	3	9
EDUC 4051	D015	Supervised Demonstration Teaching in Special Education, Obs 6 and Final	3	9
EDUC 4763	D149	Teacher Performance Assessment in Special Education	3	10
EDUC 4765	D151	Professional Portfolio	2	10
EDUC 4989	C340	Cohort Seminar in Special Education	3	10
<b>Total CUs: 121</b>				

## Bachelor of Science, Mathematics Education (Middle Grades)

*The Bachelor of Science, Mathematics Education (Middle Grades) is a competency-based program that prepares students to be licensed as mathematics teachers in middle grades. All work in this degree program is online with the exception of the Demonstration Teaching and in-classroom field experience components. This program consists of work in General Education, Teacher Education Foundations, Mathematics Content, and Mathematics Education. This program includes clinical experiences that prepare teacher candidates for the classroom. Candidates develop and refine their teaching skills through a series of sequential experiences beginning with; video-based observations of classroom instruction. Observations prepare candidates for an authentic, collaborative pre-clinical teaching experiences in K-12 settings. Clinical experiences culminate with supervised demonstration teaching in a real classroom.*

CCN	Course Number	Course Description	CUs	Term
EDUC 2219	D097	Educational Foundations	2	1
MATH 2708	C306	Finite Mathematics	4	1
HUMN 1010	C100	Introduction to Humanities	3	1
MATH 1015	C278	College Algebra	4	1
EDUC 2216	D094	Educational Psychology and Development of Children and Adolescents	4	2
HIST 1010	C121	Survey of United States History	3	2
ENGL 1010	C455	English Composition I	3	2
SCIE 1020	C165	Integrated Physical Sciences	3	2
EDUC 2212	D090	The School as a Community of Care	3	3
MATH 1101	C955	Applied Probability and Statistics	3	3
MATH 3321	C646	Trigonometry and Precalculus	4	3
EDUC 2218	D096	Fundamentals of Diverse Learners	4	3
EDUC 2217	D095	Managing Engaging Learning Environments	3	4
MATH 2505	C280	Probability and Statistics I	4	4
BIO 1010	C190	Introduction to Biology	3	4
SCIE 1001	C683	Natural Science Lab	2	4
EDUC 2213	D091	Introduction to Curriculum, Instruction, and Assessment	3	5
EDUC 2215	D093	Assessing Impact on Student Learning	3	5
MATH 3610	C972	College Geometry	4	5
MATH 4305	C903	Middle School Mathematics: Content Knowledge	2	5
ENGL 1020	C456	English Composition II	3	6
COMM 1011	C464	Introduction to Communication	3	6
EDUC 2214	D092	Educational Technology for Teaching and Learning	3	6
POLS 1030	C963	American Politics and the US Constitution	3	6
MATH 2405	C282	Calculus I	4	7
EDUC 4305	C285	Mathematics History and Technology	4	7
EDUC 3276	C730	Secondary Reading Instruction and Interventions	3	7
EDUC 3275	C728	Secondary Disciplinary Literacy	3	7
EDUC 4315	C284	Mathematics Learning and Teaching	4	8

CCN	Course Number	Course Description	CUs	Term
EDUC 4112	C965	Teaching in the Middle School	2	8
EDUC 3101	C879	Algebra for Secondary Mathematics Teaching	3	8
EDUC 3411	C930	Preclinical Experiences in Mathematics	3	8
EDUC 4932	C315	Supervised Demonstration Teaching in Mathematics, Observations 1 and 2	3	9
EDUC 4933	C316	Supervised Demonstration Teaching in Mathematics, Observation 3 and Midterm	3	9
EDUC 4934	C317	Supervised Demonstration Teaching in Mathematics, Observations 4 and 5	3	9
EDUC 4935	C318	Supervised Demonstration Teaching in Mathematics, Observation 6 and Final	3	9
EDUC 4762	D148	Teacher Performance Assessment in Mathematics Education	3	9
EDUC 4765	D151	Professional Portfolio	2	9
EDUC 4990	C341	Cohort Seminar	3	9
<b>Total CUs: 122</b>				

## Bachelor of Science, Mathematics Education (Secondary)

*The Bachelor of Science, Mathematics Education (Secondary) is a competency-based degree program that prepares students to be licensed as mathematics teachers in middle grades. All work in this degree program is online with the exception of the Demonstration Teaching and in-classroom field experience components. The program consists of work in Mathematics Content, Teacher Education Foundations, and Mathematics Education. This program includes clinical experiences that prepare teacher candidates for the classroom. Candidates develop and refine their teaching skills through a series of sequential experiences beginning with video-based observations of classroom instruction. Observations prepare candidates for authentic collaborative pre-clinical teaching experiences in K-12 settings. Clinical experiences culminate with supervised demonstration teaching in a real classroom.*

CCN	Course Number	Course Description	CUs	Term
EDUC 2219	D097	Educational Foundations	2	1
MATH 1015	C278	College Algebra	4	1
MATH 3321	C646	Trigonometry and Precalculus	4	1
HUMN 1010	C100	Introduction to Humanities	3	1
EDUC 2216	D094	Educational Psychology and Development of Children and Adolescents	4	2
BIO 1010	C190	Introduction to Biology	3	2
MATH 2505	C280	Probability and Statistics I	4	2
ENGL 1010	C455	English Composition I	3	2
EDUC 2212	D090	The School as a Community of Care	3	3
ENGL 1020	C456	English Composition II	3	3
COMM 1011	C464	Introduction to Communication	3	3
EDUC 2218	D096	Fundamentals of Diverse Learners	4	3
EDUC 2217	D095	Managing Engaging Learning Environments	3	4
MATH 3610	C972	College Geometry	4	4
MATH 2000	C362	Calculus I	4	4
SCIE 1020	C165	Integrated Physical Sciences	3	4
SCIE 1001	C683	Natural Science Lab	2	5
MATH 2415	C283	Calculus II	4	5
EDUC 2213	D091	Introduction to Curriculum, Instruction, and Assessment	3	5
EDUC 2215	D093	Assessing Impact on Student Learning	3	5
MATH 2520	TQC1	Probability and Statistics II	3	6
HIST 1010	C121	Survey of United States History	3	6
MATH 3311	C656	Calculus III	3	6
EDUC 2214	D092	Educational Technology for Teaching and Learning	3	6
MATH 3100	C877	Mathematical Modeling and Applications	3	7
MATH 3310	RKT1	Linear Algebra	3	7
MATH 4315	C897	Mathematics: Content Knowledge	2	7
EDUC 3276	C730	Secondary Reading Instruction and Interventions	3	7
EDUC 3275	C728	Secondary Disciplinary Literacy	3	7
MATH 3320	QDT1	Abstract Algebra	3	8



CCN	Course Number	Course Description	CUs	Term
MATH 3104	C885	Advanced Calculus	3	8
EDUC 4315	C284	Mathematics Learning and Teaching	4	8
EDUC 3101	C879	Algebra for Secondary Mathematics Teaching	3	8
EDUC 3102	C881	Geometry for Secondary Mathematics Teaching	3	9
EDUC 3103	C883	Statistics and Probability for Secondary Mathematics Teaching	3	9
EDUC 3414	C932	Preclinical Experiences in Mathematics	3	9
EDUC 4305	C285	Mathematics History and Technology	4	9
EDUC 4932	C315	Supervised Demonstration Teaching in Mathematics, Observations 1 and 2	3	10
EDUC 4933	C316	Supervised Demonstration Teaching in Mathematics, Observation 3 and Midterm	3	10
EDUC 4934	C317	Supervised Demonstration Teaching in Mathematics, Observations 4 and 5	3	10
EDUC 4935	C318	Supervised Demonstration Teaching in Mathematics, Observation 6 and Final	3	10
EDUC 4762	D148	Teacher Performance Assessment in Mathematics Education	3	10
EDUC 4765	D151	Professional Portfolio	2	10
EDUC 4990	C341	Cohort Seminar	3	10
<b>Total CUs: 138</b>				

## Bachelor of Science, Science Education (Middle Grades)

*The Bachelor of Science, Science Education (Middle Grades) is a competency-based degree program that prepares students to be licensed as science teachers in the middle grades. All work in this degree program is online with the exception of the Demonstration Teaching and in-classroom field experience components, which prepares teacher candidates for the classroom. Candidates develop and refine their teaching skills through a series of sequential experiences beginning with video-based observations of classroom instruction to prepare candidates for an authentic, collaborative, pre-clinical teaching experiences in K-12 settings. Clinical experiences culminate with supervised demonstration teaching in a real classroom. The program consists of work in General Education, Foundations of Teaching, Science Content, Pedagogy, Science Education, Field Experience, and Demonstration Teaching.*

CCN	Course Number	Course Description	CUs	Term
SCIE 2025	C371	Concepts in Science	2	1
EDUC 2219	D097	Educational Foundations	2	1
ENGL 1010	C455	English Composition I	3	1
SCIE 1020	C165	Integrated Physical Sciences	3	1
SCIE 1001	C683	Natural Science Lab	2	1
EDUC 2216	D094	Educational Psychology and Development of Children and Adolescents	4	2
MATH 1015	C278	College Algebra	4	2
BIO 1010	C190	Introduction to Biology	3	2
ENGL 1020	C456	English Composition II	3	2
EDUC 2212	D090	The School as a Community of Care	3	3
MATH 1101	C955	Applied Probability and Statistics	3	3
COMM 1011	C464	Introduction to Communication	3	3
EDUC 2218	D096	Fundamentals of Diverse Learners	4	3
EDUC 2217	D095	Managing Engaging Learning Environments	3	4
HUMN 1010	C100	Introduction to Humanities	3	4
CHEM 2111	C832	Chemistry with Lab	4	4
HIST 1010	C121	Survey of United States History	3	4
GEOS 2102	C890	Ecology and Environmental Science	3	5
EDUC 2213	D091	Introduction to Curriculum, Instruction, and Assessment	3	5
EDUC 2215	D093	Assessing Impact on Student Learning	3	5
BIO 3105	C652	Heredity and Genetics	3	5
PHYS 2100	RNT1	General Physics	5	6
POLS 1030	C963	American Politics and the US Constitution	3	6
EDUC 2214	D092	Educational Technology for Teaching and Learning	3	6
GEOS 2104	C894	Astronomy	3	6
GEOS 3513	C925	Earth: Inside and Out	4	7
EDUC 4409	C388	Science, Technology, and Society	5	7
SCIE 4405	C902	Middle School Science: Content Knowledge	2	7
EDUC 3276	C730	Secondary Reading Instruction and Interventions	3	7
EDUC 3275	C728	Secondary Disciplinary Literacy	3	8

CCN	Course Number	Course Description	CUs	Term
EDUC 4112	C965	Teaching in the Middle School	2	8
EDUC 4117	C974	Science Methods—Middle Grades General Science	4	8
EDUC 3412	C937	Preclinical Experiences in Science	3	8
EDUC 4945	C319	Supervised Demonstration Teaching in Science, Observations 1 and 2	3	9
EDUC 4946	C320	Supervised Demonstration Teaching in Science, Observation 3 and Midterm	3	9
EDUC 4947	C321	Supervised Demonstration Teaching in Science, Observations 4 and 5	3	9
EDUC 4948	C322	Supervised Demonstration Teaching in Science, Observation 6 and Final	3	9
EDUC 4764	D150	Teacher Performance Assessment in Science	3	9
EDUC 4765	D151	Professional Portfolio	2	9
EDUC 4990	C341	Cohort Seminar	3	9
<b>Total CUs: 124</b>				

## Bachelor of Science, Science Education (Secondary Biological Science)

*The Bachelor of Science, Science Education (Secondary Biological Science) is a competency based degree program that prepares students to be licensed as secondary biology teachers. All work in this degree program is online with the exception of the Demonstration Teaching and in-classroom field experience components, which prepare teacher candidates for the classroom. Candidates develop and refine their teaching skills through a series of sequential experiences beginning with video-based observations of classroom instruction to prepare candidates for an authentic, collaborative, pre-clinical teaching experiences in K-12 settings. Clinical experiences culminate with supervised demonstration teaching in a real classroom. The program consists of work in General Education, Foundations of Teaching, General Science Content, Mathematics Content, Biology Content, Pedagogy, Science Education, Field Experience, and Demonstration Teaching.*

CCN	Course Number	Course Description	CUs	Term
SCIE 2025	C371	Concepts in Science	2	1
EDUC 2219	D097	Educational Foundations	2	1
ENGL 1010	C455	English Composition I	3	1
BIO 1010	C190	Introduction to Biology	3	1
SCIE 1001	C683	Natural Science Lab	2	1
EDUC 2216	D094	Educational Psychology and Development of Children and Adolescents	4	2
MATH 1015	C278	College Algebra	4	2
SCIE 1020	C165	Integrated Physical Sciences	3	2
MATH 1101	C955	Applied Probability and Statistics	3	2
EDUC 2212	D090	The School as a Community of Care	3	3
ENGL 1020	C456	English Composition II	3	3
COMM 1011	C464	Introduction to Communication	3	3
EDUC 2218	D096	Fundamentals of Diverse Learners	4	3
EDUC 2217	D095	Managing Engaging Learning Environments	3	4
CHEM 2111	C832	Chemistry with Lab	4	4
BIO 2102	C888	Molecular and Cellular Biology	4	4
HIST 1010	C121	Survey of United States History	3	4
HUMN 1010	C100	Introduction to Humanities	3	5
EDUC 2213	D091	Introduction to Curriculum, Instruction, and Assessment	3	5
EDUC 2215	D093	Assessing Impact on Student Learning	3	5
BIO 2012	C875	Human Anatomy and Physiology	4	5
BIO 3105	C652	Heredity and Genetics	3	6
EDUC 2214	D092	Educational Technology for Teaching and Learning	3	6
BIO 2101	C654	Zoology	3	6
EDUC 4409	C388	Science, Technology, and Society	5	6
GEOS 2102	C890	Ecology and Environmental Science	3	7
BIO 3261	C736	Evolution	4	7
BIO 4405	C900	Biology: Content Knowledge	2	7
EDUC 3276	C730	Secondary Reading Instruction and Interventions	3	7

CCN	Course Number	Course Description	CUs	Term
EDUC 3275	C728	Secondary Disciplinary Literacy	3	8
EDUC 4113	C940	Science Methods—Secondary Biology	4	8
EDUC 3412	C937	Preclinical Experiences in Science	3	8
EDUC 4945	C319	Supervised Demonstration Teaching in Science, Observations 1 and 2	3	9
EDUC 4946	C320	Supervised Demonstration Teaching in Science, Observation 3 and Midterm	3	9
EDUC 4947	C321	Supervised Demonstration Teaching in Science, Observations 4 and 5	3	9
EDUC 4948	C322	Supervised Demonstration Teaching in Science, Observation 6 and Final	3	9
EDUC 4764	D150	Teacher Performance Assessment in Science	3	9
EDUC 4765	D151	Professional Portfolio	2	9
EDUC 4990	C341	Cohort Seminar	3	9
<b>Total CUs: 122</b>				

## Bachelor of Science, Science Education (Secondary Chemistry)

*The Bachelor of Science, Science Education (Secondary Chemistry) is a competency based degree program that prepares students to be licensed as secondary chemistry teachers. All work in this degree program is online with the exception of the Demonstration Teaching and in-classroom field experience components, which prepare teacher candidates for the classroom. Candidates develop and refine their teaching skills through a series of sequential experiences beginning with video-based observations of classroom instruction to prepare candidates for an authentic, collaborative, pre-clinical teaching experiences in K-12 settings. Clinical experiences culminate with supervised demonstration teaching in a real classroom. The program consists of work in General Education, Foundations of Teaching, General Science Content, Mathematics Content, Chemistry Content, Pedagogy, Science Education, Field Experience, and Demonstration Teaching.*

CCN	Course Number	Course Description	CUs	Term
SCIE 2025	C371	Concepts in Science	2	1
EDUC 2219	D097	Educational Foundations	2	1
ENGL 1010	C455	English Composition I	3	1
SCIE 1020	C165	Integrated Physical Sciences	3	1
SCIE 1001	C683	Natural Science Lab	2	1
EDUC 2216	D094	Educational Psychology and Development of Children and Adolescents	4	2
MATH 1015	C278	College Algebra	4	2
BIO 1010	C190	Introduction to Biology	3	2
CHEM 2110	C373	General Chemistry I with Lab	4	2
EDUC 2212	D090	The School as a Community of Care	3	3
ENGL 1020	C456	English Composition II	3	3
CHEM 2210	C374	General Chemistry II with Lab	4	3
MATH 1101	C955	Applied Probability and Statistics	3	3
EDUC 2218	D096	Fundamentals of Diverse Learners	4	4
EDUC 2217	D095	Managing Engaging Learning Environments	3	4
CHEM 3310	BVT1	Physical Chemistry	3	4
COMM 1011	C464	Introduction to Communication	3	4
MATH 3321	C646	Trigonometry and Precalculus	4	5
HIST 1010	C121	Survey of United States History	3	5
EDUC 2213	D091	Introduction to Curriculum, Instruction, and Assessment	3	5
EDUC 2215	D093	Assessing Impact on Student Learning	3	5
MATH 2405	C282	Calculus I	4	6
HUMN 1010	C100	Introduction to Humanities	3	6
EDUC 2214	D092	Educational Technology for Teaching and Learning	3	6
CHEM 3300	BWT1	Inorganic Chemistry	3	6
CHEM 2300	UQT1	Organic Chemistry	3	7
EDUC 4409	C388	Science, Technology, and Society	5	7
CHEM 3501	C624	Biochemistry	3	7
EDUC 3512	C264	Climate Change	4	7

CCN	Course Number	Course Description	CUs	Term
CHEM 4405	C915	Chemistry: Content Knowledge	2	8
EDUC 3276	C730	Secondary Reading Instruction and Interventions	3	8
EDUC 3275	C728	Secondary Disciplinary Literacy	3	8
EDUC 4114	C941	Science Methods—Secondary Chemistry	4	8
EDUC 3412	C937	Preclinical Experiences in Science	3	9
EDUC 4945	C319	Supervised Demonstration Teaching in Science, Observations 1 and 2	3	10
EDUC 4946	C320	Supervised Demonstration Teaching in Science, Observation 3 and Midterm	3	10
EDUC 4947	C321	Supervised Demonstration Teaching in Science, Observations 4 and 5	3	10
EDUC 4948	C322	Supervised Demonstration Teaching in Science, Observation 6 and Final	3	10
EDUC 4764	D150	Teacher Performance Assessment in Science	3	10
EDUC 4765	D151	Professional Portfolio	2	10
EDUC 4990	C341	Cohort Seminar	3	10
<b>Total CUs: 129</b>				

## Bachelor of Science, Science Education (Secondary Earth Science)

*The Bachelor of Science, Science Education (Secondary Earth Science) is a competency based degree program that prepares students to be licensed as secondary earth and space science teachers. All work in this degree program is online with the exception of the Demonstration Teaching and in-classroom field experience components, which prepare teacher candidates for the classroom. Candidates develop and refine their teaching skills through a series of sequential experiences beginning with video-based observations of classroom instruction to prepare candidates for an authentic, collaborative, pre-clinical teaching experiences in K-12 settings. Clinical experiences culminate with supervised demonstration teaching in a real classroom. The program consists of work in General Education, Foundations of Teaching, General Science Content, Mathematics Content, Geosciences Content, Pedagogy, Science Education, Field Experience, and Demonstration Teaching.*

CCN	Course Number	Course Description	CUs	Term
SCIE 2025	C371	Concepts in Science	2	1
EDUC 2219	D097	Educational Foundations	2	1
ENGL 1010	C455	English Composition I	3	1
SCIE 1020	C165	Integrated Physical Sciences	3	1
SCIE 1001	C683	Natural Science Lab	2	1
EDUC 2216	D094	Educational Psychology and Development of Children and Adolescents	4	2
BIO 1010	C190	Introduction to Biology	3	2
MATH 1015	C278	College Algebra	4	2
ENGL 1020	C456	English Composition II	3	2
EDUC 2212	D090	The School as a Community of Care	3	3
COMM 1011	C464	Introduction to Communication	3	3
MATH 1101	C955	Applied Probability and Statistics	3	3
EDUC 2218	D096	Fundamentals of Diverse Learners	4	3
EDUC 2217	D095	Managing Engaging Learning Environments	3	4
CHEM 2111	C832	Chemistry with Lab	4	4
HIST 1010	C121	Survey of United States History	3	4
GEOS 2102	C890	Ecology and Environmental Science	3	4
EDUC 2213	D091	Introduction to Curriculum, Instruction, and Assessment	3	5
EDUC 2215	D093	Assessing Impact on Student Learning	3	5
PHYS 2100	RNT1	General Physics	5	5
HUMN 1010	C100	Introduction to Humanities	3	5
GEOS 2101	C649	Geology I: Physical	4	6
GEOS 2103	C892	Geology II: Earth Systems	4	6
EDUC 2214	D092	Educational Technology for Teaching and Learning	3	6
GEOS 2104	C894	Astronomy	3	6
EDUC 4409	C388	Science, Technology, and Society	5	7
EDUC 3511	C263	The Ocean Systems	4	7
GEOS 4405	C898	Earth Science: Content Knowledge	2	7
EDUC 3276	C730	Secondary Reading Instruction and Interventions	3	7



CCN	Course Number	Course Description	CUs	Term
EDUC 3275	C728	Secondary Disciplinary Literacy	3	8
EDUC 4115	C942	Science Methods—Secondary Earth Science	4	8
EDUC 3412	C937	Preclinical Experiences in Science	3	8
EDUC 4945	C319	Supervised Demonstration Teaching in Science, Observations 1 and 2	3	9
EDUC 4946	C320	Supervised Demonstration Teaching in Science, Observation 3 and Midterm	3	9
EDUC 4947	C321	Supervised Demonstration Teaching in Science, Observations 4 and 5	3	9
EDUC 4948	C322	Supervised Demonstration Teaching in Science, Observation 6 and Final	3	9
EDUC 4764	D150	Teacher Performance Assessment in Science	3	9
EDUC 4765	D151	Professional Portfolio	2	9
EDUC 4990	C341	Cohort Seminar	3	9
<b>Total CUs: 124</b>				

## Bachelor of Science, Science Education (Secondary Physics)

*The Bachelor of Science, Science Education (Secondary Physics) is a competency based degree program that prepares students to be licensed as secondary physics teachers. All work in this degree program is online with the exception of the Demonstration Teaching and in-classroom field experience components, which prepare teacher candidates for the classroom. Candidates develop and refine their teaching skills through a series of sequential experiences beginning with video-based observations of classroom instruction to prepare candidates for an authentic, collaborative, pre-clinical teaching experiences in K-12 settings. Clinical experiences culminate with supervised demonstration teaching in a real classroom. The program consists of work in General Education, Foundations of Teaching, General Science Content, Mathematics Content, Physics Content, Pedagogy, Science Education, Field Experience, and Demonstration Teaching.*

CCN	Course Number	Course Description	CUs	Term
SCIE 2025	C371	Concepts in Science	2	1
EDUC 2219	D097	Educational Foundations	2	1
MATH 1015	C278	College Algebra	4	1
ENGL 1010	C455	English Composition I	3	1
MATH 1101	C955	Applied Probability and Statistics	3	1
EDUC 2216	D094	Educational Psychology and Development of Children and Adolescents	4	2
BIO 1010	C190	Introduction to Biology	3	2
SCIE 1020	C165	Integrated Physical Sciences	3	2
SCIE 1001	C683	Natural Science Lab	2	2
EDUC 2212	D090	The School as a Community of Care	3	3
MATH 3321	C646	Trigonometry and Precalculus	4	3
PHYS 2102	C876	Conceptual Physics	5	3
ENGL 1020	C456	English Composition II	3	4
EDUC 2218	D096	Fundamentals of Diverse Learners	4	4
EDUC 2217	D095	Managing Engaging Learning Environments	3	4
CHEM 2111	C832	Chemistry with Lab	4	4
COMM 1011	C464	Introduction to Communication	3	5
MATH 2405	C282	Calculus I	4	5
PHYS 2300	BYT1	Physics: Mechanics	3	5
EDUC 2213	D091	Introduction to Curriculum, Instruction, and Assessment	3	5
EDUC 2215	D093	Assessing Impact on Student Learning	3	6
HUMN 1010	C100	Introduction to Humanities	3	6
MATH 2415	C283	Calculus II	4	6
SCIE 2310	BZT1	Physics: Waves and Optics	3	6
EDUC 2214	D092	Educational Technology for Teaching and Learning	3	7
HIST 1010	C121	Survey of United States History	3	7
PHYS 2320	DPT1	Physics: Electricity and Magnetism	3	7
EDUC 4409	C388	Science, Technology, and Society	5	7
PHYS 3262	C738	Space, Time and Motion	4	8

CCN	Course Number	Course Description	CUs	Term
PHYS 4405	C901	Physics: Content Knowledge	2	8
EDUC 3276	C730	Secondary Reading Instruction and Interventions	3	8
EDUC 3275	C728	Secondary Disciplinary Literacy	3	8
EDUC 4116	C943	Science Methods—Secondary Physics	4	9
EDUC 3412	C937	Preclinical Experiences in Science	3	9
EDUC 4945	C319	Supervised Demonstration Teaching in Science, Observations 1 and 2	3	10
EDUC 4946	C320	Supervised Demonstration Teaching in Science, Observation 3 and Midterm	3	10
EDUC 4947	C321	Supervised Demonstration Teaching in Science, Observations 4 and 5	3	10
EDUC 4948	C322	Supervised Demonstration Teaching in Science, Observation 6 and Final	3	10
EDUC 4764	D150	Teacher Performance Assessment in Science	3	10
EDUC 4765	D151	Professional Portfolio	2	10
EDUC 4990	C341	Cohort Seminar	3	10
<b>Total CUs: 131</b>				

## Master of Arts in Teaching, Elementary Education

*The Master of Arts in Teaching Elementary Education (MATELED), is a competency-based degree program that prepares students at the graduate level to be licensed as K-8 elementary teachers. All work in this degree program is online with the exception of the demonstration teaching and in-classroom field experience components. Students enter this program with an undergraduate degree and then progress through educational professional core coursework, continuing through methods of elementary instruction and assessment. Candidates develop and refine their teaching skills through a series of sequential experiences beginning with video-based observations of classroom instruction. Observations prepare candidates for authentic, collaborative pre-clinical teaching experiences in K-12 settings. Clinical experiences culminate with supervised demonstration teaching in a real classroom.*

CCN	Course Number	Course Description	CUs	Term
EDUC 5053	D166	Foundations of Education	2	1
EDUC 5074	D307	Educational Psychology and Human Development of Children and Adolescents	4	1
EDUC 5055	D168	Schools as Communities of Care	2	1
EDUC 5056	D169	Essential Practices for Supporting Diverse Learners	3	2
EDUC 5057	D170	Creating and Managing Engaging Learning Environments	2	2
EDUC 5058	D171	Curriculum, Instruction, and Assessment	2	2
EDUC 5059	D172	Assessing Student Learning	2	2
EDUC 5060	D173	Using Educational Technology for Teaching and Learning	2	3
MATH 5127	D128	Mathematics for Elementary Educators	2	3
EDUC 6202	C381	Elementary Mathematics Methods	2	3
EDUC 6380	C380	Language Arts Instruction and Intervention	2	3
EDUC 6207	C910	Elementary Reading Methods and Interventions	2	4
EDUC 6203	C382	Elementary Science Methods	2	4
EDUC 6709	DWP2	Application of Elementary Social Studies Methods	1	4
EDUC 6713	EBP2	Application of Elementary Physical Education and Health Methods	1	4
EDUC 6711	DZP2	Application of Elementary Visual and Performing Arts Methods	1	4
EDUC 5318	D164	Elementary Disciplinary Literacy	2	4
EDUC 5319	D165	Children's Literature	2	5
EDUC 5302	C936	Preclinical Experiences in Elementary Education	2	5
EDUC 6961	D130	Supervised Demonstration Teaching in Elementary Education, Observations 1 and 2	2	6
EDUC 6962	D131	Supervised Demonstration Teaching in Elementary Education, Observation 3 and Midterm	2	6
EDUC 6963	D132	Supervised Demonstration Teaching in Elementary Education, Observations 4 and 5	2	6
EDUC 6964	D133	Supervised Demonstration Teaching in Elementary Education, Observation 6 and Final	2	6
EDUC 6751	C873	Teacher Performance Assessment in Elementary Education	1	6
EDUC 5255	C347	Professional Portfolio	1	6
EDUC 5253	C339	Cohort Seminar	1	6
<b>Total CUs: 49</b>				

## Master of Arts in Teaching, English Education (Secondary)

*The Master of Arts in Teaching, English Education (Secondary) is a competency-based degree program that prepares students at the graduate level for licensure to teach English in a secondary setting, through the development of pedagogical skills in English curriculum development, design, and evaluation. All work in this degree program is completed online with the exception of the Demonstration Teaching and in-classroom field experience components, which prepares teacher candidates for the classroom. Candidates develop and refine their teaching skills through a series of sequential experiences beginning with; video-based observations of classroom instruction and participation in simulated classroom environments. Observations prepare candidates for an authentic, collaborative pre-clinical teaching experiences in K-12 settings. Clinical experiences culminate with supervised demonstration teaching in a real classroom. Students enter this program with an English major or equivalent and build on the existing knowledge base of English through the Foundations of Teaching, Teacher Education Diversity, Instructional Planning and Presentation, English Pedagogy, video-based classroom observation, Pre-Clinical Experiences, Demonstration Teaching and Research Fundamentals.*

CCN	Course Number	Course Description	CUs	Term
EDUC 5053	D166	Foundations of Education	2	1
EDUC 5074	D307	Educational Psychology and Human Development of Children and Adolescents	4	1
EDUC 5055	D168	Schools as Communities of Care	2	1
EDUC 5056	D169	Essential Practices for Supporting Diverse Learners	3	2
EDUC 5057	D170	Creating and Managing Engaging Learning Environments	2	2
EDUC 5058	D171	Curriculum, Instruction, and Assessment	2	2
EDUC 5059	D172	Assessing Student Learning	2	2
EDUC 5060	D173	Using Educational Technology for Teaching and Learning	2	3
EDUC 5317	D163	Secondary Reading Instruction and Interventions	2	3
EDUC 5316	D162	Secondary Disciplinary Literacy	2	3
EDUC 5347	C396	English Pedagogy	3	3
EDUC 5256	C945	Preclinical Experiences in English	2	4
EDUC 6973	D142	Supervised Demonstration Teaching in English, Observations 1 and 2	2	5
EDUC 6974	D143	Supervised Demonstration Teaching in English, Observation 3 and Midterm	2	5
EDUC 6975	D144	Supervised Demonstration Teaching in English, Observations 4 and 5	2	5
EDUC 6976	D145	Supervised Demonstration Teaching in English, Observation 6 and Final	2	5
EDUC 5252	C853	Teacher Performance Assessment in English	1	5
EDUC 5255	C347	Professional Portfolio	1	5
EDUC 5253	C339	Cohort Seminar	1	5
<b>Total CUs: 39</b>				

## Master of Arts in Teaching, Mathematics Education (Middle Grades)

*The Master of Arts in Teaching-Mathematics Education (Middle Grades) is a competency-based degree program that prepares students at the graduate level both to be licensed to teach mathematics in middle grades and to develop significant skills in mathematics curriculum development, design, and evaluation. All work in this degree program is online with the exception of the Demonstration Teaching and in-classroom field experience components, which prepare teacher candidates for the classroom. Candidates develop and refine their teaching skills through a series of sequential experiences beginning with video-based observations of classroom instruction and participation in simulated classroom environments. Observations prepare candidates for an authentic, collaborative pre-clinical teaching experiences in K-12 settings. Clinical experiences culminate with supervised demonstration teaching in a real classroom. Students enter this program with a significant background in mathematics and then proceed through study in the Foundations of Teaching, Instructional Planning and Presentation, Mathematics Education, video-based classroom observation, Pre-Clinical Experiences, Demonstration Teaching, and Research Fundamentals.*

CCN	Course Number	Course Description	CUs	Term
EDUC 5053	D166	Foundations of Education	2	1
EDUC 5074	D307	Educational Psychology and Human Development of Children and Adolescents	4	1
EDUC 5055	D168	Schools as Communities of Care	2	1
EDUC 5056	D169	Essential Practices for Supporting Diverse Learners	3	2
EDUC 5057	D170	Creating and Managing Engaging Learning Environments	2	2
EDUC 5058	D171	Curriculum, Instruction, and Assessment	2	2
EDUC 5059	D172	Assessing Student Learning	2	2
EDUC 5060	D173	Using Educational Technology for Teaching and Learning	2	3
EDUC 5043	C966	Teaching in the Middle School	2	3
EDUC 6320	OPT2	Mathematics Learning and Teaching	2	3
EDUC 5317	D163	Secondary Reading Instruction and Interventions	2	3
EDUC 5316	D162	Secondary Disciplinary Literacy	2	4
EDUC 5101	C880	Algebra for Secondary Mathematics Teaching	2	4
EDUC 6310	OOT2	Mathematics History and Technology	2	4
EDUC 5303	C931	Preclinical Experiences in Mathematics	2	4
EDUC 6965	D134	Supervised Demonstration Teaching in Mathematics, Observations 1 and 2	2	5
EDUC 6966	D135	Supervised Demonstration Teaching in Mathematics, Observation 3 and Midterm	2	5
EDUC 6967	D136	Supervised Demonstration Teaching in Mathematics, Observations 4 and 5	2	5
EDUC 6968	D137	Supervised Demonstration Teaching in Mathematics, Observation 6 and Final	2	5
EDUC 6902	C914	Teacher Performance Assessment in Mathematics Education	1	5
EDUC 5255	C347	Professional Portfolio	1	5
EDUC 5253	C339	Cohort Seminar	1	5
<b>Total CUs: 44</b>				

## Master of Arts in Teaching, Mathematics Education (Secondary)

*The Master of Arts in Teaching, Mathematics Education (Secondary) is a competency-based degree program that prepares students at the graduate level both to be licensed to teach mathematics in a secondary setting and to develop significant skills in mathematics curriculum development, design, and evaluation. All work in this degree program is online with the exception of the Demonstration Teaching and in-classroom field experience components, which prepare teacher candidates for the classroom. Candidates develop and refine their teaching skills through a series of sequential experiences beginning with video-based observations of classroom instruction and participation in simulated classroom environments. Observations prepare candidates for an authentic, collaborative pre-clinical teaching experiences in K-12 settings. Clinical experiences culminate with supervised demonstration teaching in a real classroom. Students enter this program with a significant background in mathematics and then proceed through study in the Foundations of Teaching, Instructional Planning and Presentation, Mathematics Education, video-based classroom observation, Pre-Clinical Experiences, Demonstration Teaching and Research Fundamentals.*

CCN	Course Number	Course Description	CUs	Term
EDUC 5053	D166	Foundations of Education	2	1
EDUC 5074	D307	Educational Psychology and Human Development of Children and Adolescents	4	1
EDUC 5055	D168	Schools as Communities of Care	2	1
EDUC 5056	D169	Essential Practices for Supporting Diverse Learners	3	2
EDUC 5057	D170	Creating and Managing Engaging Learning Environments	2	2
EDUC 5058	D171	Curriculum, Instruction, and Assessment	2	2
EDUC 5059	D172	Assessing Student Learning	2	2
EDUC 5060	D173	Using Educational Technology for Teaching and Learning	2	3
EDUC 6320	OPT2	Mathematics Learning and Teaching	2	3
EDUC 5317	D163	Secondary Reading Instruction and Interventions	2	3
EDUC 5316	D162	Secondary Disciplinary Literacy	2	3
EDUC 5101	C880	Algebra for Secondary Mathematics Teaching	2	4
EDUC 5102	C882	Geometry for Secondary Mathematics Teaching	2	4
EDUC 5103	C884	Statistics and Probability for Secondary Mathematics Teaching	2	4
EDUC 6310	OOT2	Mathematics History and Technology	2	4
EDUC 5306	C933	Preclinical Experiences in Mathematics	2	5
EDUC 6965	D134	Supervised Demonstration Teaching in Mathematics, Observations 1 and 2	2	6
EDUC 6966	D135	Supervised Demonstration Teaching in Mathematics, Observation 3 and Midterm	2	6
EDUC 6967	D136	Supervised Demonstration Teaching in Mathematics, Observations 4 and 5	2	6
EDUC 6968	D137	Supervised Demonstration Teaching in Mathematics, Observation 6 and Final	2	6
EDUC 6902	C914	Teacher Performance Assessment in Mathematics Education	1	6
EDUC 5255	C347	Professional Portfolio	1	6
EDUC 5253	C339	Cohort Seminar	1	6
<b>Total CUs: 46</b>				

## Master of Arts in Teaching, Science Education (Secondary)

*The Master of Arts in Teaching (Secondary Science Education) is a competency-based degree program that prepares students at the graduate level to be licensed to teach secondary science and supports development of significant skills in science curriculum development, design, and evaluation. All work in this degree program is online with the exception of the Demonstration Teaching and in-classroom field experience components, which prepare teacher candidates for the classroom. Candidates develop and refine their teaching skills through a series of sequential experiences beginning with video-based observations of classroom instruction and participation in simulated classroom environments. Observations prepare candidates for an authentic, collaborative pre-clinical teaching experiences in K-12 settings. Clinical experiences culminate with supervised demonstration teaching in a real classroom. Students enter this program with a substantial background in science and proceed through coursework in Foundations of Teaching, Pedagogy, Science Education, Research, video-based classroom observation, Field Experiences, and Demonstration Teaching.*

CCN	Course Number	Course Description	CUs	Term
EDUC 5053	D166	Foundations of Education	2	1
EDUC 5074	D307	Educational Psychology and Human Development of Children and Adolescents	4	1
EDUC 5055	D168	Schools as Communities of Care	2	1
EDUC 5056	D169	Essential Practices for Supporting Diverse Learners	3	2
EDUC 5057	D170	Creating and Managing Engaging Learning Environments	2	2
EDUC 5058	D171	Curriculum, Instruction, and Assessment	2	2
EDUC 5059	D172	Assessing Student Learning	2	2
EDUC 5060	D173	Using Educational Technology for Teaching and Learning	2	3
EDUC 5317	D163	Secondary Reading Instruction and Interventions	2	3
EDUC 5316	D162	Secondary Disciplinary Literacy	2	3
EDUC 5409	C389	Science, Technology, and Society	2	3
EDUC 5041	C645	Science Methods	3	4
EDUC 5304	C938	Preclinical Experiences in Science	2	4
EDUC 6969	D138	Supervised Demonstration Teaching in Science, Observations 1 and 2	2	5
EDUC 6970	D139	Supervised Demonstration Teaching in Science, Observation 3 and Midterm	2	5
EDUC 6971	D140	Supervised Demonstration Teaching in Science, Observations 4 and 5	2	5
EDUC 6972	D141	Supervised Demonstration Teaching in Science, Observation 6 and Final	2	5
EDUC 6903	C904	Teacher Performance Assessment in Science	1	5
EDUC 5255	C347	Professional Portfolio	1	5
EDUC 5253	C339	Cohort Seminar	1	5
<b>Total CUs: 41</b>				



## Master of Arts in Teaching, Special Education

*MASTER OF ARTS IN TEACHING WITH A CONCENTRATION IN SPECIAL EDUCATION is a competency-based program that enables teacher candidates to earn a Master of Arts degree with a concentration in Special Education, Mild to Moderate disabilities which will lead to an initial licensure in Special Education (K-12) teaching certificate. The program will be completed online except for preclinical experiences, classroom clinical components, and student teaching. This program will involve an intensive, fast-paced education in fundamental issues, methodology, knowledge and skills for special education teachers. With core courses in learning theory and behavior management, candidates will study educational assessment and intervention while developing skills in building strategies for successful, inclusive classrooms. Candidates develop and refine their skills through a series of sequential experiences beginning with video-based observations of classroom instruction. The culminating experience is full-time student teaching with a mentor teacher under the supervision of WGU's clinical experience team in two special education settings at the K-6 and 7-12 levels. Both placements will support the academic needs of students with mild-to-moderate disabilities. The Master of Arts in Special Education is a specifically designed program for the preparation of prospective teachers to work with students with mild to moderate disabilities in today's diverse inclusionary K-12 classrooms. With the successful completion of program expectations and required assessments in the major area of teaching, the candidate can seek an institutional recommendation for certification in special education.*

CCN	Course Number	Course Description	CUs	Term
EDUC 5074	D307	Educational Psychology and Human Development of Children and Adolescents	4	1
EDUC 5055	D168	Schools as Communities of Care	2	1
EDUC 5056	D169	Essential Practices for Supporting Diverse Learners	3	1
SPED 5290	D228	Special Education Practices: Professional, Ethical and Legal Guidelines	2	2
EDUC 5057	D170	Creating and Managing Engaging Learning Environments	2	2
EDUC 5058	D171	Curriculum, Instruction, and Assessment	2	2
SPED 5297	D237	Mathematics Methods and Instruction for Students with Mild/Moderate Exceptionalities	2	2
SPED 5291	D229	Management Strategies for Academic and Social Behavior	3	3
SPED 5292	D230	Assessment and Evaluation Procedures in Special Education	2	3
EDUC 6380	C380	Language Arts Instruction and Intervention	2	3
EDUC 6207	C910	Elementary Reading Methods and Interventions	2	3
EDUC 5317	D163	Secondary Reading Instruction and Interventions	2	4
SPED 5304	D244	Disciplinary Literacy	2	4
EDUC 5060	D173	Using Educational Technology for Teaching and Learning	2	4
SPED 5293	D231	Collaborative Techniques with Partners for Effective IEPs	2	4
SPED 5294	D232	Special Education Methods of Instruction and Intervention	2	5
SPED 5295	D233	Designing Instruction for Elementary Learners with Mild to Moderate Exceptionalities	2	5
SPED 5296	D234	Designing Instruction for Secondary Learners with Mild to Moderate Exceptionalities	2	5
SPED 5298	D238	Preclinical Experiences in Special Education	2	5
SPED 5299	D239	Supervised Demonstration Teaching in Special Education, Obs 1 and 2	2	6
SPED 5300	D240	Supervised Demonstration Teaching in Special Education, Obs 3 and Midterm	2	6

CCN	Course Number	Course Description	CUs	Term
SPED 5301	D241	Supervised Demonstration Teaching in Special Education, Obs 4 and 5	2	6
SPED 5302	D242	Supervised Demonstration Teaching in Special Education, Obs 6 and Final	2	6
SPED 5303	D243	Teacher Performance Assessment in Special Education	1	7
EDUC 5255	C347	Professional Portfolio	1	7
SPED 5305	D245	Cohort Seminar in Special Education	1	7
<b>Total CUs: 53</b>				

## Master of Science, Curriculum and Instruction

*The Master of Science in Curriculum and Instruction is a competency-based degree program designed for K-12 teachers who are interested in improving their teaching practice and leading innovation in teaching and learning. The program is built in alignment with the National Board Professional Teaching Standards and the National Education Association's Teacher Leadership Competencies. Intended to be practical and application-based, the program incorporates six pillars of curriculum and instruction: reflective practice, social-emotional learning, evidence-based practices, technology, leadership, and cultural competency. The competencies of this program focus on in-demand skills, preparing candidates for careers as instructional coaches, curriculum specialists, and distinguished teacher leaders.*

CCN	Course Number	Course Description	CUs	Term
EDUC 5062	D182	The Reflective Practitioner	3	1
EDUC 5063	D183	Designing Curriculum and Instruction I	3	1
EDUC 5061	D179	Data-Informed Practices	3	1
EDUC 6302	D187	Differentiated Instruction	3	2
EDUC 5064	D184	Standards-Based Assessment	3	2
EDUC 5065	D185	Designing Curriculum and Instruction II	3	2
EDUC 5066	D186	Learning as a Science	3	3
EDUC 6303	D188	The Collaborative Leader	3	3
EDUC 6300	D180	Educational Research	3	3
EDUC 6301	D181	MSCIN Capstone	5	4

**Total CUs: 32**

## Master of Science, Educational Leadership

*The Master of Science in Educational Leadership is a competency-based degree program that prepares qualified K-12 educators to become state-licensed school principals. The foundation of the program's philosophy is to create innovative instructional leaders for today's schools. The program is aligned to the NELP, SPA, and PSEL standards. The candidate learns contemporary theories while engaging in practices related to leading in 21st century schools, applying new learning at local practicum sites. Graduates of this program enter the field having demonstrated competencies in leadership practices and ethics, school law, exceptional child services, leading in inclusive schools with diverse populations, instructional leadership, human resource leadership, school financial management, systems and operations management, strategic planning, data literacy, and educational inquiry. The candidate is guided through the program by qualified program mentors, course instructors, and school leaders. The cumulative program activity consists of a capstone action research project that is conducted in the K-12 school setting.*

CCN	Course Number	Course Description	CUs	Term
EDUC 5288	D016	Leadership Foundations and Ethics	3	1
EDUC 5289	D017	School Law	3	1
EDUC 5292	D020	Cultural Competency and Social-Emotional Learning	3	1
EDUC 5291	D019	Data Literacy and Evidence-Based Practices	3	2
EDUC 5293	D021	Leadership of Curriculum Design and Instruction	3	2
EDUC 5290	D018	Leading Inclusive Schools	3	2
EDUC 5294	D022	People and Talent in Educational Leadership	3	3
EDUC 5295	D023	School Financial Leadership	3	3
EDUC 5298	D036	Practicum in Educational Leadership - Focus on Professional Practices	3	3
EDUC 5296	D034	Systems Management and School Operations	3	4
EDUC 5297	D035	Educational Inquiry	3	4
EDUC 5299	D037	Practicum in Educational Leadership - Focus on Instruction and Operations	3	4
EDUC 5300	D038	Educational Leadership Capstone	3	5
<b>Total CUs: 39</b>				

## Master of Science, Learning Experience Design and Educational Technology

*The Master of Science, Learning Experience Design and Educational Technology is a competency-based degree program designed for professionals looking to create experiences that enable learners to achieve desired outcomes in a human-centered, goal-oriented way. Intended to be practical and application-based, the program incorporates seven cross-cutting themes: Design Thinking; diversity, equity, and inclusion (DE&I); social and emotional learning (SEL); learning analytics; learning technology; Universal Design for Learning (UDL); and accessibility. The program offers two specialization options, which allow candidates to learn best practices for designing learning experiences for students in K-12 education or adult learners in higher education, corporate, government, or healthcare sectors. Candidates may also choose to complete both specializations. The competencies in this program measure in-demand skills, preparing candidates for careers as learning experience designers, workforce development specialists, instructional designers and technologists, e-learning designers and developers, learning and development leads, and other related roles.*

CCN	Course Number	Course Description	CUs	Term
LXD 5068	D291	Learning Experience Design Foundations I	3	1
LXD 5069	D292	Learning Experience Design Foundations II	3	1
LXD 5070	D293	Assessment and Learning Analytics	3	1
LXD 5071	D294	Learning Technology	3	2
LXD 5072	D295	Designing and Facilitating E-Learning Experiences for K–12 Students	3	2
LXD 5073	D296	Quality and Impact of K–12 E-Learning Solutions	3	2
LXD 6050	D297	Designing E-Learning Experiences for Adults	3	3
LXD 5051	D298	Quality and Impact of Adult E-Learning Solutions	3	3
LXD 6052	D299	Learning Experience Design Lab	3	3
LXD 6053	D300	Identifying Learner Needs and a Research Problem	3	4
LXD 6054	D301	Developing an E-Learning Solution and Research Methodology	3	4
LXD 6055	D302	Implementing and Evaluating E-Learning Solutions	5	4
<b>Total CUs: 38</b>				

## Master of Science, Learning Experience Design and Educational Technology

*The Master of Science, Learning Experience Design and Educational Technology is a competency-based degree program designed for professionals looking to create experiences that enable learners to achieve desired outcomes in a human-centered, goal-oriented way. Intended to be practical and application-based, the program incorporates seven cross-cutting themes: Design Thinking; diversity, equity, and inclusion (DE&I); social and emotional learning (SEL); learning analytics; learning technology; Universal Design for Learning (UDL); and accessibility. The program offers two specialization options, which allow candidates to learn best practices for designing learning experiences for students in K-12 education or adult learners in higher education, corporate, government, or healthcare sectors. Candidates may also choose to complete both specializations. The competencies in this program measure in-demand skills, preparing candidates for careers as learning experience designers, workforce development specialists, instructional designers and technologists, e-learning designers and developers, learning and development leads, and other related roles.*

CCN	Course Number	Course Description	CUs	Term
LXD 5068	D291	Learning Experience Design Foundations I	3	1
LXD 5069	D292	Learning Experience Design Foundations II	3	1
LXD 5070	D293	Assessment and Learning Analytics	3	1
LXD 5071	D294	Learning Technology	3	2
LXD 6050	D297	Designing E-Learning Experiences for Adults	3	2
LXD 5051	D298	Quality and Impact of Adult E-Learning Solutions	3	2
LXD 6052	D299	Learning Experience Design Lab	3	3
LXD 6053	D300	Identifying Learner Needs and a Research Problem	3	3
LXD 6054	D301	Developing an E-Learning Solution and Research Methodology	3	3
LXD 6055	D302	Implementing and Evaluating E-Learning Solutions	5	4

**Total CUs: 32**

## Master of Science, Learning Experience Design and Educational Technology

*The Master of Science, Learning Experience Design and Educational Technology is a competency-based degree program designed for professionals looking to create experiences that enable learners to achieve desired outcomes in a human-centered, goal-oriented way. Intended to be practical and application-based, the program incorporates seven cross-cutting themes: Design Thinking; diversity, equity, and inclusion (DE&I); social and emotional learning (SEL); learning analytics; learning technology; Universal Design for Learning (UDL); and accessibility. The program offers two specialization options, which allow candidates to learn best practices for designing learning experiences for students in K-12 education or adult learners in higher education, corporate, government, or healthcare sectors. Candidates may also choose to complete both specializations. The competencies in this program measure in-demand skills, preparing candidates for careers as learning experience designers, workforce development specialists, instructional designers and technologists, e-learning designers and developers, learning and development leads, and other related roles.*

CCN	Course Number	Course Description	CUs	Term
LXD 5068	D291	Learning Experience Design Foundations I	3	1
LXD 5069	D292	Learning Experience Design Foundations II	3	1
LXD 5070	D293	Assessment and Learning Analytics	3	1
LXD 5071	D294	Learning Technology	3	2
LXD 5072	D295	Designing and Facilitating E-Learning Experiences for K–12 Students	3	2
LXD 5073	D296	Quality and Impact of K–12 E-Learning Solutions	3	2
LXD 6052	D299	Learning Experience Design Lab	3	3
LXD 6053	D300	Identifying Learner Needs and a Research Problem	3	3
LXD 6054	D301	Developing an E-Learning Solution and Research Methodology	3	3
LXD 6055	D302	Implementing and Evaluating E-Learning Solutions	5	4
<b>Total CUs: 32</b>				

## Master of Arts, English Language Learning (PreK-12)

*The Master of Arts in English Language Learning (PreK-12) is a competency-based degree program that prepares already licensed teachers both to be licensed to teach in English Language Learning (ELL) settings and to develop significant skills in ELL curriculum development, design, and evaluation. All work in this degree program is online and includes ELL Content and Methodology, Research Fundamentals, and Instructional Design. All students complete a capstone project.*

CCN	Course Number	Course Description	CUs	Term
EDUC 5260	CUA1	Culture	3	1
EDUC 5261	LPA1	Language Production, Theory and Acquisition	4	1
EDUC 5262	SLO1	Theories of Second Language Acquisition and Grammar	3	1
EDUC 5264	ASA1	Assessment Theory and Practice	3	2
EDUC 5263	NNA1	Planning, Implementing, Managing Instruction	4	2
EDUC 5265	NMA1	Professional Role of the ELL Teacher	2	2
EDUC 6260	ELO1	Subject Specific Pedagogy: ELL	3	3
EDUC 5111	C224	Research Foundations	2	3
EDUC 5112	C225	Research Questions and Literature Review	2	3
EDUC 6261	FEA1	Field Experience for ELL	3	3
EDUC 6754	C360	Teacher Work Sample in English Language Learning	1	4
<b>Total CUs:</b>			<b>30</b>	



## Master of Education, Instructional Design

*The Master of Education degree is a competency-based program that prepares individuals to improve education and training results by effectively using technology to support teaching, learning, and performance improvement endeavors. The principal competencies of this program area focus on knowledge, skills, and abilities in instructional design, technology integration, measurement and evaluation, and research fundamentals.*

CCN	Course Number	Course Description	CUs	Term
EDUC 5270	IDC1	Foundations of Instructional Design	2	1
EDUC 5271	JNT2	Instructional Design Analysis	2	1
EDUC 5272	JOT2	Issues in Instructional Design	2	1
GRAD 5273	JPT2	Instructional Design Production	2	1
EDUC 3252	MEC1	Foundations of Measurement and Evaluation	2	2
EDUC 6723	JRT2	Evaluation Methodology and Instrumentation	2	2
EDUC 6724	JST2	Evaluation Process and Recommendation	2	2
EDUC 6722	JQT2	Issues in Measurement and Evaluation	2	2
EDUC 5111	C224	Research Foundations	2	3
EDUC 5112	C225	Research Questions and Literature Review	2	3
EDUC 5113	C226	Research Design and Analysis	2	3
EDUC 5114	C227	Research Proposals	2	3
EDUC 6030	C636	MED, Instructional Design Capstone	6	4
			<b>Total CUs: 30</b>	

## Master of Education, Learning and Technology

*The Master of Education degree is a competency-based program that prepares individuals to improve education and training results by effectively using technology to support teaching, learning, and performance improvement endeavors. The principal competencies of this program area focus on knowledge, skills, and abilities in instructional design, technology integration, and research fundamentals.*

CCN	Course Number	Course Description	CUs	Term
EDUC 5270	IDC1	Foundations of Instructional Design	2	1
EDUC 5271	JNT2	Instructional Design Analysis	2	1
EDUC 5272	JOT2	Issues in Instructional Design	2	1
GRAD 5273	JPT2	Instructional Design Production	2	1
EDUC 6726	TDT1	Technology Design Portfolio	2	2
EDUC 6727	TET1	Issues in Technology Integration	2	2
EDUC 6725	TAT2	Technology Production	4	2
EDUC 5111	C224	Research Foundations	2	3
EDUC 5112	C225	Research Questions and Literature Review	2	3
EDUC 5113	C226	Research Design and Analysis	2	3
EDUC 5114	C227	Research Proposals	2	3
EDUC 6021	C626	MED, Learning and Technology Capstone	6	4
<b>Total CUs: 30</b>				

## Master of Arts, Mathematics Education (K-6)

*The Master of Arts in Mathematics Education (K-6) is a competency-based degree program that prepares already licensed teachers both to teach mathematics in grades K - 6 and to develop significant skills in mathematics curriculum development, design, and evaluation. All work in this degree program is online, and includes Mathematics Content and Research Fundamentals. All students complete a Capstone Project.*

CCN	Course Number	Course Description	CUs	Term
MATH 5210	AOA2	Number Sense and Functions	4	1
MATH 5220	AUA2	Graphing, Proportional Reasoning and Equations/Inequalities	4	1
MATH 5230	AVA2	Geometry and Statistics	4	2
EDUC 6836	MFT2	Mathematics (K-6) Portfolio Oral Defense	2	2
MATH 5710	QTT2	Finite Mathematics	2	2
EDUC 5111	C224	Research Foundations	2	3
EDUC 5112	C225	Research Questions and Literature Review	2	3
EDUC 5113	C226	Research Design and Analysis	2	3
EDUC 5114	C227	Research Proposals	2	3
EDUC 6029	C635	MA, Mathematics Education (K-6) Capstone	6	4
			<b>Total CUs: 30</b>	

## Master of Arts in Mathematics Education (Middle Grades)

*The Master of Arts in Mathematics Education (Middle Grades) is a competency-based degree program that prepares already licensed teachers both to be licensed to teach mathematics in middle grades and to develop significant skills in mathematics curriculum development, design, and evaluation. All work in this degree program is online and includes Mathematics Content, Mathematics Education and Research Fundamentals. All students complete a culminating Teacher Work Sample.*

CCN	Course Number	Course Description	CUs	Term
MATH 5015	C912	College Algebra	3	1
MATH 5710	QTT2	Finite Mathematics	2	1
MATH 6321	C647	Trigonometry and Precalculus	2	1
EDUC 6320	OPT2	Mathematics Learning and Teaching	2	1
MATH 5030	C992	College Geometry	2	2
EDUC 5043	C966	Teaching in the Middle School	2	2
MATH 5510	TOC2	Probability and Statistics I	2	2
MATH 6711	C613	Middle School Mathematics: Content Knowledge	1	2
MATH 5410	QJT2	Calculus I	2	2
EDUC 5101	C880	Algebra for Secondary Mathematics Teaching	2	3
EDUC 6310	OOT2	Mathematics History and Technology	2	3
EDUC 5111	C224	Research Foundations	2	3
EDUC 5112	C225	Research Questions and Literature Review	2	3
EDUC 6753	C887	MA, Mathematics Education (5-9) Teacher Performance Assessment	6	4
<b>Total CUs: 32</b>				

## Master of Arts in Mathematics Education (Secondary)

*The Master of Arts in Mathematics Education (Secondary) is a competency-based degree program that prepares already licensed teachers both to be licensed to teach mathematics in middle grades and to develop significant skills in mathematics curriculum development, design, and evaluation. All work in this degree program is online and includes Middle School Mathematics Content and Mathematics Education. All students complete a culminating Teacher Work Sample.*

CCN	Course Number	Course Description	CUs	Term
MATH 6321	C647	Trigonometry and Precalculus	2	1
MATH 5030	C992	College Geometry	2	1
MATH 5406	C363	Calculus I	2	1
EDUC 6320	OPT2	Mathematics Learning and Teaching	2	1
MATH 5420	CQC2	Calculus II	2	2
MATH 5510	TOC2	Probability and Statistics I	2	2
MATH 5520	TQC2	Probability and Statistics II	2	2
EDUC 5101	C880	Algebra for Secondary Mathematics Teaching	2	2
EDUC 5102	C882	Geometry for Secondary Mathematics Teaching	2	3
EDUC 5103	C884	Statistics and Probability for Secondary Mathematics Teaching	2	3
EDUC 6310	OOT2	Mathematics History and Technology	2	3
MATH 6331	C612	Mathematics: Content Knowledge	1	3
MATH 5100	C878	Mathematical Modeling and Applications	2	3
MATH 6311	C657	Calculus III	2	4
MATH 6310	RKT2	Linear Algebra	2	4
MATH 6320	QDT2	Abstract Algebra	2	4
MATH 5104	C886	Advanced Calculus	2	4
EDUC 6752	C874	MA, Mathematics Education (5-12) Teacher Performance Assessment	6	5
<b>Total CUs: 39</b>				

## Master of Arts Science Education (Middle Grades)

*The Master of Arts Science Education (Middle Grades) is a competency-based degree program that prepares already licensed teachers for an endorsement in middle level general science and provides the opportunity to develop skills in science curriculum development, design, and evaluation. All work in this degree program is online and includes General Science Content, Biology Content, Geosciences Content, and Science Education courses. All students complete a culminating Teacher Performance Assessment.*

CCN	Course Number	Course Description	CUs	Term
SCIE 5408	C670	Concepts in Science	1	1
SCIE 5020	C908	Integrated Physical Sciences	2	1
BIO 5111	C907	Introduction to Biology	2	1
CHEM 5107	C833	Chemistry with Lab	3	1
BIO 5105	C653	Heredity and Genetics	2	2
EDUC 5409	C389	Science, Technology, and Society	2	2
PHYS 5100	RNT2	General Physics	3	2
GEOS 5104	C895	Astronomy	2	2
GEOS 5102	C891	Ecology and Environmental Science	2	3
GEOS 5513	C926	Earth: Inside and Out	3	3
SCIE 6405	C616	Middle School Science: Content Knowledge	1	3
EDUC 5043	C966	Teaching in the Middle School	2	3
EDUC 5048	C975	Science Methods—Middle Grades General Science	3	4
EDUC 6264	C871	MA, Science Education Teacher Performance Assessment	6	4
<b>Total CUs: 34</b>				

## Master of Arts Science Education (Secondary Biological Science)

*The Master of Arts in Science Education (Secondary Biological Science) is a competency-based degree program that prepares already licensed teachers for an endorsement in secondary biology and provides the opportunity to develop skills in science curriculum development, design, and evaluation. All work in this degree program is online and includes General Science Content, Biology Content, and Science Education courses. All students complete a culminating Teacher Performance Assessment.*

CCN	Course Number	Course Description	CUs	Term
SCIE 5408	C670	Concepts in Science	1	1
BIO 5111	C907	Introduction to Biology	2	1
BIO 5120	C870	Human Anatomy and Physiology	3	1
CHEM 5107	C833	Chemistry with Lab	3	1
BIO 5106	C889	Molecular and Cellular Biology	3	2
BIO 5105	C653	Heredity and Genetics	2	2
EDUC 5409	C389	Science, Technology, and Society	2	2
BIO 5101	C655	Zoology	2	2
GEOS 5102	C891	Ecology and Environmental Science	2	3
BIO 5247	C737	Evolution	3	3
BIO 6405	C614	Biology: Content Knowledge	1	3
EDUC 5044	C976	Science Methods—Secondary Biology	3	3
EDUC 6264	C871	MA, Science Education Teacher Performance Assessment	6	4
<b>Total CUs: 33</b>				

## Master of Arts Science Education (Secondary Chemistry)

*The Master of Arts Science Education (Secondary Chemistry) is a competency-based degree program that prepares already licensed teachers for an endorsement in secondary chemistry and provides the opportunity to develop skills in science curriculum development, design, and evaluation. All work in this degree program is online and includes Mathematics Content, General Science Content, Chemistry Content, and Science Education courses. All students complete a culminating Teacher Performance Assessment.*

CCN	Course Number	Course Description	CUs	Term
SCIE 5408	C670	Concepts in Science	1	1
SCIE 5020	C908	Integrated Physical Sciences	2	1
CHEM 5409	C672	General Chemistry I with Lab	3	1
CHEM 5410	C673	General Chemistry II with Lab	3	1
MATH 5350	RXT2	Precalculus and Calculus	2	2
CHEM 5310	BVT2	Physical Chemistry	2	2
CHEM 5300	BWT2	Inorganic Chemistry	2	2
EDUC 5409	C389	Science, Technology, and Society	2	2
CHEM 5250	AIT2	Organic Chemistry	2	3
SCIE 5501	C625	Biochemistry	2	3
EDUC 5512	C267	Climate Change	3	3
CHEM 6405	C617	Chemistry: Content Knowledge	1	3
EDUC 5045	C977	Science Methods—Secondary Chemistry	3	4
EDUC 6264	C871	MA, Science Education Teacher Performance Assessment	6	4
<b>Total CUs: 34</b>				



## Master of Arts Science Education (Secondary Earth Science)

*The Master of Arts in Science Education (Secondary Earth Science) is a competency-based degree program that prepares already licensed teachers for an endorsement in secondary earth and space science and provides the opportunity to develop skills in science curriculum development, design, and evaluation. All work in this degree program is online and includes Mathematics Content, General Science Content, Earth Sciences Content, and Science Education courses. All students complete a culminating Teacher Performance Assessment.*

CCN	Course Number	Course Description	CUs	Term
SCIE 5408	C670	Concepts in Science	1	1
CHEM 5107	C833	Chemistry with Lab	3	1
PHYS 5100	RNT2	General Physics	3	1
GEOS 5101	C650	Geology I: Physical	3	1
EDUC 5409	C389	Science, Technology, and Society	2	2
GEOS 5103	C893	Geology II: Earth Systems	3	2
GEOS 5102	C891	Ecology and Environmental Science	2	2
GEOS 5104	C895	Astronomy	2	2
EDUC 5511	C266	The Ocean Systems	3	3
GEOS 6405	C618	Earth Science: Content Knowledge	1	3
EDUC 5046	C978	Science Methods—Secondary Earth Science	3	3
EDUC 6264	C871	MA, Science Education Teacher Performance Assessment	6	3
<b>Total CUs: 32</b>				

## Master of Arts Science Education (Secondary Physics)

*The Master of Arts in Science Education (Secondary Physics) is a competency-based degree program that prepares already licensed teachers for an endorsement in secondary physics and provides the opportunity to develop skills in science curriculum development, design, and evaluation. All work in this degree program is online and includes Mathematics Content, General Science Content, Physics Content, and Science Education courses. All students complete a culminating Teacher Performance Assessment.*

CCN	Course Number	Course Description	CUs	Term
SCIE 5408	C670	Concepts in Science	1	1
SCIE 5020	C908	Integrated Physical Sciences	2	1
MATH 5350	RXT2	Precalculus and Calculus	2	1
PHYS 5101	C659	Conceptual Physics	3	1
PHYS 5150	BYT2	Physics: Mechanics	2	2
CHEM 5107	C833	Chemistry with Lab	3	2
PHYS 5310	BZT2	Physics: Waves and Optics	2	2
PHYS 5320	DPT2	Physics: Electricity and Magnetism	2	2
EDUC 5409	C389	Science, Technology, and Society	2	3
PHYS 5248	C739	Space, Time and Motion	3	3
PHYS 6405	C615	Physics: Content Knowledge	1	3
EDUC 5052	C979	Science Methods—Secondary Physics	3	3
EDUC 6264	C871	MA, Science Education Teacher Performance Assessment	6	4
<b>Total CUs: 32</b>				

## Endorsement Preparation Program, English Language Learning (PreK-12)

*The English Language Learning (ELL) Endorsement Preparation Program is a competency-based program that prepares already licensed teachers to be licensed to teach in English Language Learning (ELL) settings. All work in this degree program is online and includes ELL content and methodology.*

CCN	Course Number	Course Description	CUs	Term
EDUC 5260	CUA1	Culture	3	1
EDUC 5261	LPA1	Language Production, Theory and Acquisition	4	1
EDUC 5262	SLO1	Theories of Second Language Acquisition and Grammar	3	1
EDUC 5264	ASA1	Assessment Theory and Practice	3	2
EDUC 5263	NNA1	Planning, Implementing, Managing Instruction	4	2
EDUC 5265	NMA1	Professional Role of the ELL Teacher	2	2
EDUC 6260	ELO1	Subject Specific Pedagogy: ELL	3	3
EDUC 6261	FEA1	Field Experience for ELL	3	3
Total CUs: 25				

# Courses

<https://cm.wgu.edu/t5/WGU-Student-Policy-Handbook/Course-Descriptions-and-Course-of-Study/ta-p/38923>

**AFT2 - Accreditation Audit** - Accreditation Audit covers regulatory audits, resource assessment, quality improvement, patient care improvement, organization plans, risk management, effective interaction, and compliance as evidenced during an accreditation audit.

**AIT2 - Organic Chemistry** - Organic Chemistry focuses on the study of compounds that contain carbon, much of which is learning how to organize and group organic compounds in order to predict their structure, behavior, and reactivity based on common bonds found within an organic compound.

**AMT2 - Service Line Development** - Service Line Development will address how to critically assess the competitive marketplace as well as the internal environment to establish a new line of business. Topics include needs assessment, international healthcare trends, service line management, revenue analysis, costs and productivity, communication, negotiation, health policy, health legislation, and facilities management, which are variables in the evaluation process.

**AOA2 - Number Sense and Functions** - Number Sense and Functions is a performance-based assessment that evaluates a student's portfolio of work. This portfolio includes the student's responses to various prompts and an original lesson plan for each of the mathematics modules such as number sense, patterns and functions, integers and order of operations, fractions, decimals, and percentages.

**ASA1 - Assessment Theory and Practice** - Assessment Theory and Practice focuses on issues central to assessment in the ELL environment, including high-stakes testing, standardized tests, placement and exit assessment, formative and summative assessments, and making adaptations in assessments to meet the needs of ELL students.

**AUA2 - Graphing, Proportional Reasoning and Equations/Inequalities** - Graphing, Proportional Reasoning and Equations/Inequalities is a performance-based assessment that evaluates a student's portfolio of work. This portfolio includes the student's responses to various prompts and an original lesson plan for each of the mathematics modules such as coordinate pairs and graphing, ratios and proportional reasoning, and equations and inequalities.

**AVA2 - Geometry and Statistics** - Geometry and Statistics is a performance-based assessment that evaluates a student's portfolio of work. This portfolio includes the student's responses to various prompts and an original lesson plan for each of the mathematics modules such as geometry and measurement, statistics and probability.

**BVT1 - Physical Chemistry** - Physical Chemistry introduces the study of chemistry in terms of physical concepts. It includes thermodynamics, reaction kinetics, chemical equilibrium, electrochemistry, and matter.

**BVT2 - Physical Chemistry** - Physical Chemistry introduces the study of chemistry in terms of physical concepts. It includes thermodynamics, reaction kinetics, chemical equilibrium, electrochemistry, and matter.

**BWT1 - Inorganic Chemistry** - Inorganic Chemistry introduces the concepts of inorganic chemistry—the branch of chemistry that studies the properties and behavior of any compound avoiding a specific focus on carbon. It will focus on the three most important areas of inorganic chemistry: the structure, properties, and reactions of various groups of inorganic compounds.

**BWT2 - Inorganic Chemistry** - Inorganic Chemistry introduces the concepts of inorganic chemistry—the branch of chemistry that studies the properties and behavior of any compound, avoiding a specific focus on carbon. It will focus on the three most important areas of inorganic chemistry: the structure, properties, and reactions of various groups of inorganic compounds.

**BYT1 - Physics: Mechanics** - Physics: Mechanics introduces foundational concepts of mechanics, including motion, gravitation, work and energy, momentum and collisions, rotational motion, static equilibrium, fluids, and oscillation.

**BYT2 - Physics: Mechanics** - Physics: Mechanics introduces foundational concepts of mechanics, including motion, gravitation, work and energy, momentum and collisions, rotational motion, static equilibrium, fluids, and oscillation.

**BZT1 - Physics: Waves and Optics** - Physics: Waves and Optics addresses foundational topics in the physics of waves and optics. Students will study basic wave motion and then apply that knowledge to the study of sound and light with even further applications to optical instruments. They will also learn about thermodynamics and theories governing the physics of gases.

**BZT2 - Physics: Waves and Optics** - Physics: Waves and Optics addresses foundational topics in the physics of waves and optics. Students will study basic wave motion and then apply that knowledge to the study of sound and light with even further applications to optical instruments. This course will also cover thermodynamics and theories governing the physics of gases.

**C100 - Introduction to Humanities** - This introductory humanities course allows candidates to practice essential writing, communication, and critical thinking skills necessary to engage in civic and professional interactions as mature, informed adults. Whether through studying literature, visual and performing arts, or philosophy, all humanities courses stress the need to form reasoned, analytical, and articulate responses to cultural and creative works. Studying a wide variety of creative works allows candidates to more effectively enter the global community with a broad and enlightened perspective.

**C104 - Elementary Social Studies Methods** - Elementary Social Studies Methods helps students learn how to implement effective social studies instruction in the elementary classroom. Topics include social studies themes, promoting cultural diversity, integrated social studies across the curriculum, social studies learning environments, assessing social studies understanding, differentiated instruction for social studies, technology for social studies instruction, and standards-based social studies instruction. This course is designed to be taken after successful completion of Introduction to Curriculum, Instruction, and Assessment OR Introduction to Instructional Planning and Presentation AND Instructional Planning and Presentation in Elementary or Special Education.

**C105 - Elementary Visual and Performing Arts Methods** - Elementary Visual and Performing Arts Methods helps students learn how to implement effective visual and performing arts instruction in the elementary classroom. Topics include integrating arts across the curriculum, music education, visual arts, dance and movement, dramatic arts, differentiating instruction for visual and performing arts, and promoting cultural diversity through visual and performing arts instruction. This course is designed to be taken after successful completion of Introduction to Curriculum, Instruction, and Assessment OR Introduction to Instructional Planning and Presentation AND Instructional Planning and Presentation in Elementary or Special Education.

**C107 - Anatomy and Physiology I** - Anatomy and Physiology I examines the structures and functions of the human body. The course is designed to provide students with a thorough understanding of human anatomy and physiology, including the interdependent operational relationships among them. Students will use a dissection lab to study organ systems of the human body in their healthy state, including the digestive, skeletal, sensory, respiratory, reproductive, nervous, muscular, cardiovascular, lymphatic, integumentary, endocrine, and renal systems. By examining these organ systems in a healthy state, healthcare professionals are more adept at recognizing when something is functioning abnormally, which is a key component to providing effective care to patients. For nursing students, this is the first of two anatomy and physiology courses within the program of study. This course has no prerequisites.

**C108 - Elementary Science Methods** - Elementary Science Methods helps students learn how to implement effective science instruction in the elementary classroom. Topics include processes of science, science inquiry, science learning environments, instructional strategies for science, differentiating instruction for science, assessing science understanding, technology for science instruction, standards-based science instruction, integrating science across the curriculum, and science beyond the classroom. This course is designed to be taken after successful completion of Introduction to Curriculum, Instruction, and Assessment OR Introduction to Instructional Planning and Presentation AND Instructional Planning and Presentation in Elementary or Special Education.

**C109 - Elementary Mathematics Methods** - Elementary Mathematics Methods helps students learn how to implement effective math instruction in the elementary classroom. Topics include differentiated math instruction, mathematical communication, mathematical tools for instruction, assessing math understanding, integrating math across the curriculum, critical thinking development, standards-based mathematics instruction, and mathematical models and representation. This course is designed to be taken after successful completion of Introduction to Curriculum, Instruction, and Assessment OR Introduction to Instructional Planning and Presentation AND Instructional Planning and Presentation in Elementary or Special Education.

**C121 - Survey of United States History** - This course presents a broad and thematic survey of U.S. history from European colonization to the mid-twentieth century. Students will explore how historical events and major themes in American history have affected a diverse population.

**C165 - Integrated Physical Sciences** - This course provides students with an overview of the basic principles and unifying ideas of the physical sciences: physics, chemistry, and earth sciences. Course materials focus on scientific reasoning and practical, everyday applications of physical science concepts to help students integrate conceptual knowledge with practical skills.

**C168 - Critical Thinking and Logic** - Reasoning and Problem Solving helps candidates internalize a systematic process for exploring issues that takes them beyond an unexamined point of view and encourages them to become more self-aware thinkers by applying principles of problem identification and clarification, planning and information gathering, identifying assumptions and values, analyzing and interpreting information and data, reaching well-founded conclusions, and identifying the role of critical thinking in disciplines and professions.

**C170 - Data Management - Applications** - This course covers conceptual data modeling and provides an introduction to MySQL. Students will learn how to create simple to complex SELECT queries including subqueries and joins, and students will also learn how to use SQL to update and delete data. Topics covered in this course include exposure to MySQL; developing physical schemas; creating and modifying databases, tables, views, foreign keys/primary keys (FKs/PKs), and indexes; populating tables; and developing simple Select-From-Where (SFW) queries to complex 3+ table join queries.

**C172 - Network and Security - Foundations** - Network and Security - Foundations introduces students to the components of a computer network and the concept and role of communication protocols. The course covers widely used categorical classifications of networks (e.g., LAN, MAN, WAN, WLAN, PAN, SAN, CAN, and VPN) as well as network topologies, physical devices, and layered abstraction. The course also introduces students to basic concepts of security, covering vulnerabilities of networks and mitigation techniques, security of physical media, and security policies and procedures. This course has no prerequisites.

**C173 - Scripting and Programming - Foundations** - Scripting and Programming - Foundations provides an introduction to programming, covering basic elements such as variables, data types, flow control, and design concepts. The course is language-agnostic in nature, ending in a survey of languages and introduces the distinction between interpreted and compiled languages. There are no prerequisites for this course.

**C175 - Data Management - Foundations** - This course introduces students to the concepts and terminology used in the field of data management. Students will be introduced to Structured Query Language (SQL) and will learn how to use Data Definition Language (DDL) and Data Manipulation Language (DML) commands to define, retrieve, and manipulate data. This course covers differentiations of data—structured vs. unstructured and quasi-structured (relational, hierarchical, XML, textual, visual, etc); it also covers aspects of data management (quality, policy, storage methodologies). Foundational concepts of data security are included.

**C176 - Business of IT - Project Management** - In this course, students will build on industry standard concepts, techniques, and processes to develop a comprehensive foundation for project management activities. During a project's life cycle, students will develop the critical skills necessary to initiate, plan, execute, monitor, control, and close a project. Students will apply best practices in areas such as scope management, resource allocation, project planning, project scheduling, quality control, risk management, performance measurement, and project reporting. This course prepares students for the following certification exam: CompTIA Project+.

**C178 - Network and Security - Applications** - Network and Security - Applications prepares students for the CompTIA Security+ certification exam. Successfully completing the course ensures the student will demonstrate the knowledge and skills required to install and configure systems to secure applications, networks, and devices; perform a threat analysis and respond with appropriate mitigation techniques; participate in risk mitigation activities; and operate with an awareness of applicable policies, laws, and regulations. The following course is a prerequisite: C480 Networks.

**C179 - Business of IT - Applications** - This course introduces IT students to information systems (IS). The course includes important topics related to the management of information systems (MIS), such as system development and business continuity. The course also provides an overview of management tools and issue tracking systems.

**C180 - Introduction to Psychology** - In this course, students will develop an understanding of psychology and how it helps them better understand others and themselves. Students will learn general theories about psychological development, the structure of the brain, and how psychologists study behavior. They will gain an understanding of both normal and disordered psychological behaviors, as well as general applications of the science of psychology in society (such as personality typing and counseling).

**C181 - Survey of United States Constitution and Government** - Ready to work on Constitution and Government? Please contact your program mentor to be moved to the correct course.

**C182 - Introduction to IT** - Introduction to IT examines information technology as a discipline and the various roles and functions of the IT department as business support. Students are presented with various IT disciplines including systems and services, network and security, scripting and programming, data management, and business of IT, with a survey of technologies in every area and how they relate to each other and to the business.

**C188 - Software Engineering** - This course introduces the concepts of software engineering to students who have completed the core courses in programming and project management. The principles build on previously acquired concepts, switching the emphasis from programming simple routines, to engineering robust and scalable software solutions. This course does not cover programming, but provides an overview of software engineering processes, and their challenging nature focusing on the need for a disciplined approach to software engineering. A generic process framework provides the groundwork for formal process models. Prescriptive process models such as the Waterfall Model and Agile Development are included. An introduction to the elements and phases of software engineering is included which explores requirements engineering, design concepts, and software quality.

**C190 - Introduction to Biology** - This course is a foundational introduction to the biological sciences. The overarching theories of life from biological research are explored as well as the fundamental concepts and principles of the study of living organisms and their interaction with the environment. Key concepts include how living organisms use and produce energy; how life grows, develops, and reproduces; how life responds to the environment to maintain internal stability; and how life evolves and adapts to the environment.

**C191 - Operating Systems for Programmers** - This course covers operating systems from the perspective of a programmer, including the placement of the operating system in the layered application development model. Primarily, OSs provide memory management, task scheduling, and CPU allocation. Secondly, OSs provide tools for file storage/access, permission control, event handling, network access, and cross-process interaction. OSs also provide tools for debugging problems within a single process or within groups of programs. There are no prerequisites for this course.

**C195 - Software II - Advanced Java Concepts** - Software II – Advanced Java Concepts refines object-oriented programming expertise and builds database and file server application development skills. You will learn about and put into action lambda expressions, collections, input/output, advanced error handling, and the newest features of Java 11 to develop software that meets business requirements. This course requires intermediate expertise in object-oriented programming and the Java language.

**C196 - Mobile Application Development** - This course introduces students to programming for mobile devices using a software development kit (SDK). Students with previous knowledge of programming will learn how to install and utilize a SDK, build a basic mobile application, build a mobile application using a graphical user interface (GUI), adapt applications to different mobile devices, save data, execute and debug mobile applications using emulators, and deploy a mobile application.

**C200 - Managing Organizations and Leading People** - This course covers principles of effective management and leadership that maximize organizational performance. The following topics are included: the role and functions of a manager, analysis of personal leadership styles, approaches to self-awareness and self-assessment, and application of foundational leadership and management skills.

**C201 - Business Acumen** - The Business Acumen course introduces you to the operation of the business enterprise and the role of management in directing the activities of the business. You will examine the roles of management in the context of business functions such as marketing, operations, accounting, and finance.

**C202 - Managing Human Capital** - This course focuses on strategies and tools that managers use to maximize employee contribution and create organizational excellence. You will learn talent management strategies to motivate and develop employees as well as best practices to manage performance for added value.

**C203 - Becoming an Effective Leader** - This course explores major theories and approaches to leadership, leadership style evaluation, and personal leadership development while focusing on motivation, development, and achievement of others. You will learn how to influence followers, manage organizational culture, and enhance your effectiveness as a leader.

**C204 - Management Communication** - This course prepares students for the communication challenges in organizations. Topics examined include theories and strategies of communication, persuasion, conflict management, and ethics that enhance communication to various audiences.

**C205 - Leading Teams** - This course helps students establish team objectives, align the team purpose with organizational goals, build credibility and trust, and develop the talents of individuals to enhance team performance.

**C206 - Ethical Leadership** - This course examines the ethical issues and dilemmas managers face. This course provides a framework for analysis of management-related ethical issues and decision-making action required for satisfactory resolution of these issues.

**C207 - Data-Driven Decision Making** - This course presents critical problem-solving methodologies, including field research and data collection methods that enhance organizational performance. Topics include quantitative analysis, statistical and quality tools. You will improve your ability to use data to make informed decisions.

**C208 - Change Management and Innovation** - This course provides an overview of change theories and innovation practices. This course will emphasize the role of leadership in influencing and managing change in response to challenges and opportunities facing organizations.

**C209 - Strategic Management** - This course focuses on models and practices of strategic management including developing and implementing both short- and long-term strategy and evaluating performance to achieve strategic goals and objectives.

**C210 - Management and Leadership Capstone** - This course is the culminating assessment of the MSML curriculum that provides an integrative experience with all competencies and assessment topics throughout the program. Students synthesize concepts from previously completed coursework and demonstrate an understanding of management and leadership development and practices.

**C211 - Global Economics for Managers** - This course examines how economic tools, techniques, and indicators can be used for solving organizational problems related to competitiveness, productivity, and growth. You will explore the management implications of a variety of economic concepts and effective strategies to make decisions within a global context.

**C212 - Marketing** - Marketing Fundamentals introduces students to principles of the marketing environment, social media, consumer behavior, marketing research, and market segmentation. Students will also explore marketing strategies that are related to products and services, distribution channels, promotions, sales, and pricing.

**C213 - Accounting for Decision Makers** - This course provides you with the accounting knowledge and skills to assess and manage a business. Topics include the accounting cycle, financial statements, taxes, and budgeting. This course will improve students' ability to understand reports and use accounting information to plan and make sound business decisions.

**C214 - Financial Management** - This course covers practical approaches to analysis and decision-making in the administration of corporate funds, including capital budgeting, working capital management, and cost of capital. Topics include financial planning, management of working capital, analysis of investment opportunities, sources of long-term financing, government regulations, and global influences. This course will improve students' ability to interpret financial statements and manage corporate finances.

**C215 - Operations Management** - This course focuses on the strategic importance of operations management to overall performance. This course also emphasizes principles of supply chain management relevant to a variety of business operations ranging from manufacturing goods to retail services. You will examine the various planning, control, and decision-making tools and techniques of the operations function.

**C216 - MBA Capstone** - MBA Capstone is the culminating course in the MBA program that provides an integrative experience with all competencies and assessment topics throughout the program. Students synthesize concepts from previously completed coursework and demonstrate an understanding of responsible practices for growing and running a business. This course promotes a meaningful connection between the academic work and career experience.

**C217 - Human Growth and Development Across the Lifespan** - This course introduces candidates to human development across the lifespan. This will include an introductory survey of cognitive, psychological, and physical growth. Candidates will gain an understanding of the emergence of personality, identity, gender and sexuality, social relationships, emotion, language, and moral development through life. This will include milestones such as education, achievement, work, dying, and death.

**C218 - MBA, Information Technology Management Capstone** - MBA Information Technology Management Capstone is the culminating course in the MBA ITM program that provides an integrative experience with all competencies and assessment topics throughout the program. Students synthesize concepts from previously completed coursework and demonstrate an understanding of responsible practices for growing and running a business. This course promotes a meaningful connection between the academic work and career experience.

**C219 - MBA, Healthcare Management Capstone** - MBA Healthcare Management Capstone is the culminating course in the MBA HCM program that provides an integrative experience with all competencies and assessment topics throughout the program. Students synthesize concepts from previously completed coursework and demonstrate an understanding of responsible practices for growing and running a business. This course promotes a meaningful connection between the academic work and career experience.

**C224 - Research Foundations** - The Research Foundations course focuses on the essential concepts in educational research, including quantitative, qualitative, mixed, and action research. This course also teaches students concepts about measurement and assessment, as well as strategies for obtaining warranted research results.

**C225 - Research Questions and Literature Review** - The Research Questions and Literature Reviews course focuses on how to conduct a thorough literature review that addresses and identifies important educational research topics, problems, and questions, and helps determine the appropriate kind of research and data needed to answer one's research questions and hypotheses. Research Foundations is a prerequisite for this course.

**C226 - Research Design and Analysis** - The Research Design and Analysis course focuses on applying strategies for effective design of empirical research studies. Particular emphasis is placed on selecting or constructing the design that will provide the most valid results, analyzing the kind of data that would be obtained, and making defensible interpretations and drawing appropriate conclusions based on the data. Research Questions and Literature Review is a prerequisite for this course.

**C227 - Research Proposals** - Research Proposals focuses on planning and writing a well-organized and complete research proposal. The relationship of the sections in a research proposal to the sections in a research report will be highlighted. Research Design and Analysis is a prerequisite for this course.

**C230 - Community Health and Population-Focused Nursing Clinical** - This course will assist students to become familiar with clinical aspects of health promotion and disease prevention, applicable to the community health nursing environment. Students will practice skills based on clinical priorities, methodology, and resources that positively influence the health of populations. Students will demonstrate critical thinking skills by applying principles of community health nursing in a variety of settings. Students will design, implement and evaluate a project in community health. Students will develop health promotion and disease prevention strategies for population groups.

**C232 - Introduction to Human Resource Management** - This course provides an introduction to the management of human resources, the function within an organization that focuses on recruitment, management, and direction for the people who work in the organization. Students will be introduced to topics such as strategic workforce planning and employment; compensation and benefits; training and development; employee and labor relations; and occupational health, safety, and security.

**C233 - Employment Law** - This course reviews the legal and regulatory framework surrounding employment, including recruitment, termination, and discrimination law. The course topics include employment-at-will, EEO, ADA, OSHA, and other laws affecting the workplace. This course covers how to analyze current trends and issues in employment law and apply this knowledge to manage risk effectively in the employment relationship.

**C234 - Workforce Planning: Recruitment and Selection** - This course focuses on building a highly skilled workforce by using effective strategies and tactics for recruiting, selecting, hiring, and retaining employees.

**C235 - Training and Development** - Training and Development focuses on the development of human capital (i.e., growing talent) by applying effective learning theories and practices for training and developing employees. The course will help develop essential skills for improving and empowering organizations through high-caliber training and development processes. There are no prerequisites.

**C236 - Compensation and Benefits** - Compensation and Benefits develops competence in the design and implementation of compensation and benefits systems in an organization. The total rewards perspective integrates tangible rewards (e.g., salary, bonuses) with employee benefits (e.g., health insurance, retirement plan) and intangible rewards (e.g., location, work environment). This perspective allows students to use all forms of rewards fairly and effectively to enable job satisfaction and organizational performance. There are no prerequisites.

**C237 - Taxation I** - This course focuses on the taxation of individuals. It provides an overview of income taxes of both individuals and business entities in order to enhance awareness of the complexities and sources of tax law and to measure and analyze the effect of various tax options. The course will introduce taxation of sole proprietorships. Students will learn principles of individual taxation and how to develop effective personal tax strategies for individuals. Students will also be introduced to tax research of complex taxation issues.

**C239 - Advanced Tax Concepts** - This course is designed to enhance awareness of the complexities and sources of tax law and to measure and analyze the effect of various tax options. This course provides an overview of income taxes on individuals, corporations, associations, and corporate distributions, while emphasizing the role of taxes in business decisions and business strategy. Also examined will be federal tax laws applicable to individuals and corporations (and shareholders), including tax research, tax compliance, and tax planning.

\*Retired

**C243 - Advanced Financial Accounting** - This course builds upon your accounting knowledge by focusing on advanced financial accounting topics such as consolidations, partnership accounting, and international accounting.

**C253 - Advanced Managerial Accounting** - This course introduces the complexity and functionality of managerial accounting systems within an organization. It covers the topics of product costing (including activity-based costing), decision-making (including capital budgeting), profitability analysis, budgeting, performance evaluation, and reporting related to managerial decision-making. This course provides the opportunity for a detailed study of how managerial accounting information supports the operational and strategic needs of an organization and how managers use accounting information for decision-making, planning, and controlling activities within organizations.

**C254 - Fraud and Forensic Accounting** - This course provides a framework for detecting and preventing financial statement fraud. Topics include the profession's focus and legislation of fraud, revenue- and inventory-related fraud, and liability, asset, and inadequate disclosure fraud.

**C255 - Introduction to Geography** - This course will discuss geographic concepts, places and regions, physical and human systems, and the environment.

**C263 - The Ocean Systems** - In this course, learners investigate the complex ocean system by looking at the way its components—atmosphere, biosphere, geosphere, and hydrosphere—interact. Specific topics include: origins of Earth's oceans and the early history of life; physical characteristics and geologic processes of the ocean floor; chemistry of the water molecule; energy flow between air and water, and how ocean surface currents and deep circulation patterns affect weather and climate; marine biology and why ecosystems are an integral part of the ocean system; the effects of human activity; and the role of professional educators in teaching about ocean systems.

**C264 - Climate Change** - This course explores the science of climate change. Students will learn how the climate system works; what factors cause climate to change across different time scales and how those factors interact; how climate has changed in the past; how scientists use models, observations, and theory to make predictions about future climate; and the possible consequences of climate change for our planet. The course explores evidence for changes in ocean temperature, sea level, and acidity due to global warming. Students will learn how climate change today is different from past climate cycles and how satellites and other technologies are revealing the global signals of a changing climate. Finally, the course looks at the connection between human activity and the current warming trend and considers some of the potential social, economic, and environmental consequences of climate change.

**C266 - The Ocean Systems** - This course investigates the complex ocean system by looking at the way its components—atmosphere, biosphere, geosphere, hydrosphere—interact. Specific topics include the origins of Earth's oceans and the early history of life; physical characteristics and geologic processes of the ocean floor; chemistry of the water molecule; energy flow between air and water and how ocean surface currents and deep circulation patterns affect weather and climate; marine biology and why ecosystems are an integral part of the ocean system; the effects of human activity; and the role of professional educators in teaching about ocean systems.

**C267 - Climate Change** - This course explores the science of climate change and covers how the climate system works; what factors cause climate to change across different time scales and how those factors interact; how climate has changed in the past; how scientists use models, observations, and theory to make predictions about future climate; and the possible consequences of climate change for our planet. The course explores evidence for changes in ocean temperature, sea level, and acidity due to global warming. It covers how climate change today is different from past climate cycles and how satellites and other technologies are revealing the global signals of a changing climate. Finally, the course looks at the connection between human activity and the current warming trend and considers some of the potential social, economic, and environmental consequences of climate change.

**C268 - Spreadsheets** - The Spreadsheets course will help students become proficient in using spreadsheets to analyze business problems. Students will demonstrate competency in spreadsheet development and analysis for business/accounting applications (e.g., using essential spreadsheet functions, formulas, charts, etc.)

**C273 - Introduction to Sociology** - This course teaches students to think like sociologists, or, in other words, to see and understand the hidden rules, or norms, by which people live, and how they free or restrain behavior. Students will learn about socializing institutions, such as schools and families, as well as workplace organizations and governments. Participants will also learn how people deviate from the rules by challenging norms and how such behavior may result in social change, either on a large scale or within small groups.

**C277 - Finite Mathematics** - Finite Mathematics covers the knowledge and skills necessary to apply discrete mathematics and properties of number systems to model and solve real-life problems. Topics include sets and operations; prime and composite numbers; GCD and LCM; order of operations; ordering numbers; mathematical systems including modular arithmetic, arithmetic and geometric sequences, ratio and proportion, subsets of real numbers, logic and truth tables, graphs, trees and networks, and permutation and combination. There are no prerequisites for this course.

**C278 - College Algebra** - This course provides further application and analysis of algebraic concepts and functions through mathematical modeling of real-world situations. Topics include: real numbers, algebraic expressions, equations and inequalities, graphs and functions, polynomial and rational functions, exponential and logarithmic functions, and systems of linear equations.

**C280 - Probability and Statistics I** - Probability and Statistics I covers the knowledge and skills necessary to apply basic probability, descriptive statistics, and statistical reasoning, and to use appropriate technology to model and solve real-life problems. It provides an introduction to the science of collecting, processing, analyzing, and interpreting data, including representations, constructions and interpretation of graphical displays (e.g., box plots, histograms, cumulative frequency plots, scatter plots). Topics include creating and interpreting numerical summaries and visual displays of data; regression lines and correlation; evaluating sampling methods and their effect on possible conclusions; designing observational studies, controlled experiments, and surveys; and determining probabilities using simulations, diagrams, and probability rules. Candidates should have completed a course in College Algebra before engaging in this course.

**C282 - Calculus I** - Calculus I is the study of rates of change in the slope of a curve and covers the knowledge and skills necessary to use differential calculus of one variable and technology to solve basic problems. Topics include graphing functions and finding their domains and ranges; limits, continuity, differentiability, visual, analytical, and conceptual approaches to the definition of the derivative; the power, chain, and sum rules applied to polynomial and exponential functions, position and velocity; and L'Hopital's Rule. Precalculus is a prerequisite for this course.

**C283 - Calculus II** - Calculus II is the study of the accumulation of change in the area under a curve. It covers the knowledge and skills necessary to apply integral calculus of one variable and to use appropriate technology to model and solve real-life problems. Topics include antiderivatives; indefinite integrals; the substitution rule; Riemann sums; the Fundamental Theorem of Calculus; definite integrals; acceleration, velocity, position, and initial values; integration by parts; integration by trigonometric substitution; integration by partial fractions; numerical integration; improper integration; area between curves; volumes and surface areas of revolution; arc length; work; center of mass; separable differential equations; direction fields; growth and decay problems; and sequences. Calculus I is a prerequisite for this course.

**C284 - Mathematics Learning and Teaching** - Mathematics Learning and Teaching will help students develop the knowledge and skills necessary to become prospective and practicing educators. Students will be able to use a variety of instructional strategies to effectively facilitate the learning of mathematics. This course focuses on selecting appropriate resources, using multiple strategies, and planning instruction, with methods based on research and problem solving. A deep understanding of the knowledge, skills, and disposition of mathematics pedagogy is necessary to become an effective secondary mathematics educator. There are no prerequisites for this course.

**C285 - Mathematics History and Technology** - Mathematics History and Technology introduces a variety of technological tools for doing mathematics, and you will develop a broad understanding of the historical development of mathematics. You will come to understand that mathematics is a very human subject that comes from the macro-level sweep of cultural and societal change, as well as the micro-level actions of individuals with personal, professional, and philosophical motivations. Most importantly, you will learn to evaluate and apply technological tools and historical information to create an enriching student-centered mathematical learning environment. There are no prerequisites for this course.

**C304 - Professional Roles and Values** - This course explores the unique role nurses play in healthcare, beginning with the history and evolution of the nursing profession. The responsibilities and accountability of professional nurses are covered, including cultural competency, advocacy for patient rights, and the legal and ethical issues related to supervision and delegation. Professional conduct, leadership, the public image of nursing, the work environment, and issues of social justice are also addressed.

**C306 - Finite Mathematics** - Finite Mathematics covers the knowledge and skills necessary to apply discrete mathematics and properties of number systems to model and solve real-life problems. Topics include sets and operations; prime and composite numbers; greatest common denominator (GCD) and least common multiple (LCM); order of operations; ordering numbers; mathematical systems including modular arithmetic, arithmetic and geometric sequences; ratio and proportion; subsets of real numbers; logic and truth tables; graphs; trees and networks; and permutation and combination. There are no prerequisites for this course.

**C307 - Supervised Demonstration Teaching in Elementary Education, Observations 1 and 2** - Supervised Demonstration Teaching in Elementary Education involves a series of classroom performance observations by the host teacher and clinical supervisor that develop comprehensive performance data about the teacher candidate's skills.

**C308 - Supervised Demonstration Teaching in Elementary Education, Observation 3 and Midterm** - Supervised Demonstration Teaching in Elementary Education involves a series of classroom performance observations by the host teacher and clinical supervisor that develop comprehensive performance data about the teacher candidate's skills.

**C309 - Supervised Demonstration Teaching in Elementary Education, Observations 4 and 5** - Supervised Demonstration Teaching in Elementary Education involves a series of classroom performance observations by the host teacher and clinical supervisor that develop comprehensive performance data about the teacher candidate's skills.

**C310 - Supervised Demonstration Teaching in Elementary Education, Observation 6 and Final** - Supervised Demonstration Teaching in Elementary Education involves a series of classroom performance observations by the host teacher and clinical supervisor that develop comprehensive performance data about the teacher candidate's skills.

**C311 - Supervised Demonstration Teaching in Elementary and Special Education, Obs 1 and 2** - Supervised Demonstration Teaching in Elementary and Special Education involves a series of classroom performance observations by the host teacher and clinical supervisor that develop comprehensive performance data about the teacher candidate's skills.

**C312 - Supervised Demonstration Teaching in Elementary and Special Education, Obs 3 and Midterm** - Supervised Demonstration Teaching in Elementary and Special Education involves a series of classroom performance observations by the host teacher and clinical supervisor that develop comprehensive performance data about the teacher candidate's skills.

**C313 - Supervised Demonstration Teaching in Elementary and Special Education, Obs 4 and 5** - Supervised Demonstration Teaching in Elementary and Special Education involves a series of classroom performance observations by the host teacher and clinical supervisor that develop comprehensive performance data about the teacher candidate's skills.

**C314 - Supervised Demonstration Teaching in Elementary and Special Education, Obs 6 and Final** - Supervised Demonstration Teaching in Elementary and Special Education involves a series of classroom performance observations by the host teacher and clinical supervisor that develop comprehensive performance data about the teacher candidate's skills.



**C315 - Supervised Demonstration Teaching in Mathematics, Observations 1 and 2** - Supervised Demonstration Teaching in Mathematics involves a series of classroom performance observations by the host teacher and clinical supervisor that develop comprehensive performance data about the teacher candidate's skills.

**C316 - Supervised Demonstration Teaching in Mathematics, Observation 3 and Midterm** - Supervised Demonstration Teaching in Mathematics involves a series of classroom performance observations by the host teacher and clinical supervisor that develop comprehensive performance data about the teacher candidate's skills.

**C317 - Supervised Demonstration Teaching in Mathematics, Observations 4 and 5** - Supervised Demonstration Teaching in Mathematics involves a series of classroom performance observations by the host teacher and clinical supervisor that develop comprehensive performance data about the teacher candidate's skills.

**C318 - Supervised Demonstration Teaching in Mathematics, Observation 6 and Final** - Supervised Demonstration Teaching in Mathematics involves a series of classroom performance observations by the host teacher and clinical supervisor that develop comprehensive performance data about the teacher candidate's skills.

**C319 - Supervised Demonstration Teaching in Science, Observations 1 and 2** - Supervised Demonstration Teaching in Science involves a series of classroom performance observations by the host teacher and clinical supervisor that develop comprehensive performance data about the teacher candidate's skills.

**C320 - Supervised Demonstration Teaching in Science, Observation 3 and Midterm** - Supervised Demonstration Teaching in Science involves a series of classroom performance observations by the host teacher and clinical supervisor that develop comprehensive performance data about the teacher candidate's skills.

**C321 - Supervised Demonstration Teaching in Science, Observations 4 and 5** - Supervised Demonstration Teaching in Science involves a series of classroom performance observations by the host teacher and clinical supervisor that develop comprehensive performance data about the teacher candidate's skills.

**C322 - Supervised Demonstration Teaching in Science, Observation 6 and Final** - Supervised Demonstration Teaching in Science involves a series of classroom performance observations by the host teacher and clinical supervisor that develop comprehensive performance data about the teacher candidate's skills.

**C339 - Cohort Seminar** - Cohort Seminar provides mentoring and supports teacher candidates during their demonstration teaching period by providing weekly collaboration and instruction related to the demonstration teaching experience. It facilitates their demonstration of competence in becoming reflective practitioners, adhering to ethical standards, practicing inclusion in a diverse classroom, exploring community resources, building collegial and collaborative relationships with teachers, and considering leadership and supervisory skills.

**C340 - Cohort Seminar in Special Education** - Cohort Seminar in Special Education provides mentoring and supports teacher candidates during their demonstration teaching period by providing weekly collaboration and instruction related to the demonstration teaching experience. It facilitates their demonstration of competence in becoming reflective practitioners, adhering to ethical standards, practicing inclusion in a diverse classroom, exploring community resources, building collegial and collaborative relationships with teachers, and considering leadership and supervisory skills.

**C341 - Cohort Seminar** - Cohort Seminar provides mentoring and supports teacher candidates during their demonstration teaching period by providing weekly collaboration and instruction related to the demonstration teaching experience. It facilitates their demonstration of competence in becoming reflective practitioners, adhering to ethical standards, practicing inclusion in a diverse classroom, exploring community resources, building collegial and collaborative relationships with teachers, and considering leadership and supervisory skills.

**C347 - Professional Portfolio** - Professional Portfolio requires candidates to create an online teaching portfolio that demonstrates professional beliefs, growth, and effective teaching practices from the Demonstration Teaching experience. The portfolio includes reflective essays (educational beliefs, professional growth, and collaboration with stakeholders) and professional artifacts (resume and artifacts with commentary on academic language, systems of student support, education technology, and professional communication with families) developed and acquired during Demonstration Teaching.

**C360 - Teacher Work Sample in English Language Learning** - The Teacher Work Sample is a culmination of the wide variety of skills learned during your time in the Teachers College at WGU. In order to be a competent and independent classroom teacher, you will showcase a collection of your content, planning, instructional, and reflective skills in this professional assessment.

**C361 - Evidence Based Practice and Applied Nursing Research** - The Evidence Based Practice course will help you to learn how to design and conduct research to answer important questions about improving nursing practice and patient care delivery outcomes. After you are introduced to the basics of evidence-based practice, you will continue to implement the principles throughout your clinical experience. This will allow you to graduate with more competence and confidence to become a leader in the healthcare environment.

**C362 - Calculus I** - Calculus I is the study of rates of change in relation to the slope of a curve and covers the knowledge and skills necessary to apply differential calculus of one variable and to use appropriate technology to model and solve real-life problems. Topics include functions, limits, continuity, differentiability, visual, analytical, and conceptual approaches to the definition of the derivative, the power, chain, sum, product, and quotient rules applied to polynomial, trigonometric, exponential, and logarithmic functions, implicit differentiation, position, velocity, and acceleration, optimization, related rates, curve sketching, and L'Hopital's Rule. Pre-Calculus is a pre-requisite for this course.

**C363 - Calculus I** - Calculus I is the study of rates of change in the slope of a curve and covers the knowledge and skills necessary to apply differential calculus of one variable and to use appropriate technology to model and solve real-life problems. Topics include functions, limits, continuity, differentiability, visual, analytical, and conceptual approaches to the definition of the derivative; the power, chain, sum, product, and quotient rules applied to polynomial, trigonometric, exponential, and logarithmic functions; implicit differentiation, position, velocity, and acceleration; optimization, related rates, curve sketching, and L'Hopital's rule. Precalculus is a prerequisite for this course.

**C365 - Language Arts Instruction and Intervention** - Language Arts Instruction and Intervention helps students learn how to implement effective language arts instruction and intervention in the elementary classroom. Topics include written and spoken English, expanding students' knowledge, literature rich environments, differentiated instruction, technology for reading and writing, assessment strategies for reading and writing, and strategies for developing academic language. There are no prerequisites for this course.

**C367 - Elementary Physical Education and Health Methods** - Elementary Physical Education and Health Methods helps students learn how to implement effective physical and health education instruction in the elementary classroom. Topics include healthy lifestyles, student safety, student nutrition, physical education, differentiated instruction for physical and health education, physical education across the curriculum, and public policy in health and physical education. This course is designed to be taken after successful completion of Introduction to Curriculum, Instruction, and Assessment OR Introduction to Instructional Planning and Presentation AND Instructional Planning and Presentation in Elementary or Special Education.

**C371 - Concepts in Science** - Concepts in Science for undergraduates provides students seeking a bachelor's degree and initial teacher licensure in science education with an introduction to essential science themes present within and across all science disciplines, including chemistry, physics, biology, and the geosciences. These themes include comprehending the magnitude of the physical and natural world, analyzing and converting measurements, understanding the basic nature and behavior of matter and energy, examining atomic structure, identifying and naming basic types of chemical bonds, and analyzing and interpreting scientific data. Concepts in Science provides a solid foundation for future, in-depth scientific studies and should be taken prior to any other science content course. There are no prerequisites for this course.

**C373 - General Chemistry I with Lab** - General Chemistry I with Lab for undergraduates provides students seeking initial teacher licensure in secondary chemistry with an introduction to the field of chemistry, the branch of science that studies the composition, structure, properties, and behavior of matter. This course provides students with opportunities to examine the electronic structure of atoms, study periodic trends, name chemical compounds, write chemical formulas, determine the structure of molecules, balance chemical reactions, and discover the changing states of matter. Laboratory experiences facilitate the study of matter and the application of laboratory safety and maintenance procedures. Concepts in Science is a prerequisite for this course.

**C374 - General Chemistry II with Lab** - C374: General Chemistry II with Lab for undergraduates continues the study of general chemistry for students seeking initial teacher licensure in secondary chemistry. Building on the topics covered in General Chemistry I, General Chemistry II examines the behavior of gases and solutions, reaction rates and equilibrium, acids and bases, and oxidation-reduction reactions. Also, this course provides an introduction to three sub-disciplines of chemistry: organic chemistry, biochemistry, and nuclear chemistry. Laboratory experiences reinforce the essential skills required for conducting successful scientific investigations. C373: General Chemistry I for undergraduates is a prerequisite for this course.

**C375 - Survey of World History** - Through a thematic approach, this course explores the history of human societies over 5,000 years. Candidates examine political and social structures, religious beliefs, economic systems, and patterns in trade, as well as many cultural attributes that came to distinguish different societies around the globe over time. Special attention is given to relationships between these societies and the way geographic and environmental factors influence human development.

**C380 - Language Arts Instruction and Intervention** - Language Arts Instruction and Intervention helps students learn to implement effective language arts instruction and intervention in the elementary classroom. Topics include written and spoken English, student knowledge expansion, literature-rich environments, differentiated instruction, technology for reading and writing, assessment strategies for reading and writing, and strategies for developing academic language. This course is designed to be taken after successful completion of Introduction to Curriculum, Instruction, and Assessment OR Instructional Planning and Presentation in Elementary Education.

**C381 - Elementary Mathematics Methods** - Elementary Mathematics Methods helps students learn to implement effective mathematics instruction in the elementary classroom. Topics include differentiated mathematics instruction, mathematical communication, mathematical tools for instruction, assessing mathematics understanding, integrating mathematics across the curriculum, critical thinking development, standards based mathematics instruction, and mathematical models and representation. This course is designed to be taken after successful completion of Introduction to Curriculum, Instruction, and Assessment OR Instructional Planning and Presentation in Elementary Education.

**C382 - Elementary Science Methods** - Elementary Science Methods helps students learn how to implement effective science instruction in the elementary classroom. Topics include processes of science, science inquiry, science learning environments, instructional strategies for science, differentiated instruction for science, assessing science understanding, technology for science instruction, standards based science instruction, integrating science across curriculum, and science beyond the classroom. This course is designed to be taken after successful completion of Introduction to Curriculum, Instruction, and Assessment OR Instructional Planning and Presentation in Elementary Education.

**C388 - Science, Technology, and Society** - Science, Technology, and Society explores the ways in which science influences and is influenced by society and technology. Science is a humanistic and social endeavor and serves the needs of ever-changing societies by providing methods for observing, questioning, discovering, and communicating information about the physical and natural world. This course prepares educators to explain the nature and history of science, the various applications of science, and the scientific and engineering processes used to conduct investigations, make decisions, and solve problems. There are no prerequisites for this course.

**C389 - Science, Technology, and Society** - Science, Technology, and Society explores the ways in which science influences and is influenced by society and technology. A humanistic and social endeavor, science serves the needs of ever-changing societies by providing methods for observing, questioning, discovering, and communicating information about the physical and natural world. This course prepares educators to explain the nature and history of science, the various applications of science, and the scientific and engineering processes used to conduct investigations, make decisions, and solve problems. There are no prerequisites for this course.

**C393 - IT Foundations** - IT Foundations focuses mostly on hardware and will afford you the skills you need to support five core components: mobile devices; networking; hardware; virtualization and cloud computing; and network and hardware troubleshooting. These are essential skills to set up and troubleshoot any system. Whether you work in a data center or an office, most of your work as an IT professional will execute in a hardware platform; understanding the hardware layer of the IT infrastructure will allow you to work more efficiently, provide solutions for business requirements, and be a key contributor in your company. The course prepares learners for the CompTIA A+ Core 1 certification exam.

**C394 - IT Applications** - IT Applications explores personal computer components and their functions in a desktop system. Topics cover computer data storage and retrieval, including classifying, installing, configuring, optimizing, upgrading, and troubleshooting printers, laptops, portable devices, operating systems, networks, and system security. Other areas in this course include recommending appropriate tools, diagnostic procedures, preventive maintenance, and troubleshooting techniques for personal computer components in a desktop system. The course finishes with strategies for identifying, preventing, and reporting safety hazards in a technological environment; effective communication with colleagues and clients; and job-related professional behavior. This course is designed to build the skills to support four core components: operating systems, security, software troubleshooting, and operational procedures. These are core competencies for IT professionals from cloud engineers to data analysts, and these competencies will empower students with a better understanding of the tools used during their careers. The course prepares learners for the CompTIA A+ Core 2 certification exam.

**C396 - English Pedagogy** - English Pedagogy examines pedagogical applications for the teaching of reading, literature, composition, and related English Language Arts (ELA) content and skills for middle and secondary schools. Focused on fostering and developing pedagogical content knowledge in the aforementioned areas, students will analyze assessment strategies and incorporate methods of literacy instruction into their instructional planning to meet the needs of diverse learners. This course helps students prepare and develop skills for classroom practice, lesson planning, and working in school settings. C397 Preclinical Experiences in English is a prerequisite.

**C405 - Anatomy and Physiology II** - This course introduces advanced concepts of human anatomy and physiology through the investigation of the structures and functions of the body's organ systems. Students will have the opportunity to explore the body through laboratory experience and apply the concepts covered in this course. For nursing students, this is the second of two anatomy and physiology courses within the program of study.

**C425 - Healthcare Delivery Systems, Regulation, and Compliance** - This course provides an overview of the U.S. healthcare system and focuses on developing an understanding of the various sectors and roles involved in this complex industry. Policy and compliance issues are also addressed to facilitate an appreciation for the highly regulated nature of healthcare delivery.

**C426 - Healthcare Values and Ethics** - This course explores ethical standards and considerations common to the healthcare environment such as access to care, confidentiality, the allocation of limited resources, and billing practices. This course also focuses on the distinct value system associated with the healthcare industry, as well as the values of professionalism.

**C427 - Technology Applications in Healthcare** - This course explores how technology continues to change and influence the healthcare industry. Practical managerial applications are explored as well as the legal, ethical, and practical aspects of access to health and disease information. Ensuring the protection of private health information is also emphasized.

**C428 - Financial Resource Management in Healthcare** - Financial Resource Management in Healthcare

This course examines the financial environment of the healthcare industry including principles involved in managed care. It also explores the revenue and expense structures for different sectors within the industry while emphasizing funding and reimbursement practices of healthcare.

**C429 - Healthcare Operations Management** - This course builds upon basic principles of management, organizational behavior, and leadership. Specific processes and business principles for managing operations in interdependent and multi-disciplinary healthcare organizations are explored. Marketing strategies, communication skills, and the ability to establish and maintain relationships while ensuring productivity that is efficient, safe, and meets the needs of all stakeholders is emphasized.

**C430 - Healthcare Quality Improvement and Risk Management** - This course emphasizes principles of quality management and risk management in order to ensure safety, maximize patient outcomes, and continuously improve organizational outcomes. This course also examines the broader impact of organizational culture and its influence on productivity, quality, and risk.

**C431 - Healthcare Research and Statistics** - This course builds upon an understanding of research methods and quantitative analysis. Concepts of population health, epidemiology, and evidence-based practices provide the foundation for understanding the importance of data for informing healthcare organizational decisions.

**C432 - Healthcare Management and Strategy** - Healthcare Management and Strategy  
This course builds upon basic principles of strategic management and explores healthcare organizational structures and processes. The importance of the collaborative nature and interrelationships among business functions is emphasized. Creating a healthcare vision and designing business plans within a healthcare environment is also examined.

**C439 - Healthcare Management Capstone** - This course is the culminating experience and assessment of healthcare business administration. This course requires the student to integrate and synthesize managerial skills with healthcare knowledge, resulting in a high quality final project that demonstrates professional managerial proficiency.

**C453 - Clinical Microbiology** - Clinical Microbiology introduces general concepts, methods, and applications of microbiology from a health sciences perspective. The course is designed to provide healthcare professionals with a basic understanding of how various diseases are transmitted and controlled. Students will examine the structure and function of microorganisms, including the roles that they play in causing major diseases. The course also explores immunological, pathological, and epidemiological factors associated with disease. To assist students in developing an applied, patient-focused understanding of microbiology, this course is complimented by several lab experiments that allow students to: practice aseptic techniques, grow bacteria and fungi, identify characteristics of bacteria and yeast based on biochemical and environmental tests, determine antibiotic susceptibility, discover the microorganisms growing on objects and surfaces, and determine the Gram characteristic of bacteria. This course has no prerequisites.

**C455 - English Composition I** - English Composition I introduces candidates to the types of writing and thinking that are valued in college and beyond. Candidates will practice writing in several genres with emphasis placed on writing and revising academic arguments. Instruction and exercises in grammar, mechanics, research documentation, and style are paired with each module so that writers can practice these skills as necessary. Composition I is a foundational course designed to help candidates prepare for success at the college level. There are no prerequisites for English Composition I.

**C456 - English Composition II** - English Composition II introduces candidates to the types of research and writing that are valued in college and beyond. Candidates will practice writing, with emphasis placed on research, writing, and revising an academic argument. Instruction and exercises in grammar, mechanics, research documentation, and style are paired with each module so that writers can practice these skills as necessary. Composition II is a foundational course designed to help candidates prepare for success at the college level. Composition I is the prerequisite for Composition II.

**C458 - Health, Fitness, and Wellness** - Health, Fitness, and Wellness focuses on the importance and foundations of good health and physical fitness—particularly for children and adolescents—addressing health, nutrition, fitness, and substance use and abuse.

**C464 - Introduction to Communication** - This introductory communication course allows candidates to become familiar with the fundamental communication theories and practices necessary to engage in healthy professional and personal relationships. Candidates will survey human communication on multiple levels and critically apply the theoretical grounding of the course to interpersonal, intercultural, small group, and public presentational contexts. The course also encourages candidates to consider the influence of language, perception, culture, and media on their daily communicative interactions. In addition to theory, candidates will engage in the application of effective communication skills through systematically preparing and delivering an oral presentation. By practicing these fundamental skills in human communication, candidates become more competent communicators as they develop more flexible, useful, and discriminatory communicative practices in a variety of contexts. Note: There are references within this video to Taskstream. If Taskstream is not part of your student experience, please disregard, and locate your task(s) within your course.

**C465 - Care of the Developing Family** - The Care of the Developing Family Clinical and Simulation course includes all aspects of clinical learning related to care of the developing family nursing practice. Learning labs will teach and assesses advancing clinical competencies through the use of high-fidelity simulation and advanced clinical debriefing for clinical scenarios. Students engage in scenarios that represent patients with gestational diabetes, a normal vaginal delivery, placenta previa, pre-eclampsia, and post-partum hemorrhage. Learner competency will be assessed through performance in the clinical intensive for Care of the Developing Family. Topics include care of the family during the prenatal period; care of the family during the intrapartum period; care of the postpartum family; and health promotion of the family.

**C466 - Medication Dosage Calculations** - In Medication Dosage Calculations, candidates learn about individualized drug dosing concepts including different measurement systems, solid and liquid medications, calculating dosages based on body weight or body surface area, interpreting drug labels and abbreviations, and common medication errors.

**C467 - Pharmacology** - Pharmacology covers concepts in pharmacology, including drug classification and effects, the role of the nurse in drug therapy, preparation and administration of drugs, and ethical and legal issues surrounding medication administration. The Institute of Medicine reports that cited medication errors are the most common medical errors, costing billions of dollars and harming up to 1.5 million people every year. Medication errors are often the result of nurses failing to follow proper procedures. The pharmacology course covers: the nursing process in relation to drug therapy; the role of pharmacological principles in nursing; the role of the nurse in pharmacy and lifespan considerations; cultural, ethical, and legal considerations; education and substance abuse; and gene therapy and pharmacology. This course introduces the nursing student to these concepts and continues to integrate pharmacology throughout the clinical courses within the program.

**C468 - Information Management and the Application of Technology** - Information Management and the Application of Technology helps the candidate learn how to identify and implement the unique responsibilities of nurses related to the application of technology and the management of patient information. This includes understanding the evolving role of nurse informaticists; demonstrating the skills needed to use electronic health records; identifying nurse-sensitive outcomes that lead to quality improvement measures; supporting the contributions of nurses to patient care; examining workflow changes related to the implementation of computerized management systems; and learning to analyze the implications of new technology on security, practice, and research.

**C469 - Caring Arts and Science Across the Lifespan Part I** - Caring Arts and Science Across the Lifespan Part I introduces nursing fundamentals that speak to the core of all nursing care by assessing the needs of patients with compassion and respect; advocating for patients and their families; providing education and comfort; and integrating patient needs into a plan of care that embraces individuality, diversity, and belief. This course allows students to learn about fundamental nursing skills within their didactic environment and practice in a learning lab environment.

**C470 - Caring Arts and Science Across the Lifespan Part I Clinical Learning** - Caring Arts and Science Across the Lifespan Part I Clinical Learning includes all aspects of clinical learning related to the fundamentals of nursing practice. Learning labs will teach and assess task skill knowledge including physical assessment, safe medication administration, and oxygenation; nutrition, metabolism, and elimination; skin integrity, activity, and mobility; and cognition. This course provides an opportunity for students who are successful in lab assessments to progress to live patient clinicals. During clinicals, students will be assessed for their mastery of basic levels of the key behaviors for clinical practice of a novice nursing student.

**C471 - Caring Arts and Science Across the Lifespan Part II** - Caring Arts and Science Across the Lifespan Part II topics include management of the perioperative care continuum; patient-centered care of the adult; care of the adult with alterations in circulation; care of the adult with alterations in cardiovascular function; care of the adult with alterations in oxygenation; care of the adult with alterations in neurosensory function; fundamental patient self-determination and advocacy; and end-of-life care. This course incorporates virtual simulations into the didactic course to help students prepare for their learning labs and clinical learning experience. Patient scenarios for the virtual simulations include: fluid and electrolyte imbalance; blood transfusion reaction; severe reaction to an antibiotic; pulmonary embolism; and postoperative complications with a fracture.

**C472 - Caring Arts and Science Across the Lifespan Part II Clinical Learning** - The clinical learning course for Caring Arts and Science Across the Lifespan Part II includes all aspects of clinical learning related to medical surgical nursing practice. Learning labs will teach and assess task skill knowledge progressing to high fidelity simulation scenarios to develop mastery of situated use of knowledge and synthesis of knowledge in clinical scenarios that focus on perioperative care. The virtual simulations that students completed in didactic will prepare them for their learning lab scenarios. Students who are successful in lab assessments will progress to live patient clinicals and will be assessed for their mastery of basic levels of the key behaviors for clinical practice of Medical Surgical nursing.

**C473 - Care of Adults with Complex Illnesses** - The Care of Adults with Complex Illnesses course builds on prior knowledge of medical surgical nursing care and common conditions, focusing on diseases and conditions that affect the neuromuscular system, the musculoskeletal system, the kidneys, the pancreas, and diseases such as cancer and impaired immunity, which affect every part of the body. Students will develop mastery of competencies related to advanced medical surgical nursing practice. This course also utilizes virtual simulation scenarios to help students prepare for their learning labs and their clinical intensives. Students work through the following patient scenarios: diabetes/hypoglycemia; postop abdominal hysterectomy/opioid intoxication; acute severe asthma; acute myocardial infarction; and respiratory system disease.

**C474 - Clinical Learning for Complex Illnesses in Adults** - Clinical Care of Adults with Complex Illnesses includes all aspects of clinical learning related to advanced medical surgical nursing practice. Learning labs will teach and assess advanced clinical competencies through the use of high-fidelity simulation and advanced clinical debriefing for clinical scenarios. Students participate in skills related to advance medication administration, central venous devices, and peripherally inserted central catheters. The virtual simulations that students completed in didactic will prepare them for their learning lab scenarios. Students who are successful in simulation assessments will progress to live patient clinicals and will be assessed for their mastery of advanced levels of the key behaviors for clinical practice of medical surgical nursing.

**C475 - Care of the Older Adult** - Care of the Older Adult adapts the concepts from prior coursework to the care of older adults. An understanding of the effects that policy and legislation have on how healthcare systems treat aging patients sets a foundation for improving their care. Students will apply health assessment skills and evidence-based standards in such a way to account for the specific needs of older adults. Emphasis is placed on the importance of maintaining the dignity of older adults by focusing on cultural, religious, spiritual, and communication needs, and by collaborating on care with older adults, families, and caregivers.

**C476 - Psychiatric and Mental Health Nursing** - In Psych/Mental Health, students will discover the many faces of mental illness and the role that the nursing profession plays in managing care of patients and families struggling with a mental illness. Caring for patients with mental illness requires patience and true compassion, a commitment to patient advocacy, and an in-depth understanding of psychopharmacology. Students will work through current issues in mental health; take a look at ethical and legal issues in mental health; review foundations of practice and nursing assessment; learn about therapeutic interventions and crisis management; learn about various mental health disorders and the care of these patients.

**C477 - Nursing Care of Children** - Nursing Care of Children explores the many facets of the pediatric population. The course materials cover the following topics: well-child care; growth and development; immunizations; community health; health trends in pediatrics; disease processes of the cardio-pulmonary system, the neurological system, gastrointestinal system, genitourinary system, respiratory system, integumentary system, endocrine system, musculoskeletal and neuromusculoskeletal system; safe administration of medications, pain management, and hospitalization of the pediatric population. This course also utilizes the virtual simulations to prepare students for their learning lab and clinical experience. The scenarios covered with the virtual simulations include: anaphylaxis; pneumonia leading to respiratory distress (asthma); dehydration; generalized tonic-clonic seizures; and sickle cell anemia.

**C478 - Critical Care Nursing Clinical Learning** - Critical care environments are not limited to the intensive care unit but can occur in emergency departments, in surgery, during transport, and sometimes during a disaster. The Critical Care Nursing course introduces students to the critical care environment and includes such topics as moral distress, the role of the critical care nurse, legal and ethical issues, health disparity, sleep deprivation, psychosocial needs of not only patients but also their families, and end-of-life care. This course then takes a more in-depth look at the various system failures students might encounter in a critical care setting, including the pulmonary and cardiac systems, hemodynamics and neurology, the endocrine and renal systems, the gastrointestinal system, shock, and hematology. At this point in the program, students are refining their critical thinking skills by integrating their understanding of physiology, pathology, pharmacology, and the nursing process and applying this to various situations experienced by patients and their families.

**C480 - Networks** - Networks for undergraduates focuses on the general concepts and applications of computer operating systems and network topologies. The fundamental knowledge and skills gained in this course prepares students for the CompTIA Network+ certification exam. Network and Security – Foundations is a pre-requisite for this course.

**C482 - Software I** - Software I builds object-oriented programming expertise and introduces powerful new tools for Java application development. You will learn about and put into action class design, exception handling, and other object-oriented principles and constructs to develop software that meets business requirements. This course requires foundational knowledge of object-oriented programming and the Java language.

**C483 - Principles of Management** - Principles of Management provides students with an introductory look at the discipline of management and its context within the business environment. Students of this course build on previously mastered competencies by taking a more in-depth look at management as a discipline and how it differs from leadership while further exploring the importance of communication within business. This course provides students with a business generalist overview in the areas of strategic decision-making and operational planning, managerial budgeting, change management, human capital management, staff development, and conflict management.

**C484 - Organizational Behavior and Leadership** - Organizational Behavior and Leadership explores how to lead and manage effectively in diverse business environments. The course requires students to demonstrate the ability to apply organizational leadership theories and management strategies in a series of scenario-based problems.

**C486 - Organizational Systems: Safety and Regulation** - The Organizational Systems course presents the required sequence of learning activities developed to assist students in achieving competency in the safety and regulatory requirements mandated by the Joint Commission and Occupational Safety and Health Association (OSHA). Learning activities are presented in a sequential order and often build upon prior activities and skills; it is therefore important to complete the course in the order presented.

**C487 - Psych/Mental Health Clinical** - The clinical experience for psychiatric/mental health differs from other clinical intensives. Students are required to have a total of 90 hours of clinical time and must document their hours on a time log. They will have a total of 72 hours scheduled. Students will be assessed of their mastery of advancing levels of key behaviors in the psychiatric/mental health clinical.

**C488 - Critical Care Nursing** - Critical care environments are not limited to the intensive care unit, but can occur in emergency departments, surgery, during transport, and sometimes during a disaster. The Critical Care Nursing course introduces the student to the critical care environment and includes such topics as moral distress, the role of the critical care nurse, legal and ethical issues, health disparity, sleep deprivation, psychosocial needs of not only the patient but their family, and end of life care. This course then takes a more in depth look at the various system failures students might encounter in a critical care setting to include the pulmonary and cardiac systems; hemodynamics and neurology; endocrine and renal systems; gastrointestinal system; shock; and hematology. At this point in the program the student is beginning to refine their critical thinking skills by integrating their understanding of physiology, pathology, pharmacology, and the nursing process and applying this to various situations experience by the patient and their family.

**C489 - Organizational Systems and Quality Leadership** - Nurses serve as clinicians, managers, and mentors to shape the future of healthcare and affect patient care outcomes in positive ways. This course will help students be more confident and better prepared to assume leadership roles regardless of their position in the healthcare delivery system. This advanced leadership course focuses on the concepts of patient safety; improvement science; balancing cost, quality, and access through the triple aim; and leadership and patient/family-centered care. Students will develop mastery of advanced competencies, particularly in patient safety in quality improvement science.

**C490 - Professional Nursing Role Transition** - This course is a three-part course: preparing for the NCLEX; leadership learning experience; and professional portfolio. After graduating from a nursing program, the student must take and pass the NCLEX-RN®. This is a high-stakes licensing exam and success on the first attempt is very important. In order to prepare for the possibility of taking the long exam, students will need to practice taking longer exams; and build up stamina to sit and concentrate that long. In this course, students will create an intense study plan and pass complete an NCLEX-RN predictor exam. Students will also complete a Leadership Learning Experience (LLE) is designed to help the student learn more about the various roles of a healthcare team. The student will participate in a specified number of interdisciplinary team meetings during a clinical experience. The student may observe the various roles, but participation in the meetings will help with growth and learning. Successful completion of a written paper will satisfy this portion of the course. The professional portfolio will showcase student accomplishments, knowledge, and skills and will increase marketability as a baccalaureate-prepared nurse, and focuses on the concepts strengths, and clinical reasoning abilities that define professional nursing practice. A passing grade of the submitted portfolio will satisfy this portion of the course.

**C491 - Nursing Clinical Practicum** - Before graduating, nursing students need to experience clinical as an independent member of the nursing team who manages a standard patient load. Working under the supervision of a preceptor, the student will have an opportunity to test clinical reasoning, patient care management, delegation and organizational skills in caring for a group of patients to complete 180 hours of supervised clinical practice. The student is working to transition from novice student nurse to novice clinical nurse.

**C492 - Physical Assessment** - The physical assessment course is designed to help students build a cognitive understanding of a physical assessment as well as the skills used to conduct a physical assessment on patients across the lifespan. Students will work through activities that enhance their learning and understanding of the physical assessment. These include learning about the importance of the health history, working through the body systems through readings, case studies, and virtual simulations. Interviewing and advance history taking are an integral part of the assessment process along with the skills necessary to complete a primary physical assessment. Students will master these assessment competencies through the use of virtual simulation reality experiences. This course is taught in tandem with the Caring Arts and Sciences Across the Lifespan Part 1 course.

**C494 - Advanced Standing for RN License** - Advanced Standing for RN License

**C498 - MS, Information Technology Management Capstone** - MSITM Capstone course challenges students to demonstrate mastery of all the MSITM program outcomes. The capstone challenges students to integrate skills and knowledge from all program domains into one project.

**C612 - Mathematics: Content Knowledge** - Mathematics: Content Knowledge is designed to help candidates refine and integrate the mathematics content knowledge and skills necessary to become successful secondary mathematics teachers. A high level of mathematical reasoning skills and the ability to solve problems are necessary to complete this course. Prerequisites for this course are College Geometry, Probability and Statistics I, Pre-Calculus, Calculus I, and Calculus II. Linear Algebra, and Calculus III are recommended.

**C613 - Middle School Mathematics: Content Knowledge** - Mathematics: Middle School Content Knowledge is designed to help candidates refine and integrate the mathematics content knowledge and skills necessary to become successful middle school mathematics teachers. A high level of mathematical reasoning skills and the ability to solve problems are necessary to complete this course. Prerequisites for this course are College Geometry, Probability and Statistics I, and Pre-Calculus.

**C614 - Biology: Content Knowledge** - This comprehensive course examines a student's conceptual understanding of a broad range of biology topics. High school biology teachers must help students make connections between isolated topics. This course starts with macromolecules that make up cellular components and continues with understanding the many cellular processes that allow life to exist. Connections are then made between genetics and evolution. Classification of organisms leads into plant and animal development that study the organ systems and their role in maintaining homeostasis. The course finishes by studying ecology and the effect humans have on the environment.

**C615 - Physics: Content Knowledge** - Physics: Content Knowledge covers the advanced content knowledge that a secondary physics teacher is expected to know and understand. Topics include mechanics, electricity and magnetism, optics and waves, heat and thermodynamics, modern physics, atomic and nuclear structure, the history and nature of science, science technology, and social perspectives.

**C616 - Middle School Science: Content Knowledge** - This course covers the content knowledge that a middle-level science teacher is expected to know and understand. Topics include scientific methodologies, history of science, basic science principles, physical sciences, life sciences, earth and space sciences, and the role of science and technology and their impact on society.

**C617 - Chemistry: Content Knowledge** - Chemistry: Content Knowledge provides advanced instruction in the main areas of chemistry for which secondary chemistry teachers are expected to demonstrate competency. Topics include matter and energy, thermochemistry, structure, bonding, reactivity, biochemistry and organic chemistry, solutions, nature of science, technology and social perspectives, mathematics, and laboratory procedures.

**C618 - Earth Science: Content Knowledge** - This course covers the advanced content knowledge that a secondary earth/space science teacher is expected to know and understand. Topics include basic scientific principles of earth and space sciences, tectonics and internal earth processes, earth materials and surface processes, history of Earth and its life-forms, Earth's atmosphere and hydrosphere, and astronomy.

**C624 - Biochemistry** - Biochemistry covers the structure and function of the four major polymers produced by living organisms. These include nucleic acids, proteins, carbohydrates, and lipids. This course focuses on application. Be sure to understand the underlying biochemistry in order to grasp how it is applied. By successfully completing this course, you will gain an introductory understanding of the chemicals and reactions that sustain life. You will also begin to see the importance of this subject matter to health.

**C625 - Biochemistry** - Biochemistry covers the structure and function of the four major polymers produced by living organisms. These include nucleic acids, proteins, carbohydrates, and lipids. This course focuses on application and the underlying biochemistry in order to grasp how it is applied. This course will help students gain an introductory understanding of the chemicals and reactions that sustain life. Students will see the importance of this subject matter to health.

**C626 - MED, Learning and Technology Capstone** - MED, Learning and Technology Capstone takes the student through the steps of planning and conducting research on a topic or issue related to the students' practice setting. Students will design, manage, and develop an instructional product for which there is an identified need, including sections describing a literature review, methodology, and detailed analysis and reporting of results. Prerequisite Courses: Research Foundations (C224), Research Questions and Literature Review (C225), Research Design and Analysis (C226), and Research Proposals (C227) or permission of a faculty manager. Additionally, students wishing to add the Capstone with fewer than eight weeks remaining in the term must receive permission of the faculty manager.

**C635 - MA, Mathematics Education (K-6) Capstone** - MA, Mathematics Education (K-6) Capstone Written Project takes the student through the steps of planning and conducting research on a topic or issue related to the students' practice setting. The result is expected to be a significant piece of research, culminating in a written research report, including sections describing a literature review, methodology, and detailed analysis and reporting of results. Prerequisite Courses: Research Foundations (C224), Research Questions and Literature Review (C225), Research Design and Analysis (C226), and Research Proposals (C227) or permission of a faculty manager. Additionally, students wishing to add the Capstone with fewer than eight weeks remaining in the term must receive permission of the faculty manager.

**C636 - MED, Instructional Design Capstone** - MED, Instructional Design Capstone Written Project is the culminating assessment where learners should be able to integrate and synthesize competencies from across the degree program and thereby demonstrate the ability to participate in and contribute value to their chosen professional field. Prerequisite Courses: Research Foundations (C224), Research Questions and Literature Review (C225), Research Design and Analysis (C226), and Research Proposals (C227) or permission of a faculty manager. Additionally, students wishing to add the Capstone with fewer than eight weeks remaining in the term must receive permission of the faculty manager.

**C645 - Science Methods** - Science Methods provides an introduction to science teaching methods for graduate students seeking initial licensure or an additional endorsement in secondary biology, chemistry, geosciences, physics, or middle grades general science. Course content focuses on the design and teaching of standards-based lessons using the three dimensions of science (science and engineering practices, crosscutting concepts, and disciplinary core ideas) and the appropriate integration of technology into those lessons. Students in this course work within their content areas to evaluate, enhance, and plan appropriate science instruction. This course includes laboratory safety training and certification, which includes safe laboratory practices and procedures for science classrooms and the proper use of personal protective equipment. Students seeking initial licensure should complete NHC1: Introduction to Instructional Planning and Presentation before this course. There are no prerequisites for students seeking an endorsement in a new content area.

**C646 - Trigonometry and Precalculus** - Trigonometry and Precalculus covers the knowledge and skills necessary to apply trigonometry, complex numbers, systems of equations, vectors and matrices, sequence and series, and to use appropriate technology to model and solve real-life problems. Topics include degrees; radians and arcs; reference angles and right triangle trigonometry; applying, graphing and transforming trigonometric functions and their inverses; solving trigonometric equations; using and proving trigonometric identities; geometric, rectangular, and polar approaches to complex numbers; DeMoivre's Theorem; systems of linear equations and matrix-vector equations; systems of nonlinear equations; systems of inequalities; and arithmetic and geometric sequences and series. College Algebra is a prerequisite for this course.

**C647 - Trigonometry and Precalculus** - Trigonometry and Precalculus covers the knowledge and skills necessary to apply trigonometry, complex numbers, systems of equations, vectors and matrices, and sequences and series, and to use appropriate technology to model and solve real-life problems. Topics include degrees; radians and arcs; reference angles and right triangle trigonometry; applying, graphing and transforming trigonometric functions and their inverses; solving trigonometric equations; using and proving trigonometric identities; geometric, rectangular, and polar approaches to complex numbers; DeMoivre's Theorem; systems of linear equations and matrix-vector equations; systems of nonlinear equations; systems of inequalities; and arithmetic and geometric sequences and series. College Algebra is a prerequisite for this course.

**C649 - Geology I: Physical** - Geology I: Physical provides undergraduate students seeking initial licensure or endorsement in secondary science education with an introduction to minerals and rocks, the physical features of the Earth, and the internal and surface processes that shape those features. This course has no prerequisites.

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**C652 - Heredity and Genetics** - Heredity and Genetics is an introductory course for undergraduate students seeking initial licensure or endorsement in secondary or middle grade science education. This course addresses the basic principles of heredity and the function of molecular genetics. Topics include Mendelian and non-Mendelian inheritance and population genetics. This course has no prerequisites.

**C653 - Heredity and Genetics** - Heredity and Genetics is an introductory course for graduate students seeking initial licensure or endorsement and/or students earning their MA degree in secondary or middle grade science education. This course addresses the basic principles of heredity and the function of molecular genetics. Topics include Mendelian and non-Mendelian inheritance and population genetics. This course has no prerequisites.

**C654 - Zoology** - Zoology provides undergraduate students seeking licensure or endorsement in secondary science education with an introduction to the field of zoology. Zoology includes the study of major animal phyla emphasizing characteristics, variations in anatomy, life cycles, adaptations, and relationships among the animal kingdom. A prerequisite for this course is Introduction to Biology.

**C655 - Zoology** - Zoology provides graduate students seeking licensure or endorsement and/or their MA degree in secondary science education with an introduction to the field of zoology. Zoology includes the study of major animal phyla emphasizing characteristics, variations in anatomy, life cycles, adaptations, and relationships among the animal kingdom. A prerequisite for this course is Introduction to Biology.

**C656 - Calculus III** - Calculus III is the study of calculus conducted in three-or-higher-dimensional space. It covers the knowledge and skills necessary to apply calculus of multiple variables while using the appropriate technology to model and solve real-life problems. Topics include: infinite series and convergence tests (integral, comparison, ratio, root, and alternating), power series, Taylor polynomials, vectors, lines and planes in three dimensions, dot and cross products, multivariable functions, limits, and continuity, partial derivatives, directional derivatives, gradients, tangent planes, normal lines, and extreme values. Calculus II is a prerequisite for this course.

**C657 - Calculus III** - Calculus III is the study of calculus conducted in three-or-higher-dimensional space. It covers the knowledge and skills necessary to apply calculus of multiple variables while using the appropriate technology to model and solve real-life problems. Topics include: infinite series and convergence tests (integral, comparison, ratio, root, and alternating), power series, Taylor polynomials, vectors, lines and planes in three dimensions, dot and cross products, multivariable functions, limits, and continuity, partial derivatives, directional derivatives, gradients, tangent planes, normal lines, and extreme values. Calculus II is a prerequisite for this course.

**C659 - Conceptual Physics** - Conceptual Physics provides a broad, conceptual overview of the main principles of physics, including mechanics, thermodynamics, wave motion, modern physics, and electricity and magnetism. Problem-solving activities and laboratory experiments provide students with opportunities to apply these main principles, creating a strong foundation for future studies in physics. There are no prerequisites for this course.

**C670 - Concepts in Science** - Concepts in Science for graduates provides already-licensed teachers seeking an additional license or endorsement in science education with an introduction to essential science themes present within and across all science disciplines, including chemistry, physics, biology, and the geosciences. These themes include comprehending the magnitude of the physical and natural world, analyzing and converting measurements, understanding the basic nature and behavior of matter and energy, examining atomic structure, identifying and naming basic types of chemical bonds, and analyzing and interpreting scientific data. Concepts in Science provides a solid foundation for future, in-depth, scientific studies and should be taken prior to any other science content course. There are no prerequisites for this course.

**C672 - General Chemistry I with Lab** - General Chemistry I with Lab for graduates provides an introduction to the field of chemistry to already-licensed teachers seeking an additional license or endorsement in secondary chemistry. This course provides students with opportunities to examine the electronic structure of atoms, study periodic trends, name chemical compounds, write chemical formulas, determine the structure of molecules, balance chemical reactions, and discover the changing states of matter. Laboratory experiences facilitate the study of matter and the application of laboratory safety and maintenance procedures. Concepts in Science is a prerequisite for this course.

**C673 - General Chemistry II with Lab** - General Chemistry II with Lab for graduates continues the study of general chemistry for already-licensed teachers seeking an additional license or endorsement in secondary chemistry. Building on the topics covered in General Chemistry I, General Chemistry II examines the behavior of gases and solutions, reaction rates and equilibrium, acids and bases, and oxidation-reduction reactions. Also, this course provides an introduction to three subdisciplines of chemistry: organic chemistry, biochemistry, and nuclear chemistry. Laboratory experiences reinforce the essential skills required for conducting successful scientific investigations. C672: General Chemistry I for graduates is a prerequisite for this course.

**C683 - Natural Science Lab** - This course provides students an introduction to using the scientific method and engaging in scientific research to reach conclusions about the natural world. Students will design and carry out an experiment to investigate a hypothesis by gathering quantitative data. They will also research a specific ecosystem using academic sources and draw conclusions from their findings.

**C700 - Secure Network Design** - Secure Network Design covers topics for designing and protecting computer networks. Course topics emphasize secure physical and logical network architecture design for both wired and wireless networks. Secure Network Design provides students the opportunity to recognize secure network characteristics, apply techniques to securely configure network devices, propose network segmentation strategies, perform root cause analysis, and recommend mitigation approaches based on industry best practices. There are no prerequisites for this course.

**C701 - Ethical Hacking** - Ethical Hacking helps students build the skills necessary to protect an organization's information system from unauthorized access and system hacking. Topics include security threats, penetration testing, vulnerability analysis, risk mitigation, business-related issues, and countermeasures. Students will learn how to expose system vulnerabilities, find solutions for eliminating and preventing them, and apply hacking skills on different types of networks and platforms. This course prepares students for the following certification exam: EC-Council's Certified Ethical Hacker exam. This course has no prerequisites.

**C702 - Forensics and Network Intrusion** - Forensics and Network Intrusion builds proficiency in detecting hacking attacks and properly extracting evidence to report the crime and conduct audits to prevent future attacks. Topics include computer forensics in today's world; media and operating system forensics; data and file forensics; audits and investigations; and device forensics. This course has no prerequisites.

**C706 - Secure Software Design** - Secure Software Design focuses on the variety of elements needed to address and implement secure software acquisition and development throughout the software development life cycle (SDLC). It covers the end-to-end principles and addresses people, technology (tools), and processes to design and develop consistently secure applications. Additionally, this course underscores the importance and value of the defense in depth principle across the entire SDLC. Finally, this course introduces techniques to adapt common security activities to modern software development practices, including Agile/Scrum and DevOps. There are no prerequisites for this course.

**C715 - Organizational Behavior** - Organizational Behavior and Leadership explores how to lead and manage effectively in diverse business environments. Students are asked to demonstrate the ability to apply organizational leadership theories and management strategies in a series of scenario-based problems.

**C716 - Business Communication** - Business Communication is a survey course of communication skills needed in the business environment. Course content includes writing messages, reports, and résumés and delivering oral presentations. The course emphasizes communication processes, writing skills, message types, and presentation of data. The development of these skills is integrated with the use of technology.

**C717 - Business Ethics** - Business Ethics is designed to enable students to identify the ethical and socially responsible courses of action available through the exploration of various scenarios in business. Students will also learn to develop appropriate ethics guidelines for a business. This course has no prerequisites.

**C720 - Operations and Supply Chain Management** - Operations and Supply Chain Management provides a streamlined introduction to how organizations efficiently produce goods and services, determine supply chain management strategies, and measure performance. Emphasis is placed on integrative topics essential for managers in all disciplines, such as supply chain management, product development, and capacity planning. This course will guide students in analyzing processes, managing quality for both services and products, and measuring performance while creating value along the supply chain in a global environment. Topics include forecasting, product and service design, process design and location analysis, capacity planning, management of quality and quality control, inventory management, scheduling, supply chain management, and performance measurement.

**C721 - Change Management** - Change Management provides an understanding of change and an overview of successfully managing change using various methods and tools. Emphasizing change theories and various best practices, this course covers how to recognize and implement change using an array of other effective strategies, including those related to innovation and leadership. Other topics include approaches to change, diagnosing and planning for change, implementing change, and sustaining change.

**C722 - Project Management** - Project Management prepares students to manage projects from start to finish within any organizational structure. The course presents a view into different project management methods and delves into topics such as project profiling and phases, constraints, building the project team, scheduling, and risk. This course helps students grasp the full scope of future projects and apply the proper management approaches to complete a project. This course features practice in each of the project phases as students learn to strategically apply project management tools and techniques to help organizations achieve their goals.

**C723 - Quantitative Analysis For Business** - Quantitative Analysis for Business explores various decision-making models, including expected value models, linear programming models, and inventory models. This course helps student learn to analyze data by using a variety of analytic tools and techniques to make better business decisions. In addition, it covers developing project schedules using the Critical Path Method. Other topics include calculating and evaluating formulas, measures of uncertainty, crash costs, and visual representation of decision-making models using electronic spreadsheets and graphs. This course has no prerequisites.

**C724 - Information Systems Management** - Information Systems Management provides an overview of many facets of information systems applicable to business. The course explores the importance of viewing information technology (IT) as an organizational resource that must be managed, so that it supports or enables organizational strategy.

**C725 - Information Security and Assurance** - Information Security and Assurance explores the many facets of the information security landscape. Recognizing that there are no universal solutions to issues related to information security and assurance, this course covers the durable security principles that help to drive sound decisions. Additionally, this course introduces well-accepted risk management principles that help to appropriately secure information assets. Finally, the course illustrates how a comprehensive library of policies, standards, and procedures are used to secure assets and provide the required levels of regulatory compliance. There are no prerequisites for this course.

**C726 - Cybersecurity Architecture and Engineering** - Cybersecurity Architecture and Engineering prepares students to implement and manage security engineering tasks and processes using secure design principles grounded in positive security engineering. It covers the fundamental concepts of confidentiality and integrity security models along with applied cryptography for implementation of these models. Additionally, this course helps students assess and mitigate vulnerabilities found in security designs, architectures, and solutions. Finally, this course introduces techniques to design and implement physical security controls for data centers and other large implementations of IT. There are no prerequisites for this course.

**C727 - Cybersecurity Management I - Strategic** - Cybersecurity Management I - Strategic focuses on the strategic and long-term alignment of an organization's information security program to regulators and ensures that it is appropriate for the company culture and management organization. This course introduces the Basel Committee's four lines of defense model to appropriately implement separation of duties and information security roles and structures. Additionally, this course covers big-picture items (e.g., how risk management will be performed institutionally and how compliance to information security requirements will be managed). Finally, this course helps students apply strategic decision making as companies adapt to new technologies, processes, and people practices related to processing, managing, and protecting information resources.

**C728 - Secondary Disciplinary Literacy** - Secondary Disciplinary Literacy examines teaching strategies designed to help learners in middle and high school improve upon the literacy skills required to read, write, and think critically while engaging content in different academic disciplines. Themes include exploring how language structures, text features, vocabulary, and context influence reading comprehension across the curriculum. The course highlights strategies and tools designed to help teachers assess the reading comprehension and writing proficiency of learners and provides strategies to support students' reading and writing success in all curriculum areas. This course has no prerequisites.

**C730 - Secondary Reading Instruction and Interventions** - Secondary Reading Instruction and Interventions explores the comprehensive, student-centered response to intervention (RTI) model used to identify and address the needs of learners in middle school and high school who struggle with reading comprehension and/or information retention. Course content provides educators with effective strategies designed to scaffold instruction and help learners develop increased skill in the following areas: reading, vocabulary, text structures and genres, and logical reasoning related to the academic disciplines. This course is designed to be taken after successful completion of the Introduction to Curriculum, Instruction, and Assessment course OR Introduction to Instructional Planning and Presentation AND Instructional Planning and Presentation in Special Education.

**C732 - Elementary Disciplinary Literacy** - Elementary Disciplinary Literacy examines teaching strategies designed to help learners in grades K–6 develop the literacy skills necessary to read, write, and think critically while engaging content in different academic disciplines. Course content highlights strategies to help learners distinguish between the unique characteristics of informational texts while improving comprehension and writing proficiency across the curriculum. Strategies to encourage inquiry and cultivate skills in critical thinking, collaboration, and creativity also are addressed. This course is designed to be taken after successful completion of Introduction to Curriculum, Instruction, and Assessment OR Introduction to Instructional Planning and Presentation AND Instructional Planning and Presentation in Elementary or Special Education.

**C736 - Evolution** - Students will learn why evolution is the fundamental concept that underlies all life sciences and how it contributes to advances in medicine, public health, and conservation. Course participants will gain a firm understanding of the basic mechanisms of evolution, including the process of speciation, and how these systems have given rise to the great diversity of life in the world today. They will also explore how new ideas, discoveries, and technologies are modifying prior evolutionary concepts. Ultimately, the course will explain how evolution works and how we know what we know.

**C737 - Evolution** - This course addresses why evolution is the fundamental concept that underlies all life sciences and how it contributes to advances in medicine, public health, and conservation. This course helps participants gain a firm understanding of the basic mechanisms of evolution including the process of speciation and how these systems have given rise to the great diversity of life in the world today. This course also explore how new ideas, discoveries, and technologies are modifying prior evolutionary concepts. Ultimately, the course will explain how evolution works and how we know what we know.

**C738 - Space, Time and Motion** - Throughout history, humans have grappled with questions about the origin, workings, and behavior of the universe. This seminar begins with a quick tour of discovery and exploration in physics, from the ancient Greek philosophers on to Galileo Galilei, Isaac Newton, and Albert Einstein. Einstein's work then serves as the departure point for a detailed look at the properties of motion, time, space, matter, and energy. The course considers Einstein's special theory of relativity, his photon hypothesis, wave-particle duality, his general theory of relativity and its implications for astrophysics and cosmology, as well as his three-decade quest for a unified field theory. It also looks at Einstein as a social and political figure and his contributions as a social and political force. Scientist-authored essays, online interaction, videos, and web resources enable learners to trace this historic path of discovery and explore implications of technology for society, energy production in stars, black holes, the big bang, and the role of the scientist in modern society.

**C739 - Space, Time and Motion** - This course begins with a quick tour of discovery and exploration in physics, from the ancient Greek philosophers on to Galileo Galilei, Isaac Newton, and Albert Einstein. Einstein's work then serves as the departure point for a detailed look at the properties of motion, time, space, matter, and energy. The course considers Einstein's special theory of relativity, his photon hypothesis, wave-particle duality, his general theory of relativity and its implications for astrophysics and cosmology, as well as his three-decade quest for a unified field theory. It also looks at Einstein as a social and political figure and his contributions as a social and political force. Scientist-authored essays, online interaction, videos, and web resources enable learners to trace this historic path of discovery and explore implications of technology for society, energy production in stars, black holes, the Big Bang, and the role of the scientist in modern society.

**C749 - Introduction to Data Science** - This course introduces the data analysis process and common statistical techniques necessary for the analysis of data. Students will ask questions that can be solved with a given data set, set up experiments, use statistics and data wrangling to test hypotheses, find ways to speed up their data analysis code, make their data set easier to access, and communicate their findings.

**C751 - Data Analysis with R** - This course focuses on exploratory data analysis (EDA) utilizing R. EDA is an approach for summarizing and visualizing the important characteristics of a data set. Exploratory data analysis focuses on exploring data to understand the data's underlying structure and variables to develop intuition about the data set, to consider how that data set came into existence, and to decide how it can be investigated with more formal statistical methods.

**C753 - Machine Learning** - Course Description This course presents the end-to-end process of investigating data through a machine learning lens. Topics covered include techniques for extracting data, identifying useful features that best represent data, a survey of commonly-used machine learning algorithms, and methods for evaluating the performance of machine learning algorithms.

**C756 - Data Analytics** - This course covers the most common tools, techniques, and procedures involved in data analytics. Students will review all the disciplines involved with data analytics learned in previous courses and get a better understanding of how they all relate to one another.

**C768 - Technical Communication** - This course covers basic elements of technical communication, including professional written communication proficiency; the ability to strategize approaches for differing audiences; and technical style, grammar, and syntax proficiency.

**C769 - IT Capstone Written Project** - The capstone project consists of a technical work proposal, the proposal's implementation, and a post-implementation report that describes the graduate's experience in developing and implementing the capstone project. The capstone project should be presented and approved by the course instructor in relation to the graduate's technical emphasis.

**C773 - User Interface Design** - This course covers tools and techniques employed in user interface design, including web and mobile applications. Concepts of clarity, usability, and detectability are included in this course, as well as other design elements such as color schemes, typography, and layout. Techniques like wireframing, usability testing, and SEO optimization are also covered.

**C777 - Web Development Applications** - This course builds upon a student's manual coding skills by teaching how to develop web documents and pages using the web development trifecta: Hypertext Markup Language version 5 (HTML5), Cascading Style Sheets version 3 (CSS3), and JavaScript. Students will utilize the skills learned in this course to create web documents and pages that easily adapt to display on both traditional and mobile devices. In addition, students will learn techniques for code validation and testing, form creation, inline form field validation, and mobile design for browsers and apps, including Responsive Web Design (RWD).



**C779 - Web Development Foundations** - This course introduces students to web design and development by presenting them with HTML5 and Cascading Style Sheets (CSS), the foundational languages of the web, by reviewing media strategies and by using tools and techniques commonly employed in web development.

**C783 - Project Management** - Project Management is a thorough exploration of the inputs, tools, techniques, and outputs across the five process groups and 10 knowledge areas identified in the Project Management Body of Knowledge (PMBOK) Guide. The essential concepts and practical scenarios included enable students to build the competencies required to successfully complete the CAPM certification exam. There is no prerequisite for this course.

**C784 - Applied Healthcare Statistics** - Applied Healthcare Probability and Statistics is designed to help develop competence in the fundamental concepts of basic mathematics, introductory algebra, and statistics and probability. These concepts include basic arithmetic with fractions and signed numbers; introductory algebra and graphing; descriptive statistics; regression and correlation; and probability. Statistical data and probability are now commonplace in the healthcare field. This course will help candidates make informed decisions about which studies and results are valid, which are not, and how those results affect your decisions. This course will give candidates background in what constitutes sound research design and how to appropriately model phenomena using statistical data. Additionally, this course guides candidates in calculating simple probabilities based on events which occur in the healthcare profession. This course will prepare candidates for studies at WGU, as well as in the healthcare profession.

**C785 - Biochemistry** - Biochemistry covers the structure and function of the four major polymers produced by living organisms. The four major polymers include nucleic acids, proteins, carbohydrates, and lipids. This course focuses on application. It will help you understand the underlying biochemistry in order to grasp how it is applied. Through its successful completion, this course will teach you to gain an introductory understanding of the chemicals and reactions that sustain life. Biochemistry will also help you begin to see the importance of this subject matter to health.

**C787 - Health and Wellness Through Nutritional Science** - Nutritional ignorance or misunderstandings are at the root of the health problems that most Americans face today. Nurses need to be armed with the most current information available about nutrition science, including how to understand nutritional content of food; implications of exercise and activity on food consumption and weight management, and management of community or population specific nutritional challenges. The Health and Wellness Through Nutritional Science course should prepare nurses to provide support, guidance, and teaching about incorporation of sound nutritional principles into daily life for health promotion. This course covers nutrition to support wellness; healthy nutritional choices; nutrition and physical activity; nutrition through the lifecycle; safety and security of food; and nutrition and global health environments.

**C790 - Foundations in Nursing Informatics** - This course addresses the integration of technology to improve and support nursing practice. It provides nurses with a foundational understanding of nursing informatics theory, practice, and applications. Topics include the role of nursing in informatics; use of computer technology for clinical documentation, communication, and workflows; problem identification; project implementation; and best practices.

**C792 - Data Modeling and Database Management Systems** - This graduate course is designed to engage the student in planning, analyzing, and designing a relational database management system (DBMS) for use by nurse administrators, clinicians, educators, and informaticists. This experience will provide the knowledge needed to advocate for nursing informatics needs within the field of healthcare.

**C795 - Cybersecurity Management II - Tactical** - Cybersecurity Management II - Tactical provides students the opportunity to examine tactical cybersecurity management, which is the practice of addressing near-term cybersecurity goals within an enterprise. The tactical management process enables organizations to address unique cyber requirements throughout the organization. It deals with the people, processes, and technologies that are in use, and it primarily centers on the current operations of the enterprise. A range of cybersecurity tactical management topics are introduced in this course, including the tools, techniques, and concepts used to develop an effective cybersecurity program within organizations.

**C796 - Cybersecurity Graduate Capstone** - The Master of Science in Cybersecurity and Information Assurance (MSCSIA) Capstone project allows students to demonstrate their capability to establish a durable cybersecurity and information assurance program. The capstone project challenges students to integrate skills and knowledge from all program domains into one project that deals with a significant real-world cybersecurity problem.

**C797 - Data Science and Analytics** - This course addresses the interdisciplinary and emerging field of data science in healthcare. Candidates learn to combine tools and techniques from statistics, computer science, data visualization, and the social sciences to solve problems using data. Topics include data analysis; database management; inferential and descriptive statistics; statistical inference; and process improvement.

**C798 - Informatics System Analysis and Design** - In Informatics System Analysis and Design, a broad understanding of data systems is covered to build upon the Foundations in Nursing Informatics course. The importance of effective interoperability, functionality, data access, and user satisfaction are addressed. The student will be analyzing reports and integrating federal regulations, research principles, and principles of environmental health in the construction of a real-world systems analysis and design project. This course will be directly applicable to healthcare settings as electronic records management has become compulsory for healthcare providers. All of the information in this course will be directly tied to the delivery of quality patient care and patient safety. Foundations in Nursing Informatics is recommended as a prerequisite.

**C799 - Healthcare Ecosystems** - Healthcare Ecosystems explores the history and state of healthcare organizations in an ever-changing environment. This course covers how agencies influence healthcare delivery through legal, licensure, certification, and accreditation standards. The course will also discuss how new technologies and trends keep healthcare delivery innovative and current.

**C801 - Health Information Law and Regulations** - Health Information Law and Regulations prepares students to manage health information in compliance with legal guidelines and teaches how to respond to questions and challenges when legal issues occur. This course presents the types of situations occurring in health information management that could result in ethical dilemmas and establishes a foundation for work based on legal and ethical guidelines.

**C802 - Foundations in Healthcare Information Management** - Foundations in Healthcare Information Management applies theories from business, IT, management, medicine, and consumer-centered healthcare skills. Students will learn to evaluate and analyze health information systems for implementation in health information management. There are no prerequisites for this course.

**C803 - Data Analytics and Information Governance** - Data Analytics and Information Governance explores the structure, methods, and approaches for using health information in the healthcare industry. By focusing on quality data collection, analytics, and industry regulations, students will examine tools that ensure quality data collection as well as to use data to improve quality of care. This course has no prerequisites.

**C804 - Medical Terminology** - Medical Terminology focuses on the basic components of medical terminology and how terminology is used when discussing various body structures and systems. Proper use of medical terminology is critical for accurate and clear communication among medical staff, health professionals, and patients. In addition to the systems of the body, this course will discuss immunity, infections, mental health, and cancer.

**C805 - Pathophysiology** - Pathophysiology is an overview of the pathology and treatment of diseases in the human body and its systems. This course will explain the processes in the body that result in the signs and symptoms of disease, as well as therapeutic procedures in managing or curing the disease. The content draws on a knowledge of anatomy and physiology to understand how diseases manifest themselves and how they affect the body.

**C806 - Introduction to Pharmacology** - Introduction to Pharmacology provides information about drug development and approvals, pharmaceutical classifications, metabolism, and the effect of drugs on body systems. The course will introduce advancements in pharmaceutical technology, regulatory requirements within electronic health record systems, and the financial implications of pharmaceutical coding and billing. This course has no prerequisites.

**C807 - Healthcare Compliance** - Healthcare Compliance examines the role of the coding professional within healthcare information management. The course covers compliance plans, issues that arise with noncompliance, and management of internal and external audits.

**C808 - Classification Systems** - Classification Systems provides a comprehensive approach to learning about medical coding classification, coding audits, and quality standards. Candidates will be exposed to electronic health record systems and leadership principles as they relate to management of ICD and CPT codes. There are no prerequisites for this course.

**C810 - Foundations in Healthcare Data Management** - Foundations in Healthcare Data Management introduces students to the concepts and terminology used in health data and health information management. This course teaches students how to apply data management and governance principles in the healthcare environment. The student will learn about electronic health records (EHR), legal considerations, information governance, data management, health information management (HIM), and secondary data sources. In addition to the e-text and numerous additional articles and video resources, the student will engage with case studies and knowledge checks to assist with learning. There are no prerequisites for this course.

**C811 - Healthcare Financial Resource Management** - Healthcare Financial Resource Management examines financial practices within healthcare industries to promote effective management at department and organization levels. Focusing on financial processes associated with facility operations in the healthcare field, this course will analyze the impact of strategic financial planning and regulatory control processes. This course has no prerequisites.

**C812 - Healthcare Reimbursement** - Healthcare Reimbursement explores financial practices within the healthcare industry as they relate to reimbursement policies. This course identifies how reimbursement systems impact the revenue cycle and a health information manager's role. This course has no prerequisites.

**C813 - Healthcare Statistics and Research** - Healthcare Statistics and Research explores the use of statistical data to support process improvement through health information research. Health information management (HIM) professionals use information systems to gather, analyze, and present data in response to administrative and clinical needs. This course has no prerequisites.

**C815 - Quality and Performance Management and Methods** - Quality and Performance Management and Methods examines quality initiatives within healthcare. Quality issues cover human resource management, employee performance, and patient safety. This course focuses on quality improvement initiatives and performance improvement with the health information management perspective.

**C816 - Healthcare System Applications** - Healthcare System Applications introduces students to information systems. This course includes important topics related to management of information systems (MIS), such as system development and business continuity. The course also provides an overview of management tools and issue tracking systems. This course has no prerequisites.

**C820 - Professional Leadership and Communication for Healthcare** - The Professional Communication and Leadership in Healthcare course is designed to help students prepare for success in the online environment at Western Governors University and beyond. Student success starts with the social support and self-reflective awareness that will prepare students to weather the challenges of academic programs. In this course students will participate in group activities and complete several individual assignments. The group activities are aimed at finding support and gaining insight from other students. The assignments are intended to give the student an opportunity to reflect about where they are and where they would like to be. The activities in each group meeting are designed to give students several tools they can use to achieve success. This course is designed as a five-part intensive learning experience. Students will attend five group meetings during the term. At each meeting students will engage in activities that help them understand their own educational journey and find support and inspiration in the journey of others.

**C825 - Introduction to Nursing Arts and Science** - Introduction to Nursing Arts and Science is an introduction to the nursing process as well as fundamental concepts of nursing practice. This course includes a skills lab requiring physical presence (two on-site days) and completion of a nursing skills assessment (one on-site day). Successful completion of this course in the pre-nursing term (BSPRN) is a requirement for consideration for matriculation into the remaining terms (BSRN).

**C826 - Community Health and Population-Focused Nursing** - Community Health and Population-Focused Nursing will assist students in becoming familiar with foundational theories and models of health promotion applicable to the community health nursing environment. Students will develop an understanding of how policies and resources influence the health of populations. Focus is concentrated on the importance of a community assessment to improve or resolve a community health issue. Students will be introduced to the relationships between cultures and communities and the steps necessary to create community collaboration with the goal to improve or resolve community health issues in a variety of settings. Students will gain a greater understanding of health systems in the United States, global health issues, quality-of-life issues, cultural influences, community collaboration, and emergency preparedness.

**C832 - Chemistry with Lab** - Chemistry with Lab for undergraduates provides students seeking initial teacher licensure in middle grades science or secondary physics, biological science, or earth science with an introduction to the field of chemistry, the branch of science that studies the composition, structure, properties, and behavior of matter. Designed for those not majoring in chemistry education, this course highlights how the topics covered can be applied within various branches of science. This course provides students with opportunities to examine the electronic structure of atoms, study periodic trends, name chemical compounds, write chemical formulas, determine the structure of molecules, balance chemical reactions, and discover the changing states of matter. Laboratory experiences facilitate the study of matter and the application of laboratory safety and maintenance procedures. Concepts in Science for undergraduates is a prerequisite for this course.

**C833 - Chemistry with Lab** - Chemistry with Lab for graduates provides already licensed teachers seeking an additional license or endorsement in middle grades science or secondary physics, biological science, or earth science with an introduction to the field of chemistry. Designed for those not majoring in chemistry education, this course highlights how the topics covered can be applied within various branches of science. This course provides students with opportunities to examine the electronic structure of atoms, study periodic trends, name chemical compounds, write chemical formulas, determine the structure of molecules, balance chemical reactions, and discover the changing states of matter. Laboratory experiences facilitate the study of matter and the application of laboratory safety and maintenance procedures. Concepts in Science for graduates is a prerequisite for this course.

**C836 - Fundamentals of Information Security** - This course lays the foundation for understanding terminology, principles, processes and best practices of information security at local and global levels. It further provides an overview of basic security vulnerabilities and countermeasures for protecting information assets through planning and administrative controls within an organization.

**C838 - Managing Cloud Security** - Managing Cloud Security will prepare students to design solutions for cloud-based platforms and operations that maintain data availability while protecting the confidentiality and integrity of information. Many of today's companies and organizations have outsourced data management, availability, and operational processes through cloud computing. Topics include security controls, disaster recovery plans, and continuity management plans that address physical, logical, and human factors. It is recommended that the following courses be completed before attempting this course: Networks and IT Applications.

**C839 - Introduction to Cryptography** - Introduction to Cryptography provides students with knowledge of cryptographic algorithms, protocols, and their uses in the protection of information in various states. This course has no prerequisites.

**C840 - Digital Forensics in Cybersecurity** - Digital forensics, the science of investigating cybercrimes, seeks evidence that reveals who, what, when, where, and how threats compromise information. This course examines the relationships between incident categories, evidence handling, and incident management. Students identify consequences associated with cyber threats and security laws using a variety of tools to recognize and recover from unauthorized, malicious activities.

**C841 - Legal Issues in Information Security** - Security information professionals have the role and responsibility for knowing and applying ethical and legal principles and processes that define specific needs and demands to assure data integrity within an organization. This course addresses the laws, regulations, authorities, and directives that inform the development of operational policies, best practices, and training to assure legal compliance and to minimize internal and external threats. Students analyze legal constraints and liability concerns that threaten information security within an organization and develop disaster recovery plans to assure business continuity.

**C842 - Cyber Defense and Countermeasures** - Traditional defenses—such as firewalls, security protocols, and encryption—sometimes fail to stop attackers determined to access and compromise data. This course provides the fundamental skills to handle and respond to computer security incidents in an information system. The course addresses various underlying principles and techniques for detecting and responding to current and emerging computer security threats. Students learn how to leverage intelligence and threat detection techniques; analyze and interpret data; identify and address vulnerabilities; suggest preventative measures; effectively respond to and recover from incidents; and handle various types of incidents, risk assessment methodologies, and various laws and policies related to incident handling. This course prepares students for the CompTIA Cybersecurity Analyst (CySA+) certification exam. The following courses are prerequisites: Networks and Network and Security - Applications.

**C843 - Managing Information Security** - This course expands on fundamentals of information security by providing an in-depth analysis of the relationship between an information security program and broader business goals and objectives. Students develop knowledge and experience in the development and management of an information security program essential to ongoing education, career progression, and value delivery to enterprises. Students apply best practices to develop an information security governance framework, analyze mitigation in the context of compliance requirements, align security programs with security strategies and best practices, and recommend procedures for managing security strategies that minimize risk to an organization.

**C844 - Emerging Technologies in Cybersecurity** - The continual evolution of technology means that cybersecurity professionals must be able to analyze and evaluate new technologies in information security such as wireless, mobile, and internet technologies. Students review the adoption process that prepares an organization for the risks and challenges of implementing new technologies. This course focuses on comparison of evolving technologies to address the security requirements of an organization. Students learn underlying principles critical to the operation of secure networks and adoption of new technologies.

**C845 - Information Systems Security** - IT security professionals must be prepared for the operational demands and responsibilities of security practitioners including authentication, security testing, intrusion detection and prevention, incident response and recovery, attacks and countermeasures, cryptography, and malicious code countermeasures. This course provides a comprehensive, up-to-date global body of knowledge that ensures students have the right information, security knowledge, and skills to be successful in IT operational roles to mitigate security concerns and guard against the impact of malicious activity. Students demonstrate how to manage and restrict access control systems; administer policies, procedures, and guidelines that are ethical and compliant with laws and regulations; implement risk management and incident handling processes; execute cryptographic systems to protect data; manage network security; and analyze common attack vectors and countermeasures to assure information integrity and confidentiality in various systems. This course prepares students for the Systems Security Certified Practitioner (ISC2 SSCP) certification exam.

**C846 - Business of IT - Applications** - Business of IT—Applications examines Information Technology Infrastructure Library (ITIL®) terminology, structure, policies, and concepts. Focusing on the management of information technology (IT) infrastructure, development, and operations, students will explore the core principles of ITIL practices for service management to prepare them for careers as IT professionals, business managers, and business process owners. This course has no prerequisites. This course prepares students for the Axelos ITIL v4 certification exam.

**C850 - Emerging Technologies** - The Emerging Technologies course examines emerging technologies, identifies the benefits and drawbacks of technology adoption, and provides students with a process to evaluate technologies. The course will examine three technologies that may have an impact on Information Technology services in the coming years.

**C853 - Teacher Performance Assessment in English** - The Teacher Performance Assessment course is a culmination of the wide variety of skills learned during a student's time in the Teachers College at WGU. In order to be a competent and independent classroom teacher, students will showcase a collection of their content, planning, instructional, and reflective skills.

**C854 - Nursing Informatics Field Experience** - Nursing Informatics Field Experience requires students to complete clinical/practice experiences while engaging in authentic activities relevant to the role of an informatics nurse. To help students develop competency in this area, this course gives students opportunities to apply methods and solutions to support clinical decisions. They will be prepared to improve health outcomes by analyzing an existing health information system to determine the need for a system optimization that will improve an organization's ability to measure and report Triple Aim objectives. All MSN Core and Specialty courses, with the exclusion of the Capstone course, are prerequisites to this course and must be completed before taking this course.

**C855 - Nursing Informatics Capstone** - Nursing Informatics Capstone requires students to complete clinical/practice experiences (CPE) and finalize their system optimization proposal paper, which addresses the Institute of Health's Triple Aim initiative. During this course, students will plan the final phase of their system development life cycle (SDLC), which consists of proposing the processes, methods, and tasks for monitoring, maintaining, supporting, and evaluating their system optimization. The knowledge and skills that students acquire during the CPE in this course will prepare them to complete their system optimization proposal paper. This is a culminating course that provides students an opportunity to demonstrate the competencies acquired during this program. All MSN Core and Specialty courses, including the Field Experience course, are prerequisites to this course and must be completed before taking this course.

**C856 - User Experience Design** - User Experience Design explores multiple tools and techniques used in user experience design. Students are presented with an in-depth view of activities involved in the design of user experience and have the opportunity to create several deliverables, including persona profiles, information architectures, and prototypes of different levels of fidelity. In addition, the course also covers usability testing and the evaluation of quantitative and qualitative data derived from these and other experiments.

**C857 - Software Quality Assurance** - Software Quality Assurance applies a QA focus to every phase of the software development life cycle. This course investigates best practices for quality analysis, quality planning, and testing strategies as they pertain to the everyday practice of software development. Students will come to understand how their work fits into the bigger picture: how QA, testing, and code-writing practices interact within specific process models; the potential impact of new code on existing code or on other applications; the importance of usability and the influence users have on the ultimate success of an application. Students will explore test plans, test cases, unit tests, integration tests, regression tests, usability tests, and test and review tools.

**C859 - Introduction to Programming in Python** - Introduction to Programming in Python provides the fundamentals of the Python language and its features to control program flow and to manipulate data sets. This course teaches how to develop Python scripts that extract and manipulate data from unstructured data sources. Python libraries including acquisition and configuration are also covered. Scripting and Programming Foundations and Web Development Foundations are prerequisites to this course.

**C867 - Scripting and Programming - Applications** - Scripting and Programming - Applications for undergraduates explores the various aspects of the C++ programming language by examining its syntax, the development environment, and tools and techniques to solve some real-world problems.

**C868 - Software Development Capstone** - The capstone assessment challenges students to demonstrate mastery of all the BSITSW program outcomes. Students will develop a software application to solve a problem of their choice constrained only by the technology requirements provided in the assessment DRF.

**C870 - Human Anatomy and Physiology** - This course examines the structures and functions of the human body and covers anatomical terminology, cells and tissues, and organ systems. Students will study the healthy state of the organ systems of the human body, including the digestive, skeletal, sensory, respiratory, reproductive, nervous, muscular, cardiovascular, lymphatic, integumentary, endocrine, and renal systems. There are no prerequisites for this course.

**C871 - MA, Science Education Teacher Performance Assessment** - MA, Science Education Teacher Performance Assessment contains a comprehensive, original, research-based curriculum unit designed to meet an identified educational need. It provides direct evidence of the candidate's ability to design and implement a multi-week, standards-based unit of instruction, assess student learning, and then reflect on the learning process. The WGU Teacher Performance Assessment requires students to plan and teach a multi-week standards-based instructional unit consisting of seven components: 1) contextual factors, 2) learning goals, 3) assessment, 4) design for instruction, 5) instructional decision-making, 6) analysis of student learning, and 7) self-evaluation and reflection.

**C873 - Teacher Performance Assessment in Elementary Education** - The Teacher Performance Assessment course is a culmination of the wide variety of skills learned during your time in the Teachers College at WGU. In order to be a competent and independent classroom teacher, you will showcase a collection of your content, planning, instructional, and reflective skills in this professional assessment.

**C874 - MA, Mathematics Education (5-12) Teacher Performance Assessment** - MA, Mathematics Education (5-12) Teacher Performance Assessment contains a comprehensive, original, research based curriculum unit designed to meet an identified educational need. It provides direct evidence of the candidate's ability to design and implement a multi-week, standards-based unit of instruction, assess student learning, and then reflect on the learning process. The WGU Teacher Performance Assessment requires students to plan and teach a multi-week standards-based instructional unit consisting of seven components: 1) Contextual factors, 2) learning goals, 3) assessment, 4) design for instruction, 5) instructional decision making, 6) analysis of student learning, and 7) self-evaluation and reflection.

**C875 - Human Anatomy and Physiology** - This course examines the structures and functions of the human body and covers anatomical terminology, cells and tissues, and organ systems. Students will study the healthy state of the organ systems of the human body, including the digestive, skeletal, sensory, respiratory, reproductive, nervous, muscular, cardiovascular, lymphatic, integumentary, endocrine, and renal systems. There are no prerequisites for this course.

**C876 - Conceptual Physics** - Conceptual Physics provides a broad, conceptual overview of the main principles of physics, including mechanics, thermodynamics, wave motion, modern physics, and electricity and magnetism. Problem-solving activities and laboratory experiments provide students with opportunities to apply these main principles, creating a strong foundation for future studies in physics. There are no prerequisites for this course.

**C877 - Mathematical Modeling and Applications** - Mathematical Modeling and Applications applies mathematics, such as differential equations, discrete structures, and statistics to formulate models and solve real-world problems. This course emphasizes improving students' critical thinking to help them understand the process and application of mathematical modeling. Probability and Statistics II and Calculus II are prerequisites.

**C878 - Mathematical Modeling and Applications** - Mathematical Modeling and Applications applies mathematics, such as differential equations, discrete structures, and statistics to formulate models and solve real-world problems. This course emphasizes improving students' critical thinking to help them understand the process and application of mathematical modeling. Probability and Statistics II and Calculus II are prerequisites.

**C879 - Algebra for Secondary Mathematics Teaching** - Algebra for Secondary Mathematics Teaching explores important conceptual underpinnings, common student misconceptions and ways of thinking, appropriate use of technology, and instructional practices to support and assess the learning of algebra. Secondary teachers should have an understanding of the following: algebra as an extension of number, operation, and quantity; various ideas of equivalence pertaining to algebraic structures; patterns of change as covariation between quantities; connections between representations (tables, graphs, equations, geometric models, context); and the historical development of content and perspectives from diverse cultures. In particular, this course focuses on deeper understanding of rational numbers, ratios and proportions, meaning and use of variables, functions (e.g., exponential, logarithmic, polynomials, rational, quadratic), and inverses. Calculus I is a prerequisite for this course.

**C880 - Algebra for Secondary Mathematics Teaching** - Algebra for Secondary Mathematics Teaching explores important conceptual underpinnings, common misconceptions and students' ways of thinking, appropriate use of technology, and instructional practices to support and assess the learning of algebra. Secondary teachers should have an understanding of the following: algebra as an extension of number, operation, and quantity; various ideas of equivalence as it pertains to algebraic structures; patterns of change as covariation between quantities; connections between representations (tables, graphs, equations, geometric models, context); and the historical development of content and perspectives from diverse cultures. In particular, the course focuses on deeper understanding of rational numbers, ratios and proportions, meaning and use of variables, functions (e.g., exponential, logarithmic, polynomials, rational, quadratic), and inverses. Calculus I is a prerequisite for this course.

**C881 - Geometry for Secondary Mathematics Teaching** - Geometry for Secondary Mathematics Teaching explores important conceptual underpinnings, common misconceptions and students' ways of thinking, appropriate use of technology, and instructional practices to support and assess the learning of geometry. Secondary teachers in this course will develop a deep understanding of constructions and transformations, congruence and similarity, analytic geometry, solid geometry, conics, trigonometry, and the historical development of content. Calculus I and College Geometry are prerequisites for this course. Calculus I and College Geometry are prerequisites for this course.

**C882 - Geometry for Secondary Mathematics Teaching** - Geometry for Secondary Mathematics Teaching explores important conceptual underpinnings, common student misconceptions and ways of thinking, appropriate use of technology, and instructional practices to support and assess the learning of geometry. Students in this course will develop a deep understanding of constructions and transformations, congruence and similarity, analytic geometry, solid geometry, conics, trigonometry, and the historical development of content. Calculus I is a prerequisite for this course.

**C883 - Statistics and Probability for Secondary Mathematics Teaching** - Statistics and Probability for Secondary Mathematics Teaching explores important conceptual underpinnings, common misconceptions and students' ways of thinking, appropriate use of technology, and instructional practices to support and assess the learning of statistics and probability. Secondary teachers should have a deep understanding of summarizing and representing data, study design and sampling, probability, testing claims and drawing conclusions, and the historical development of content and perspectives from diverse cultures. Calculus I and Probability and Statistics I and II are prerequisites for this course.

**C884 - Statistics and Probability for Secondary Mathematics Teaching** - Statistics and Probability for Secondary Mathematics Teaching explores important conceptual underpinnings, common misconceptions and students' ways of thinking, appropriate use of technology, and instructional practices to support and assess the learning of statistics and probability. Secondary teachers should have a deep understanding of summarizing and representing data, study design and sampling, probability, testing claims and drawing conclusions, and the historical development of content and perspectives from diverse cultures. Calculus I is a prerequisite for this course.

**C885 - Advanced Calculus** - Advanced Calculus examines rigorous reconsideration and proofs involving calculus. Topics include real-number systems, sequences, limits, continuity, differentiation, and integration. This course emphasizes using critical thinking to analyze the connections between definitions and properties. Calculus III and Linear Algebra are prerequisites.

**C886 - Advanced Calculus** - Advanced Calculus examines rigorous reconsideration and proofs involving calculus. Topics include real-number systems, sequences, limits, continuity, differentiation, and integration. This course emphasizes students' ability to apply critical thinking to concepts to analyze the connections between definitions and properties. Calculus III and Linear Algebra are prerequisites.

**C887 - MA, Mathematics Education (5-9) Teacher Performance Assessment** - MA, Mathematics Education (5-9) Teacher Performance Assessment contains a comprehensive, original, research based curriculum unit designed to meet an identified educational need. It provides direct evidence of the candidate's ability to design and implement a multi-week, standards-based unit of instruction, assess student learning, and then reflect on the learning process. The WGU Teacher Performance Assessment requires students to plan and teach a multi-week standards-based instructional unit consisting of seven components: 1) contextual factors, 2) learning goals, 3) assessment, 4) design for instruction, 5) instructional decision making, 6) analysis of student learning, and 7) self-evaluation and reflection.

**C888 - Molecular and Cellular Biology** - Molecular and Cellular Biology provides undergraduate students seeking initial licensure or endorsement in secondary science education with an introduction to the area of molecular and cellular biology. This course examines the cell as an organism, emphasizing the molecular basis of cell structure and functions of biological macromolecules, subcellular organelles, intracellular transport, cell division, and biological reactions. Introduction to Biology is a prerequisite for this course.

**C889 - Molecular and Cellular Biology** - Molecular and Cellular Biology provides graduate students seeking initial licensure or endorsement and/or to earn their MA degree in secondary science education with an introduction to the area of molecular and cellular biology. This course examines the cell as an organism emphasizing molecular basis of cell structure and functions of biological macromolecules, subcellular organelles, intracellular transport, cell division, and biological reactions. A prerequisite for this course is Introduction to Biology.

**C890 - Ecology and Environmental Science** - Ecology and Environmental Science is an introductory course for undergraduate students seeking initial licensure or endorsement in secondary or middle grade science education. The course explores the relationships between organisms and their environment, including population ecology, communities, adaptations, distributions, interactions, and the environmental factors controlling these relationships. This course has no prerequisites.

**C891 - Ecology and Environmental Science** - Ecology and Environmental Science is an introductory course for graduate students seeking initial licensure or endorsement and/or to earn their MA degree in secondary or middle grade science education. The course explores the relationships between organisms and their environment, including population ecology, communities, adaptations, distributions, interactions, and the environmental factors controlling these relationships. This course has no prerequisites.

**C892 - Geology II: Earth Systems** - Geology II: Earth Systems provides undergraduate students seeking licensure or endorsement in secondary science education with an examination of the geosphere, atmosphere, hydrosphere, biosphere, and the dynamic equilibrium of these systems over geologic time. This course also examines the history of Earth and its life-forms, with an emphasis in meteorology. Geology I: Physical is a prerequisite for this course.

**C893 - Geology II: Earth Systems** - Geology II: Earth Systems provides graduate students seeking licensure or endorsement and/or to earn their MA degree in secondary science education with an examination of the geosphere, atmosphere, hydrosphere, and biosphere and the dynamic equilibrium of these systems over geologic time. This course also examines the history of Earth and its lifeforms, with an emphasis in meteorology. A prerequisite for this course is Geology I: Physical.

**C894 - Astronomy** - Astronomy provides undergraduate students seeking initial licensure or endorsement in secondary or middle grade science education with essential knowledge of astronomy. It explores Western history and basic physics of astronomy, phases of the moon and seasons, composition and properties of solar system bodies, stellar evolution and remnants, properties and scale of objects and distances within the universe, and introductory cosmology. General Physics is a prerequisite for this course.

**C895 - Astronomy** - Astronomy provides graduate students seeking initial licensure or endorsement and/or to earn their MA degree in secondary or middle grade science education with essential knowledge of astronomy. This course explores Western history and basic physics of astronomy; phases of the moon and seasons; composition and properties of solar system bodies; stellar evolution and remnants; properties and scale of objects and distances within the universe; and introductory cosmology. A prerequisite for this course is General Physics.

**C897 - Mathematics: Content Knowledge** - Mathematics: Content Knowledge is designed to help candidates refine and integrate the mathematics content knowledge and skills necessary to become successful secondary mathematics teachers. A high level of mathematical reasoning skills and the ability to solve problems are necessary to complete this course. Prerequisites for this course are College Geometry, Probability and Statistics I, Pre-Calculus, Calculus I, and Calculus II. Linear Algebra, and Calculus III are recommended.

**C898 - Earth Science: Content Knowledge** - This course covers the advanced content knowledge that a secondary earth science teacher is expected to know and understand. Topics include basic scientific principles of earth and space sciences, tectonics and internal earth processes, earth materials and surface processes, history of the Earth and its life-forms, Earth's atmosphere and hydrosphere, and astronomy.

**C900 - Biology: Content Knowledge** - This comprehensive course examines a student's conceptual understanding of a broad range of biology topics. High school biology teachers must help students make connections between isolated topics. For example, when studying hormones created by endocrine glands traveling through the circulatory system to maintain homeostasis, a student is connecting many biology topics. This course starts with macromolecules that make up cellular components and continues with understanding the many cellular processes that allow life to exist. Connections are then made between genetics and evolution. Classification of organisms leads into plant and animal development that study the organ systems and their role in maintaining homeostasis. The course finishes by studying ecology and how humans affect the environment.

**C901 - Physics: Content Knowledge** - Physics: Content Knowledge covers the advanced content knowledge that a secondary physics teacher is expected to know and understand. Topics include mechanics, electricity and magnetism, optics and waves, heat and thermodynamics, modern physics, atomic and nuclear structure, the history and nature of science, science technology, and social perspectives.

**C902 - Middle School Science: Content Knowledge** - This course covers the content knowledge that a middle-level science teacher is expected to know and understand. Topics include scientific methodologies, history of science, basic science principles, physical sciences, life sciences, earth and space sciences, and the role of science and technology and their impact on society.

**C903 - Middle School Mathematics: Content Knowledge** - Mathematics: Middle School Content Knowledge is designed to help candidates refine and integrate the mathematics content knowledge and skills necessary to become successful middle school mathematics teachers. A high level of mathematical reasoning skills and the ability to solve problems are necessary to complete this course. Prerequisites for this course are College Geometry, Probability and Statistics I, and Pre-Calculus.

**C904 - Teacher Performance Assessment in Science** - The Teacher Performance Assessment in Science course is culmination of the wide variety of skills learned during your time in the Teachers College at WGU. In order to be a competent and independent classroom teacher, you will showcase a collection of your content, planning, instructional, and reflective skills.

**C907 - Introduction to Biology** - This course is a foundational introduction to the biological sciences. This course explores the overarching theories of life from biological research as well as the fundamental concepts and principles of the study of living organisms and their interaction with the environment. Key concepts include how living organisms use and produce energy; how life grows, develops, and reproduces; how life responds to the environment to maintain internal stability; and how life evolves and adapts to the environment.

**C908 - Integrated Physical Sciences** - This course provides students with an overview of the basic principles and unifying ideas of the physical sciences: physics, chemistry, and Earth sciences. Course materials focus on scientific reasoning and practical and everyday applications of physical science concepts to help students integrate conceptual knowledge with practical skills.

**C909 - Elementary Reading Methods and Interventions** - Elementary Reading Methods and Interventions provides candidates with an in-depth look at best practices for developing reading and writing skills. Course content examines the stages of literacy development, balanced literacy approaches, differentiation, technology integration, literacy assessment, and the comprehensive response to intervention (RTI) model used to identify and address the needs of learners who struggle with reading comprehension. This course is designed to be taken after successful completion of Introduction to Curriculum, Instruction, and Assessment OR Introduction to Instructional Planning and Presentation AND Instructional Planning and Presentation in Elementary or Special Education.

**C910 - Elementary Reading Methods and Interventions** - Elementary Reading Methods and Interventions provides students seeking initial teacher licensure in elementary education with an in-depth look at best practices for developing the reading and writing skills of all students. Course content examines the stages of literacy development, the balanced literacy approach, differentiation, technology integration, literacy-assessment, and the comprehensive Response to Intervention (RTI) model used to identify and address the needs of learners who struggle with reading comprehension. This course is designed to be taken after successful completion of Introduction to Curriculum, Instruction, and Assessment OR Instructional Planning and Presentation in Elementary Education.

**C912 - College Algebra** - This course provides further application and analysis of algebraic concepts and functions through mathematical modeling of real-world situations. Topics include real numbers, algebraic expressions, equations and inequalities, graphs and functions, polynomial and rational functions, exponential and logarithmic functions, and systems of linear equations.

**C914 - Teacher Performance Assessment in Mathematics Education** - The Teacher Performance Assessment course is a culmination of the wide variety of skills learned during your time in the Teachers College at WGU. In order to be a competent and independent classroom teacher, you will showcase a collection of your content, planning, instructional, and reflective skills.

**C915 - Chemistry: Content Knowledge** - Chemistry: Content Knowledge provides advanced instruction in the main areas of chemistry for which secondary chemistry teachers are expected to demonstrate competency. Topics include matter and energy; thermochemistry; structure; bonding; reactivity; biochemistry and organic chemistry; solutions; the nature of science, technology, and social perspectives; mathematics, and laboratory procedures.

**C918 - Evolving Roles of Nurse Educators in Diverse Environments** - Evolving Roles of Nurse Educators in Diverse Environments examines the multidimensional roles of a contemporary academic nurse educator. This course explores the roles and responsibilities of the nurse educator as a teacher, leader, change agent, and curriculum innovator. Students will also examine the importance of personal and professional development by developing strategies that promote academic integrity, cultural sensitivity, social justice, and ethical/legal values in diverse environments. The course emphasizes the responsibility of nurse educators to utilize communication, collaboration, and leadership in mitigating challenges in academic nursing education.

**C919 - Facilitation of Context-Based Student-Centered Learning** - Facilitation of Context-Based Student-Centered Learning explores how the nurse educator will incorporate authentic experiences into the creation of course plans that facilitate scholarly inquiry, collaboration, and knowledge acquisition in varied educational environments. Emphasis is placed on innovative, transformational, and experiential teaching and learning strategies to facilitate student development of professional, context-based nursing principles, knowledge, skills, and behavior. Evolving Roles of Nurse Educators in Diverse Environments is a prerequisite to this course.

**C920 - Contemporary Curriculum Design and Development in Nursing Education** - Contemporary Curriculum Design and Development in Nursing Education analyzes the concepts of creating curriculum based on national nursing accreditation standards and instructional design best practices. Nurse educator students will create course content that supports learning in diverse, real-world environments where nurse educators facilitate learning. Instructional design strategies for delivering course content will reflect the mission of academic institution programs, contemporary trends in nursing education, and the needs of key stakeholders in nursing education and practice. Facilitation of Context-Based Student-Centered Learning is a prerequisite to this course.

**C921 - Assessment and Evaluation Strategies for Measuring Student Learning** - Assessment and Evaluation Strategies for Measuring Student Learning addresses the academic nurse educator's role in the design, development, implementation, and evaluation of student achievement outcomes in nursing education programs. This course requires students to integrate best practices from nursing theory and theories of learning to assess student learning in diverse educational settings. Topics include validity, reliability, and practicality of assessments; interpreting item difficulty and discrimination test results; and analyzing student achievement and learning outcomes data. This course has no prerequisites.

**C922 - Emerging Trends and Challenges in 21st Century Nursing Education** - Emerging Trends and Challenges in 21st Century Nursing Education analyzes the emerging trends, technologies, and challenges that academic nurse educators encounter when facilitating learning in diverse healthcare settings. Students will focus on the necessity of interprofessional collaboration and the barriers and facilitators to overcoming the challenges associated with teaching and learning in nursing. Topics include the impact of emerging technology, challenges in nursing practice, and the role of the academic nurse educator as a scholar and a nursing education policy advocate. This course has no prerequisites.

**C925 - Earth: Inside and Out** - Earth: Inside and Out explores the ways in which our dynamic planet evolved and the processes and systems that continue to shape it. Though the geologic record is incredibly ancient, it has only been studied intensely since the end of the nineteenth century. Since then, research in fields such as geologic time, plate tectonics, climate change, exploration of the deep seafloor, and the inner earth have vastly increased our understanding of geological processes. There are no prerequisites for this course.

**C926 - Earth: Inside and Out** - Earth: Inside and Out explores the ways in which our dynamic planet evolved, and the processes and systems that continue to shape it. Though the geologic record is incredibly ancient, it has only been studied intensely since the end of the 19th century. Since then, research in fields such as geologic time, plate tectonics, climate change, exploration of the deep-sea floor, and the inner earth have vastly increased our understanding of geological processes. There are no prerequisites for this course.

**C927 - Managing Technology Operations and Innovation** - Managing Technical Operations and Innovations explores the importance of innovation in the processes of operations management and business competitiveness. From the formulation of tactical operations plans from strategic objectives, IT executives need to create partnerships to drive innovation within an organization. This course provides students with the practical knowledge and understanding of operations management concepts, business models, methods, tools, applications and best practices used by successful organizations to improve their operations. This course has no prerequisites.

**C928 - Financial Management for IT Professionals** - Financial Management for IT Professionals develops learners' skills in financial management, budgeting, and procurement. This course teaches how to leverage financial know-how to improve workplace decision-making. This course also provides learners with the knowledge and skills necessary to spend money on the right projects and right equipment, while aligning operating budgets with strategic initiatives. There are no prerequisites for this course.

**C929 - IT Sourcing and Development in a Global Economy** - IT Sourcing and Development in a Global Economy examines the practice of sourcing and developing global IT projects from a management perspective. In today's organizations, leaders look for efficient and effective ways to deliver goods and services. This course will allow students to explore the strategic, operational, tactical, and security-related impacts on the organization of sourcing and supporting a global IT project. Students will cultivate a deep understanding of the documents, skills, and stakeholders needed for any given project and develop the ability to leverage these elements to achieve success. This course will also explore the ethical, cultural, and regulatory considerations surrounding sourcing and managing IT projects in a global space. There are no prerequisites for this course.

**C930 - Preclinical Experiences in Mathematics** - Preclinical Experiences in Mathematics provides students the opportunity to observe and participate in a wide range of in-classroom teaching experiences in order to develop the skills and confidence necessary to be an effective teacher. Students will reflect on and document the 75 hours of in-classroom observation and experience in their performance assessments. Prior to entering the classroom for the observations, students will be required to meet several requirements including a cleared background check, passing scores on the state or WGU required basic skills exam and a completed resume.

**C931 - Preclinical Experiences in Mathematics** - Preclinical Experiences in Mathematics provides students the opportunity to observe and participate in a wide range of in-classroom teaching experiences in order to develop the skills and confidence necessary to be an effective teacher. Students will reflect on and document the 75 hours of in-classroom observation and experience in their performance assessments. Prior to entering the classroom for the observations, students will be required to meet several requirements including a cleared background check, passing scores on the state or WGU required basic skills exam and a completed resume.

**C932 - Preclinical Experiences in Mathematics** - Preclinical Experiences in Mathematics provides students the opportunity to observe and participate in a wide range of in-classroom teaching experiences in order to develop the skills and confidence necessary to be an effective teacher. Students will reflect on and document at least 75 hours of in-classroom observations. Prior to entering the classroom for the observations, students will be required to meet several requirements including a cleared background check, passing scores on the state or WGU required basic skills exam and a completed resume.

**C933 - Preclinical Experiences in Mathematics** - Preclinical Experiences in Mathematics provides students the opportunity to observe and participate in a wide range of in-classroom teaching experiences in order to develop the skills and confidence necessary to be an effective teacher. Students will reflect on and document the 75 hours of in-classroom observation and experience in their performance assessments. Prior to entering the classroom for the observations, students will be required to meet several requirements including a cleared background check, passing scores on the state or WGU required basic skills exam and a completed resume.

**C934 - Preclinical Experiences in Elementary and Special Education** - Preclinical Experiences in Elementary and Special Education provides students the opportunity to observe and participate in a wide range of in-classroom teaching experiences in order to develop the skills and confidence necessary to be an effective teacher. Students will reflect on and document the 75 hours of in-classroom observation and experience in their performance assessments. Prior to entering the classroom for the observations, students will be required to meet several requirements including a cleared background check, passing scores on the state or WGU required basic skills exam and a completed resume.

**C935 - Preclinical Experiences in Elementary Education** - Preclinical Experiences in Elementary provides students the opportunity to observe and participate in a wide range of in-classroom teaching experiences in order to develop the skills and confidence necessary to be an effective teacher. Students will reflect on and document the 75 hours of in-classroom observation and experience in their performance assessments. Prior to entering the classroom for the observations, students will be required to meet several requirements including a cleared background check, passing scores on the state or WGU required basic skills exam and a completed resume.

**C936 - Preclinical Experiences in Elementary Education** - Preclinical Experiences in Elementary provides students the opportunity to observe and participate in a wide range of in-classroom teaching experiences in order to develop the skills and confidence necessary to be an effective teacher. Students will reflect on and document the 75 hours of in-classroom observation and experience in their performance assessments. Prior to entering the classroom for the observations, students will be required to meet several requirements including a cleared background check, passing scores on the state or WGU required basic skills exam and a completed resume.

**C937 - Preclinical Experiences in Science** - Preclinical Experiences in Science provides students the opportunity to observe and participate in a wide range of in-classroom teaching experiences in order to develop the skills and confidence necessary to be an effective teacher. Students will reflect on and document the 75 hours of in-classroom observation and experience in their performance assessments. Prior to entering the classroom for the observations, students will be required to meet several requirements including a cleared background check, passing scores on the state or WGU required basic skills exam and a completed resume.

**C938 - Preclinical Experiences in Science** - Preclinical Experiences in Science provides students the opportunity to observe and participate in a wide range of in-classroom teaching experiences in order to develop the skills and confidence necessary to be an effective teacher. Students will reflect on and document the 75 hours of in-classroom observation and experience in their performance assessments. Prior to entering the classroom for the observations, students will be required to meet several requirements including a cleared background check, passing scores on the state or WGU required basic skills exam and a completed resume.

**C939 - Data Visualization** - Data Visualization covers the application of design principles, human perception, color theory, and effective storytelling in the context of data visualization. It addresses presenting data to others, and advancing technology with visualization tools enabling data scientists to share their findings and support organizational decision-making processes. Additionally, this course focuses on how to visually encode and present data to an audience.

**C940 - Science Methods—Secondary Biology** - Science Methods—Secondary Biology provides an introduction to teaching methods specific to science for undergraduate students seeking initial licensure or endorsement in secondary biology. Course content focuses on the design and teaching of standards-based lessons using the three dimensions of science (science and engineering practices, crosscutting concepts, and disciplinary core ideas) and the appropriate integration of technology into those lessons. Students in this course work within their content areas to evaluate, enhance, and plan appropriate science instruction. This course includes laboratory safety training and certification, which includes safe laboratory practices and procedures for science classrooms and the proper use of personal protective equipment. A prerequisite for this course is Instructional Planning and Presentation.

**C941 - Science Methods—Secondary Chemistry** - Science Methods—Secondary Chemistry provides an introduction to teaching methods specific to science for undergraduate students seeking initial licensure or endorsement in secondary chemistry. Course content focuses on the design and teaching of standards-based lessons using the three dimensions of science (science and engineering practices, crosscutting concepts, and disciplinary core ideas) and the appropriate integration of technology into those lessons. Students in this course work within their content areas to evaluate, enhance, and plan appropriate science instruction. This course includes laboratory safety training and certification, which includes safe laboratory practices and procedures for science classrooms and the proper use of personal protective equipment. A prerequisite for this course is Instructional Planning and Presentation.

**C942 - Science Methods—Secondary Earth Science** - Science Methods—Secondary Earth Science provides an introduction to teaching methods specific to science for undergraduate students seeking initial licensure or endorsement in secondary earth science. Course content focuses on the design and teaching of standards-based lessons using the three dimensions of science (science and engineering practices, crosscutting concepts, and disciplinary core ideas) and the appropriate integration of technology into those lessons. Students in this course work within their content areas to evaluate, enhance, and plan appropriate science instruction. This course includes laboratory safety training and certification, which includes safe laboratory practices and procedures for science classrooms and the proper use of personal protective equipment. A prerequisite for this course is Instructional Planning and Presentation.

**C943 - Science Methods—Secondary Physics** - Science Methods—Secondary Physics provides an introduction to teaching methods specific to science for undergraduate students seeking initial licensure or endorsement in secondary physics. Course content focuses on the design and teaching of standards-based lessons using the three dimensions of science (science and engineering practices, crosscutting concepts, and disciplinary core ideas) and the appropriate integration of technology into those lessons. Students in this course work within their content areas to evaluate, enhance, and plan appropriate science instruction. This course includes laboratory safety training and certification, which includes safe laboratory practices and procedures for science classrooms and the proper use of personal protective equipment. A prerequisite for this course is Instructional Planning and Presentation.

**C945 - Preclinical Experiences in English** - Preclinical Experiences in English provides students the opportunity to observe and participate in a wide range of in-classroom teaching experiences in order to develop the skills and confidence necessary to be an effective teacher. Students will reflect on and document the 75 hours of in-classroom observation and experience in their performance assessments. Prior to entering the classroom for the observations, students will be required to meet several requirements including a cleared background check, passing scores on the state or WGU required basic skills exam and a completed resume.

**C946 - Nursing Education Field Experience** - The Nursing Education Field Experience provides the nurse educator student with clinical practice experiences with the opportunity to advance knowledge and expertise in a clinical area of practice and reflect on those experiences as they relate to the nurse educator role. Students demonstrate advanced clinical competence within a selected patient population that connect the four spheres of care identified by AACN The Essentials: Core Competencies for Professional Nursing Education (2021) (e.g., Wellness/Disease Prevention; Chronic Disease Management, Regenerative/ Restorative Care, and Hospice/Palliative Care). Students also analyze the need-gap for a curriculum change, innovation, or improvement. Based on the identified need-gap, the student will begin the design and development of a course module or unit that reflects evidence-based instructional design and assessment principles and practices. This course prepares the nurse educator student with advanced clinical competence which lays the foundation of clinical relevance when they support student learning as a Nurse Educator.

**C947 - Nursing Education Capstone** - The Nursing Education Capstone course provides the Nurse Educator student an opportunity to apply previous course work towards the completion of an evidence-based curriculum proposal project. During this course students will build on previous work during their Nursing Education Field Experience course by planning the implementation and evaluation phases of their proposed curriculum change, innovation or improvement. The capstone project represents a synthesis of competencies across the Masters Science of Nursing—Nursing Education degree program, which prepares them to lead, manage, and transform nursing education in diverse and complex settings.

**C948 - Technical Communication** - Technical Communication examines communication types and strategies that information technology executives will use to communicate effectively within an organization. As leaders, IT executives frequently contribute to business goals by designing and communicating specialized information in a variety of media to customers, clients, and other departments. In this course, students learn to communicate accurately, effectively, and ethically to a variety of audiences. Students choose, design, and deliver the communication product and assess the effectiveness to improve future communication. This course has no prerequisites.

**C949 - Data Structures and Algorithms I** - Data Structures and Algorithms I covers the fundamentals of dynamic data structures, such as bags, lists, stacks, queues, trees, hash tables, and their associated algorithms. With Python software as the basis, the course discusses object-oriented design and abstract data types as a design paradigm. The course emphasizes problem solving and techniques for designing efficient, maintainable software applications. Students will implement simple applications using the techniques learned.

**C950 - Data Structures and Algorithms II** - Data Structures and Algorithms II explores the analysis and implementation of high-performance data structures and supporting algorithms, including graphs, hashing, self-adjusting data structures, set representations, and dynamic programming. The course also introduces students to NP-complete problems. The course discusses how to use Python techniques to implement software solutions for problems of memory management and data compression. This course has two prerequisites: Data Structures and Algorithms I and Discrete Math II.

**C951 - Introduction to Artificial Intelligence** - Introduction to Artificial Intelligence explores the foundational principles and practices of artificial intelligence (AI), machine learning, and robotics. The course prepares students to analyze relationships, build agents, and create models relevant to AI problems. The prerequisites for this course are Introduction to Probability and Statistics as well as Data Structures and Algorithms II.

**C952 - Computer Architecture** - Computer Architecture introduces students to concepts and characteristics of organization and architecture applied to modern computer systems including performance, processor, memory, input/output, and multiprocessors to optimize system design, performance, and efficiency.

**C954 - Information Technology Management** - IT Management introduces the key topics and skills needed to lead next-generation technology organizations. This course explores how common applications and innovation drive value and business needs. Ethical and regulatory compliance issues are discussed, including current practices for risk management, disaster recovery, and cybersecurity. Students will also analyze the key leadership skills and traits necessary to lead responsive, competitive, and innovative organizations. This course has no prerequisites.

**C955 - Applied Probability and Statistics** - Applied Probability and Statistics is designed to help students develop competence in the fundamental concepts of basic statistics including: introductory algebra and graphing; descriptive statistics; regression and correlation; and probability. Statistical data and probability are often used in everyday life, science, business, information technology, and educational settings to make informed decisions about the validity of studies and the effect of data on decisions. This course discusses what constitutes sound research design and how to appropriately model phenomena using statistical data. Additionally, the content covers simple probability calculations, based on events that occur in the business and IT industries. No prerequisites are required for this course.

**C957 - Applied Algebra** - Applied Algebra is designed to help you develop competence in working with functions, the algebra of functions, and using some applied properties of functions. You will start learning about how we can apply different kinds of functions to relevant, real-life examples. From there, the algebra of several families of functions will be explored, including linear, polynomial, exponential, and logistic functions. You will also learn about relevant, applicable mathematical properties of each family of functions, including rate of change, concavity, maximizing/minimizing, and asymptotes. These properties will be used to solve problems related to your major and make sense of everyday living problems. Students should complete Applied Probability and Statistics or its equivalent prior to engaging in Applied Algebra.

**C958 - Calculus I** - This course guides candidates to apply theoretical concepts of calculus to real-world situations, demonstrating a developing mathematical mindset. This course focuses on limits, derivatives, integrals, and differential equations; it also prepares students for Discrete Mathematics. Prerequisites may include an entrance exam that assesses pre-calculus skills, or readiness; alternatively, completion of pre-calculus within the past 3 – 5 years.

**C959 - Discrete Mathematics I** - Discrete Mathematics I helps candidates develop competence in the use of abstract, discrete structures fundamental to computer science. In particular, this course will introduce candidates to logic and proofs; Boolean algebra and functions; set theory; finite and infinite sequences and series; and relations, graphs, and trees. The course emphasizes applications in computer science. Calculus I is a prerequisite for this course.

**C960 - Discrete Mathematics II** - Discrete Mathematics II addresses abstract, discrete, computational methods used in computer science. In particular, this class introduces searching and sorting algorithms; big-O estimates; number theory and cryptography; recursion and induction; counting and advanced counting techniques; discrete probability; and modeling computation. This course emphasizes applications in computer science. Discrete Mathematics I is a prerequisite for this course.



**C961 - Ethics in Technology** - Ethics in Technology examines the ethical considerations of technology in each of four categories: privacy, accuracy, property, and access. The course presents a range of technologies and issues that challenge technologists in the field of information ethics. Students are introduced to a decision-making process as informed by ethical frameworks that outline key ethical considerations within the technologies presented. Students will study specific cases to help inform their professional responsibilities in how to navigate the important controversies in topics such as surveillance, social media, hacking, data manipulation, plagiarism and piracy, artificial intelligence, responsible innovation, and the digital divide. This course has no prerequisites.

**C962 - Current and Emerging Technology** - Current and Emerging Technologies explores organizational leadership trends, practices, processes, and technology in contemporary technology-intensive organizations. IT executives need to stay informed of technological trends to determine their relevance and implementation within an organization. This course requires students to read and evaluate academic literature pertaining to emerging IT topics. This course has no prerequisites.

**C963 - American Politics and the US Constitution** - American Politics and the U.S. Constitution examines the evolution of representative government in the United States and the changing interpretations of the civil rights and civil liberties protected by the Constitution. This course will give candidates an understanding of the powers of the branches of the federal government, the continual tensions inherent in a federal system, the shifting relationship between state and federal governments, and the interactions between elected officials and the ever-changing electorate. This course will focus on such topics as the role of a free press in a democracy, the impact of changing demographics on American politics, and the debates over and expansion of civil rights. Upon completion of the course, candidates should be able to explain the basic functions of the federal government, describe the forces that shape American policy and politics, and be better prepared to participate in America's civic institutions. This course has no prerequisite.

**C964 - Computer Science Capstone** - The Computer Science Capstone course allows the student to demonstrate their application of the academic and professional abilities developed during the BSCS program. The capstone challenges students to integrate skills and knowledge from all program domains into one project.

**C965 - Teaching in the Middle School** - Teaching in the Middle School examines the guiding principles and best teaching practices for educating middle school students. The course explores the history of the middle school, the philosophy, theory, and rationale behind middle school organization; and the differences between elementary, middle, and secondary schools. The course also examines the unique needs of middle school students and teaching methods used to meet the needs of these learners. This course has no prerequisites.

**C966 - Teaching in the Middle School** - Teaching in Middle School examines the guiding principles and best teaching practices for educating middle school students. The course explores the history of middle school; the philosophy, theory, and rationale behind middle school organization; and the differences between elementary, middle, and secondary schools. The course also examines the unique needs of middle school students and teaching methods used to meet the needs of these learners. This course has no prerequisites.

**C968 - Software I – C#** - Software I - C# builds object-oriented programming expertise and introduces powerful new tools for C# application development. You will learn about and put into action: class design, exception handling, and other object-oriented principles and constructs to develop software that meets business requirements. This course requires foundational knowledge of object-oriented programming. Scripting and Programming: Foundations and Scripting and Programming: Applications are prerequisites for this course.

**C969 - Software II – Advanced C#** - Software II - Advanced C# refines object-oriented programming expertise and builds database and file server application development skills. You will learn about and put into action lambda expressions, collections, and input/output to develop software with C# that meets business requirements. This course requires intermediate expertise in object-oriented programming and the C# language. The prerequisite for this course is Software I - C#.

**C970 - Children's Literature** - Children's Literature is an introduction to and exploration of children's literature. Students will consider and analyze children's literature as a lens through which to view the world. Students will experience multiple genres, historical perspectives, cultural representations, and current applications in the field of children's literature. This course is designed to be taken after successful completion of Introduction to Curriculum, Instruction, and Assessment OR Introduction to Instructional Planning and Presentation AND Instructional Planning and Presentation in Elementary or Special Education.

**C971 - Mobile Application Development Using C#** - Mobile Application Development Using C# introduces students to programming for mobile devices. Building on students' previous knowledge of programming in C#, this course investigates Xamarin.Forms and how it can be used to build a mobile application. This course explores a broad range of topics, including mobile user interface design and development; building applications that adapt to different mobile devices and platforms; managing data using a local database; and consuming REST-based web services. There are several prerequisites for this course: Software I and II, and UI Design.

**C972 - College Geometry** - College Geometry covers the knowledge and skills necessary to use dynamic technology to explore geometry, to use axiomatic reasoning to prove statements about geometry, and to apply geometric models to solve real-life problems. Topics include axiomatic systems, analytic proofs, coordinate geometry, plane and solid Euclidean geometry, non-Euclidean geometries, constructions, transformations, deductive reasoning, and dynamic technology. College Algebra as well as Trigonometry and Precalculus are prerequisites.

**C974 - Science Methods—Middle Grades General Science** - Science Methods—Middle Grades General Science provides an introduction to teaching methods specific to science for undergraduate students seeking initial licensure or endorsement in Middle School Science. Course content focuses on the design and teaching of standards-based lessons using the three dimensions of science (science and engineering practices, crosscutting concepts, and disciplinary core ideas) and the appropriate integration of technology into those lessons. Students in this course work within their content areas to evaluate, enhance, and plan appropriate science instruction. This course includes laboratory safety training and certification, which includes safe laboratory practices and procedures for science classrooms and the proper use of personal protective equipment. A prerequisite for this course is Instructional Planning and Presentation.

**C975 - Science Methods—Middle Grades General Science** - Science Methods—Middle Grades General Science focuses on teaching methods specific to science for graduate students seeking an endorsement in middle school science. Course content focuses on the design and teaching of standards-based lessons using the three dimensions of science (science and engineering practices, crosscutting concepts, and disciplinary core ideas) and the appropriate integration of technology into those lessons. Students in this course work within their content areas to evaluate, enhance, and plan appropriate science instruction. This course includes laboratory safety training and certification, which includes safe laboratory practices and procedures for science classrooms and the proper use of personal protective equipment. There are no prerequisites for this course.

**C976 - Science Methods—Secondary Biology** - Science Methods—Secondary Biology focuses on teaching methods specific to science for graduate students seeking an endorsement in secondary biology. This course focuses on the design and teaching of standards-based lessons using the three dimensions of science (science and engineering practices, crosscutting concepts, and disciplinary core ideas) and the appropriate integration of technology into those lessons. Students in this course work within their content areas to evaluate, enhance, and plan appropriate science instruction. This course includes laboratory safety training and certification, which includes safe laboratory practices and procedures for science classrooms and the proper use of personal protective equipment. There are no prerequisites for this course.

**C977 - Science Methods—Secondary Chemistry** - Science Methods—Secondary Chemistry focuses on teaching methods specific to science for graduate students seeking an endorsement in secondary chemistry. Course content focuses on the design and teaching of standards-based lessons using the three dimensions of science (science and engineering practices, crosscutting concepts, and disciplinary core ideas) and the appropriate integration of technology into those lessons. Students in this course work within their content areas to evaluate, enhance, and plan appropriate science instruction. This course includes laboratory safety training and certification, which includes safe laboratory practices and procedures for science classrooms and the proper use of personal protective equipment. There are no prerequisites for this course.

**C978 - Science Methods—Secondary Earth Science** - Science Methods—Secondary Earth Science focuses on teaching methods specific to science for graduate students seeking an endorsement in secondary earth science. Course content focuses on the design and teaching of standards-based lessons using the three dimensions of science (science and engineering practices, crosscutting concepts, and disciplinary core ideas) and the appropriate integration of technology into those lessons. Students in this course work within their content areas to evaluate, enhance, and plan appropriate science instruction. This course includes laboratory safety training and certification, which includes safe laboratory practices and procedures for science classrooms and the proper use of personal protective equipment. There are no prerequisites for this course.

**C979 - Science Methods—Secondary Physics** - Science Methods—Secondary Physics focuses on teaching methods specific to science for graduate students seeking an endorsement in secondary physics. Course content focuses on the design and teaching of standards-based lessons using the three dimensions of science (science and engineering practices, crosscutting concepts, and disciplinary core ideas) and the appropriate integration of technology into those lessons. Students in this course work within their content areas to evaluate, enhance, and plan appropriate science instruction. This course includes laboratory safety training and certification, which includes safe laboratory practices and procedures for science classrooms and the proper use of personal protective equipment. There are no prerequisites for this course.

**C980 - Innovative Solutions in Health Leadership** - Innovative Solutions in Health Leadership provides an opportunity to explore healthcare innovations through comparison research, application of disruptive leadership concepts, and advanced technology applications. Students will apply strategic innovation concepts to improve critical patient dissatisfiers in a healthcare setting. This course has no prerequisites.

**C981 - Collaborative Leadership** - Collaborative Leadership provides an opportunity to apply collaborative leadership skills to better serve diverse communities. Students will develop a process innovation with community leaders in a diverse population emphasizing a cultural competence. This course has no prerequisites.

**C982 - Healthcare Models and Systems** - Healthcare Models and Systems provides an opportunity to analyze the evolution of healthcare models and systems. Students will apply leadership strategies to manage organizational changes and community affiliations. This course has no prerequisites.

**C983 - Quality Improvement in Healthcare** - Quality Improvement in Healthcare provides an opportunity to apply quality improvement principles and strategies in a high-volume Level 1 trauma center. Students will apply disruptive leadership strategies to implement quality-improvement procedures in a fast-paced healthcare environment. This course has no prerequisites.

**C984 - Healthcare Financial Management** - Healthcare Financial Management provides an opportunity to apply strategic change management principles through the application of fiscal management and data analysis in a healthcare environment. This course will examine strategies to increase value, sustainability, and productivity in a patient-centric environment. This course has no prerequisites.

**C985 - Analytical Methods of Health Leaders** - Analytical Methods of Health Leaders provides an opportunity to explore the use of predictive analysis and forecasting techniques to develop evidence-based decision making. Candidates will apply quality research and analytical analysis to inform decisions in a health management environment. This course has no prerequisites.

**C986 - Enterprise Risk Management** - Enterprise Risk Management provides an opportunity to examine risk exposure and response and risk mitigation within an integrated care delivery model. Students will apply practices to identify risks and develop sustainable corrective action plans. This course has no prerequisites.

**C987 - Healthcare Information Technology** - Healthcare Information Technology provides an opportunity to examine the use of technology in data analysis and applications to improve outcomes in a patient-centered care environment. Students will apply strategic analysis to improve technology function and interoperability within a community healthcare cooperative. This course has no prerequisites.

**C988 - Population Healthcare Coordination** - Population Healthcare Coordination provides an opportunity to examine population healthcare strategies and community collaboration to impact at-risk demographic groups. Students will apply strategic change management and data analysis to develop health initiatives for a large-scale population. This course has no prerequisites.

**C989 - Challenges in Community Healthcare** - Challenges in Community Healthcare provides an opportunity to explore organizational leadership and problem-solving methods to collaborate with community leaders in a high-stakes healthcare environment. Students will apply collaborative leadership skills and evidence-based practices as they develop community relationships to resolve critical issues in community health management. This course has no prerequisites.

**C990 - Integrated Health Leadership** - Integrated Health Leadership provides an opportunity to examine integrated healthcare delivery systems and person-centered care models for innovative solutions to critical challenges. The student will apply principles of collaborative leadership, disruptive change, and catalyst evaluation to develop a holistic integrated healthcare system. This course has no prerequisites.

**C991 - Health Leadership Capstone** - The capstone is a student-designed project intended to illustrate the student's ability to effect change in the industry and demonstrate competence in all five program outcomes: transformational leader, value innovator, tactical manager, analyst, and integrated systems expert. Students are required to collaborate with leaders in the healthcare industry to identify opportunities for improvement in healthcare, propose a solution, and perform a business analysis to evaluate its feasibility. In addition, the capstone encourages work in the healthcare industry that will be showcased in the student's collection of work and help solidify professional relationships in the industry. This course has no prerequisites.

**C992 - College Geometry** - College Geometry covers the knowledge and skills necessary to use dynamic technology to explore geometry, to use axiomatic reasoning to prove statements about geometry, and to apply geometric models to solve real-life problems. Topics include axiomatic systems, analytic proofs, coordinate geometry, plane and solid Euclidean geometry, non-Euclidean geometries, constructions, transformations, deductive reasoning, and dynamic technology. College Algebra as well as Trigonometry and Precalculus are prerequisites.

**CQC2 - Calculus II** - Calculus II is the study of the accumulation of change in relation to the area under a curve. It covers the knowledge and skills necessary to apply integral calculus of one variable and to use appropriate technology to model and solve real-life problems. Topics include antiderivatives; indefinite integrals; the substitution rule; Riemann sums; the fundamental theorem of calculus; definite integrals; acceleration, velocity, position, and initial values; integration by parts; integration by trigonometric substitution; integration by partial fractions; numerical integration; improper integration; area between curves; volumes and surface areas of revolution; arc length; work; center of mass; separable differential equations; direction fields; growth and decay problems; and sequences. Calculus I is a prerequisite for this course.

**CUA1 - Culture** - Focuses on the nature and role of culture and the importance of cultural groups and cultural identity.

**D001 - Behavioral Support Strategies for K-12 Learners with Mild to Moderate Exceptionalities** - Behavioral Support Strategies for K-12 Learners with Mild to Moderate Exceptionalities prepares candidates to work effectively with students exhibiting behavior in the classroom that is below age and cultural norms. This course provides an overview of behavior disorders and their causes, as well as appropriate research-based intervention strategies, including positive behavior intervention and supports, multi-tiered systems of support (MTSS), applied behavior analysis, replacement behavior and reward strategies, culturally responsive practices, and data collection and assessment methods. After completing this course candidates emerge prepared to strategize and recommend adjustments to the learning environment that support positive behavior and student success in the classroom and beyond. This course also examines behavioral assessment and analysis, including the creation of functional behavior assessment (FBA) and the creation and monitoring of behavioral improvement plans (BIP) in an authentic learning environment. This course is designed to be taken after successful completion of Fundamentals of Diverse Learners or Fundamentals of Diversity Inclusion, and Exceptional Learners, Professional, Ethical, and Legal Practices for Special Education, and Managing Engaging Learning Environments or Classroom Management, Engagement, and Motivation.

**D002 - Professional, Ethical, and Legal Practices for Special Education** - Professional, Ethical, and Legal Practices for Special Education prepares candidates to practice within ethical and legal guidelines in day-to-day teaching, stakeholder interactions, and other complex situations. This course provides an overview of the professional ethics and standards from the Council for Exceptional Children (CEC), which guide candidates to act in a professionally conscientious manner. Candidates will explore the legal foundations and case laws related to special education to gain understanding of how legislation influences teaching and learning. This course is designed to be taken after successful completion of Fundamentals of Diverse Learners OR Fundamentals of Diversity, Inclusion, and Exceptional Learners.

**D003 - Assessment in Special Education** - Assessment in Special Education prepares candidates to use multiple methods of assessment and data sources in making educational decisions about the student and the learning environment. This course is designed to help provide an understanding of how assessment data is used during screening in multitiered systems of support (MTSS), the eligibility process, the evaluation process, progress monitoring, and data-based instructional decision making. This course is designed to be taken after successful completion of Professional, Ethical, and Legal Practices for Special Education and Assessing Impact on Student Learning OR Educational Assessment.

**D004 - Collaborating with Partners for Student Success** - Collaborating with Partners for Student Success prepares candidates to apply team processes and communication strategies to collaborate in a culturally responsive manner with families, paraeducators, and other professionals (within the school, other educational settings, and the community) to plan programs and access services for students with exceptionalities and their families. The course introduces ways to enhance parental involvement and family engagement while teaching families and students advocacy throughout the Individualized Education Program (IEP) and transition planning processes. This course also focuses on the components of the IEP and how the practice of effective communication and collaboration skills is key to the program's development and implementation. Candidates will engage in three hours of preclinical experiences that includes a simulated collaborative experience in which skills learned can be applied. This course is designed to be taken after successful completion of Professional, Ethical, and Legal Practices for Special Education OR Fundamentals of Diversity, Inclusion, and Exceptional Learners, and Assessment in Special Education.

**D005 - Considerations for Instructional Planning for Learners with Mild to Moderate Exceptionalities** - Considerations for Instructional Planning for Learners with Mild to Moderate Exceptionalities introduces candidates to a repertoire of evidence-based instructional strategies to advance the learning of students with exceptionalities. The course focuses specifically on strategies for intensifying and individualizing instructional interventions; making instructional decisions based on progress-monitoring data; collaborating with general education teachers and paraeducators; teaching to mastery; promoting generalization of learning; and teaching students with exceptionalities how to use self-assessment, problem solving, and other cognitive strategies to organize critical content and meet their needs. This course is designed to be taken after successful completion of the Introduction to Curriculum, Instruction, and Assessment course OR Introduction to Instructional Planning and Presentation AND Instructional Planning and Presentation in Special Education.

**D006 - Instructional Strategies and Technologies for Elementary Learners with Mild to Moderate Exceptionalities** - Instructional Strategies and Technologies for Elementary Learners with Mild to Moderate Exceptionalities prepares candidates to use evidence-based instructional practices appropriate for elementary students receiving special education services. The course includes cognitive and metacognitive strategies that elementary students can use to acquire new content knowledge and generalize skills across learning environments. It also provides opportunities for candidates to incorporate intensive instructional strategies and practice making accommodations to elementary math and English language arts lesson plans based on learner characteristics, performance data, and individualized education program (IEP) goals. In addition to discussing how to make appropriate accommodations, the course teaches candidates how to assess student learning through progress monitoring and apply intensive interventions when warranted. This course is designed to be taken after successful completion of Considerations for Instructional Planning for Learners with Mild to Moderate Exceptionalities.

**D007 - Instructional Strategies and Technologies for Secondary Learners with Mild to Moderate Exceptionalities** - Instructional Strategies and Technologies for Secondary Learners with Mild to Moderate Exceptionalities prepares candidates to use evidence-based instructional practices appropriate for use with secondary students receiving special education services. Strategies taught in this course focus on intensive instruction and making accommodations to secondary lesson plans in order to develop critical thinking and problem-solving skills to enhance acquisition of age-appropriate secondary content across academic disciplines. This course also promotes the achievement of Individualized Education Program (IEP) and transition goals for independent living and career preparation through demonstration of strategies that increase students' self-awareness, self-regulation, self-management, self-control, and self-esteem. This course is designed to be taken after successful completion of Considerations for Instructional Planning for Learners with Mild to Moderate Exceptionalities.

**D009 - Preclinical Experiences in Special Education** - Pre-Clinical Experiences in Special Education provides candidates the opportunity to observe and participate in a wide range of in-classroom teaching experiences in order to develop the skills and confidence necessary to be an effective teacher. Candidates will reflect on and document the 75 hours of in-classroom observation and experience in their performance assessments. Prior to entering the classroom for the observations, candidates will be required to include a cleared background check, passing scores on the state or WGU required basic skills exam and a completed resume.

**D010 - Disciplinary Literacy** - Disciplinary Literacy examines teaching strategies designed to help candidates to develop the literacy skills necessary to read, write, and think critically while engaging content in different academic disciplines. Course content highlights strategies to help candidates distinguish between the unique characteristics of informational texts while improving comprehension and writing proficiency across the curriculum. Strategies to encourage inquiry and cultivate skills in critical thinking, collaboration, and creativity also are addressed. This course is designed to be taken after successful completion of the Introduction to Curriculum, Instruction, and Assessment course OR Introduction to Instructional Planning and Presentation AND Instructional Planning and Presentation in Special Education.

**D012 - Supervised Demonstration Teaching in Special Education, Obs 1 and 2** - Supervised Demonstration Teaching in Special Education, Obs 1 and 2 involves a series of classroom performance observations by the host teacher and clinical supervisor that develop comprehensive performance data about the teacher candidate's skills.

**D013 - Supervised Demonstration Teaching in Special Education, Obs 3 and Midterm** - Supervised Demonstration Teaching in Special Education, Obs 3 and Midterm involves a series of classroom performance observations by the host teacher and clinical supervisor that develop comprehensive performance data about the teacher candidate's skills.

**D014 - Supervised Demonstration Teaching in Special Education, Obs 4 and 5** - Supervised Demonstration Teaching in Special Education, Obs 4 and 5 involves a series of classroom performance observations by the host teacher and clinical supervisor that develop comprehensive performance data about the teacher candidate's skills.

**D015 - Supervised Demonstration Teaching in Special Education, Obs 6 and Final** - Supervised Demonstration Teaching in Special Education, Obs 6 and Final involves a series of classroom performance observations by the host teacher and clinical supervisor that develop comprehensive performance data about the teacher candidate's skills.

**D016 - Leadership Foundations and Ethics** - Leadership Foundations and Ethics presents candidates with a variety of leadership theories and strategies used by PK-12 educational leaders to develop, sustain, and evaluate a coherent system of academic and social supports that meet the full range of students' needs. Foundational knowledge addresses the importance of developing mission, vision, and core values in collaboration with faculty, staff, and the school community to advocate for student success. The course also covers communication strategies, interpersonal skills, and using data to build community, influence school culture, and manage change for continuous improvement. In addition, candidates are introduced to the significance of following professional ethical codes and the importance of modeling and advocating ethical behavior with all stakeholders.

**D017 - School Law** - School Law prepares candidates to understand the appropriate application of laws, rights, policies, and regulations to promote student success. The course emphasizes the importance of understanding the history of and relationship between federal and state laws, legal decisions, local education policies, and practices at the local school level to ensure compliance. The course further focuses on understanding the legal rights and protections provided for all students, including those with disabilities, as well as school staff. It also addresses curriculum and instruction that help stakeholders understand the possible effects these rights may have on administrative decisions. Candidates are also provided the opportunity to demonstrate their capability to evaluate legal consequences of administrative decisions.

**D018 - Leading Inclusive Schools** - Leading Inclusive Schools covers a variety of topics that directly affect students who have been assessed and determined to need additional support or services to ensure their academic success and well-being. The course prepares candidates to understand and comply with applicable laws, rights, policies, and regulations as appropriate to address matters of equity, fairness, and student marginalization based on culture and language, disability, or giftedness. These include types of special education classifications and their significance, working with English learners (ELs), working with gifted and talented students, and using Multi-Tiered System of Supports (MTSS) frameworks to ensure optimum learning environments for diverse learners. This course will guide candidates in building a strong repertoire of skills and knowledge related to exceptional students. It will help them ensure that each student has equitable access to effective teachers; learning opportunities; academic, social, and behavioral support; and other resources necessary for success. This course is designed to be taken after successful completion of the School Law course.

**D019 - Data Literacy and Evidence-Based Practices** - Data Literacy and Evidence-Based Practices focuses on the development of data literacy skills educators need to improve the learning and development opportunities of K–12 students. Candidates will practice identifying educational problems and data types, generating data, analyzing data, making inferences and drawing conclusions, and creating action plans within their educational settings. Candidates will also learn best practices for data literacy, including continuous improvement planning, approaches to professional learning communities, and instructional decision-making processes. This course has no prerequisites.

**D020 - Cultural Competency and Social-Emotional Learning** - Cultural Competency and Social-Emotional Learning focuses on fostering cultural competence among professional educators by increasing knowledge of diverse learner populations, implementing culturally responsive pedagogy, and ensuring social justice and equity in the educational setting. Candidates also will participate in learning experiences designed to ensure they can lead efforts to meet the social and emotional learning needs of all learners, contributing to a school environment that builds learners' personal agency and academic success. Advocacy strategies are learned in this course, ensuring candidates possess the tools to positively impact school environments both locally and globally. This course has no prerequisites and candidates are strongly encouraged to take this early in their program.

**D021 - Leadership of Curriculum Design and Instruction** - Leadership of Curriculum Design and Instruction prepares candidates to evaluate and implement curricular programs and instructional methods observed at the school level. Candidates focus on the knowledge and skills needed to develop, align, and implement cohesive systems of curriculum, instruction, and assessment. Importance is placed on responding to student needs, embodying high expectations for student learning, aligning with academic standards within and across grade levels, and promoting students' academic success and social and emotional well-being. This course also covers the selection and use of appropriate technologies to monitor student progress and improve instruction support for assessment, data collection, management, and analysis. Candidates are prepared to build a professional culture of trust and collaboration to ensure they are able to work with school personnel in creating curricular programs and instructional methods that are engaging and challenging and relevant to student needs, experiences, and interests. This course is designed to be taken after successful completion of D017: School Law.

**D022 - People and Talent in Educational Leadership** - People and Talent in Educational Leadership prepares candidates to understand and implement practices used to recruit, hire, and prepare school personnel to provide students with an optimal learning environment. Various school professional development practices, such as professional learning communities, collaborative learning communities, beginning teacher induction, and mentor programs, will be covered. Additionally the course covers methods to evaluate school personnel appropriately based on data-driven decisions; providing realistic and actionable feedback to school personnel to continuously drive improvement; engaging all school personnel in the use and evaluation of competing school-wide initiatives; creating and sustaining a professional culture of engagement and commitment by developing workplace conditions that promote employee development, well-being, and professional growth; and continuously supporting school personnel to improve their instructional practices through ongoing professional development. The candidate will also reflect on leadership standards in order to develop a personal professional growth plan. A prerequisite for this course is D017: School Law.

**D023 - School Financial Leadership** - School Financial Leadership focuses on financial policies, practices, and issues connected to PK–12 school operations. The course describes various sources of school funding, the impact these sources can have on managing school budgets, and the challenges connected to finances that are often encountered by school leaders to ensure equitable financial support for all students. Candidates learn how to analyze different types of school budgets and understand the principal's role in the budgetary process to ensure alignment to the school's mission, vision, and values. This course also identifies and explains various types of commonly used accounting regulations, rules, and professional ethical principles used to create, maintain, and evaluate school budgets to ensure the equitable and ethical use of financial resources. This course is designed to be taken after successful completion of D017: School Law.

**D024 - Professional Presence and Influence** - Professional Presence and Influence is a masters-level course designed to guide students towards an enhanced state of presence, where therapeutic relationships are built between nurse and patient. Students will learn techniques for self-care practices that result in enhanced mental and physical wellbeing and that ensure ethically-generated patient care. Presence is an intrapersonal and interpersonal quality that allows the nurse to relate to others and to be aware of the world around them. The characteristics of presence, which include holism, intimacy, sensitivity and adaptability, create a heightened sense of awareness that fosters therapeutic relationships between the nurse and patient. Developing a mindful, authentic presence is central to health and spiritual practices in several cultures and a major element of leadership. Students will intentionally develop a focused mindfulness practice that will influence patient outcomes and lead to conditions that create joy in the workplace.

**D025 - Essentials of Advanced Nursing Roles and Interprofessional Practice** - Essentials of Advanced Nursing Roles and Interprofessional Practice explores essential characteristics of the advanced professional nurse in the role of leader, educator, practitioner, or informatics specialist. In this course, students will apply evidence-based strategies to facilitate interprofessional collaboration on teams. Students will explore the role of nurses in advocating for change at the bedside, as well as leading teams to advocate for health policy reform. Students will gather and analyze data to identify patients and populations at risk and recommend policy change to improve health outcomes in the community.

**D026 - Quality Outcomes in a Culture of Value-Based Nursing Care** - Quality Outcomes in a Culture of Value-Based Nursing Care incorporates current standards of quality and safety within the context of value-based care. In a value-based healthcare system, the benefits are derived from measuring health outcomes against the cost of delivering the outcomes. These benefits are then extended to patients, providers, payers, suppliers, and society as a whole. This course introduces new healthcare delivery models, which stress a team-oriented approach to patient care and sharing of patient data so that care is coordinated, and outcomes can be measured easily. Emphasis is placed on performance and quality improvement methods that underlie value-based nursing care. The nurse in advanced practice today must exemplify the standards of quality and safety and be prepared to lead the delivery of value-based patient-centered care.

**D027 - Advanced Pathopharmacological Foundations** - Advanced Pathopharmacological Foundations provides advanced practice nurses foundational knowledge in the many pathologies encountered in practice today. Advancing from the cellular to the body system level, this course examines the pathologies of common conditions seen in healthcare today. Consideration is also given to the human affective response to alterations in health. There are no prerequisites for this course.

**D028 - Advanced Health Assessment for Patients and Populations** - Advanced Health Assessment of Patients and Populations builds on prior physical health assessment knowledge and skills acquired during undergraduate studies by focusing on the advanced assessment of biopsychosocial and sociocultural contexts in patients and populations across the life span. This course emphasizes the use of a comprehensive health promotion, disease prevention, and health restoration model to address health concerns in patients and communities. Students will acquire advanced assessment knowledge and skills for clinical interviewing, focused history taking, critical diagnostic reasoning, and clinical decision-making using a problem-focused framework that integrates authentic experiences with practical knowledge of health patterns in patients and communities. There are no prerequisites for this course.

**D029 - Informatics for Transforming Nursing Care** - Informatics for Transforming Nursing Care integrates nursing science with multiple information and analytical sciences to identify, define, manage, and communicate data, information, knowledge, and wisdom in nursing practice. Students will acquire knowledge and skills to apply informatics concepts, communications, and data that are critical to facilitating interprofessional data-driven decision-making. It is designed to build competence in the use of patient- and population-based applications that inform and support the transformation of nursing care delivery toward a future of value-based quality nursing care that improves health outcomes. This course aligns theoretical concepts with practical applications of informatics and is consistent with the functional areas and responsibilities of informatics nurses as defined by American Nurses Association Scope and Standards for nursing informatics.

**D030 - Leadership and Management in Complex Healthcare Systems** - Leadership and Management in Complex Healthcare Systems prepares graduate nurses to be thoughtful strategists and informed decision-makers who serve as strong leaders in high-performing healthcare systems. Students develop competencies for managing diverse teams in complex systems, monitoring and measuring organizational performance, allocating financial and human resources, and leading change towards a transformed healthcare system. Additionally, students acquire the knowledge and skills to become full partners with other healthcare professionals by demonstrating nurse contributions toward high-quality care to patients and populations, while working collaboratively with interprofessional teams. There are no prerequisites for this course.

**D031 - Advancing Evidence-Based Innovation in Nursing Practice** - Advancing Evidence-Based Innovation in Nursing Practice introduces students to the dynamic union of healthcare innovation and evidence. Core competencies and behaviors required to be a nurse innovator are discussed. Strategies for measuring innovation at various system levels are presented, as well as techniques for synthesizing and disseminating evidence to advance innovation in healthcare. The skills needed to appraise the quality of diverse sources of evidence are presented within the framework of evidence-based practice. This course focuses on identifying new and emerging sources of evidence that can inform, translate, and scale the complexity of leading innovation in healthcare organizations. Students will experience building communities of practice for collaboratively developing innovative practices and policies designed to improve the health of populations and enhance the patient experience of care.

**D033 - Healthcare Information Systems Management** - Healthcare Information Systems Management provides an overview of many facets of information systems in healthcare. This course explores how information technology (IT) is an organizational resource that must be managed so that it supports or enables healthcare organizational strategy. This course will discuss how decision support and communication are securely facilitated in the healthcare marketplace. This course also explores current and continuously evolving technologies, strategic thinking, and issues at the intersection of health information management and technology.

**D034 - Systems Management and School Operations** - Systems management and school operations instruct candidates on the operational aspects of school leadership that are essential to developing, monitoring, and evaluating school management, school systems, and services that address and support the needs of students and school personnel. Topics presented in this course include systems thinking; development, implementation, and evaluation of data-based strategic planning; and school improvement processes. Candidates will evaluate the use of appropriate operational technology and the development of communications systems that provide actionable information to internal and external stakeholders for use in classroom and school improvement and community engagement. Each of these topics emphasizes the importance of efficiently and effectively managing school resources to build, maintain, and evaluate a cohesive system of academic and organizational supports, services, extracurricular activities, and accommodations to meet the full range of needs for each student. Prerequisites for this course: Leadership Foundations and Ethics and School Law.

**D035 - Educational Inquiry** - Educational Inquiry focuses on practical problem solving. This course teaches candidates to use scholarly literature to inform their own practice. It also teaches candidates to engage in their own action research processes, which empowers educators to recognize opportunities for improvement and to systematically implement and evaluate changes. This course prepares candidates to conduct research for the capstone. Prerequisites for this course: Data Literacy and Evidence-Based Practices.

**D036 - Practicum in Educational Leadership - Focus on Professional Practices** - Practicum in Educational Leadership - Focus on Professional Practices provides candidates with an authentic, real-world work experience as an educational leader in a K–12 school environment. This is the first of a two-part experience designed to take place under the leadership and supervision of a practicing school principal or assistant principal at an approved practicum school site (K–12). This course includes an emphasis on the application of knowledge and skills to areas directly or indirectly affecting students. Collaboration within the school and local community is a focal point for this course. The course also includes the completion of assigned administrative duties in a K–12 setting, as defined by the candidate's state of residence, under the supervision of the cooperating administrator of the candidate's approved practicum site. Prior to enrolling in this practicum course, the candidate must complete a minimum of 18 CUs.

**D037 - Practicum in Educational Leadership - Focus on Instruction and Operations** - Practicum in Educational Leadership - Focus on Instruction and Operations provides candidates with an authentic, real-world work experience as an educational leader in a K–12 school environment. This is the second of a two-part experience designed to take place under the leadership and supervision of a practicing school principal or assistant principal at an approved practicum school site (K–12). This course includes an emphasis on the application of knowledge and skills to areas affecting school operations and school personnel. The course also includes the completion of assigned administrative duties in a K–12 setting, as defined by the candidate's state of residence, under the supervision of the cooperating administrator of the candidate's approved practicum site. Prior to enrolling in this practicum course, the candidate must complete a minimum of 18 CUs.

**D038 - Educational Leadership Capstone** - Educational Leadership Capstone serves as the culminating experience of this degree program, uniting content area knowledge with the execution of a problem-based learning project. Under the guidance of program faculty, candidates will apply their data literacy and research skills authentically and to topics appropriate to the candidate's degree program and future career goals. Projects will include action research or program evaluation and the qualitative or quantitative research methods necessitated by the project's purpose. Prerequisites include Data Literacy and Educational Inquiry, as well as all content area courses and field experiences prescribed in one's area of study. This course is designed to be taken after successful completion of all courses with the exception of Educational Inquiry, which may be taken concurrently.

**D046 - Introduction to Care Coordination** - Introduction to Care Coordination explores the importance of understanding a patient's illness, patient's needs, and care of the patient as it relates to cultural and ethical norms. This course explores role development as a care coordinator, teaches understanding of the patient's health goals in alignment with activities of daily living, and explores the influences of an interdisciplinary approach to care and how a team approach facilitates a patient's desired outcome. This course investigates the importance of a patient- and family-centered care approach as it relates to a desired health outcome. There are no prerequisites for this course.

**D047 - Roles and Responsibilities in an Interdisciplinary Team** - Roles and Responsibilities in an Interdisciplinary Team helps students understand their role as an interdisciplinary team member. This course explores attributes of an effective team and challenges traditional professional boundaries in assembling an interdisciplinary team. The course also requires students to analyze the relationship of an individual's expertise, knowledge, and skill base with the impact on care coordination and patient outcomes. There are no prerequisites for this course.

**D048 - Communication and Organizational Awareness** - Communication and Organizational Awareness will help students develop skills associated with change management, conflict resolution, decision-making, negotiation, and team building. The course will allow students to practice effective ways to engage with other professionals within an organization by understanding group dynamics and conflict resolution. This course will teach students to analyze organizational communication concepts as they relate to personal experiences. This course also applies contemporary organizational theories as they relate to group communication, intercultural communication, conflict management, and change management. There are no prerequisites for this course.

**D049 - Critical Thinking and Strategic Decision-Making** - Critical Thinking and Strategic Decision-Making explores the skills necessary to critique and construct arguments and analyze solutions with a system-wide focus. This course will examine how individuals and groups work to effectively solve problems and will explore the informal logic and decision-making processes used when creating resolutions for simple to complex decisions as a member of an interdisciplinary healthcare team. There are no prerequisites for this course.

**D050 - History of Healthcare in America** - History of Healthcare in America will examine individuals such as Henrietta Lacks, Elizabeth Stern, Rita Levi-Montalcini, Bennet Omalu, Gertrude B. Elion, and J. Robin Warren who contributed to the development of healthcare in the United States, from its inception to present day. This course examines how specific individuals and their scientific contributions influenced healthcare delivery and the continued evolution of healthcare, teaching from a systems or a value-based care perspective. The course also focuses on the way healthcare interacted with culture, politics, and society throughout U.S. history and how the evolution of healthcare may not have been possible without these individuals and others. There are no prerequisites for this course.

**D051 - Care for Individuals and Families** - Care for Individuals and Families focuses on the holistic care of individuals, families, and populations with multifaceted healthcare needs. This course improves critical thinking and interdisciplinary communication skills to provide information to individuals or groups in a variety of settings. The focus of the course is on managing the transition of an individual, family, or group through a variety of healthcare settings, which can include acute care hospitals, extended stay facilities, ambulatory care clinics, home care, outreach, or wellness. This course helps students develop effective professional communication skills and appropriate behaviors to ensure an individual, family, or group is successful in meeting its healthcare goals. There are no prerequisites for this course.

**D052 - Navigating Care Across the Continuum** - Navigating Care Across the Continuum concentrates on how services are used to promote general well-being, resolution of physical and/or behavioral issues, and palliative and chronic care. The course will prepare students to evaluate barriers to providing the continuity of care and ways to resolve or navigate through these barriers. The course focuses on how historical factors play a role in how care and treatment are adjusted to meet the current needs of an individual, group, or population in a variety of care settings. There are no prerequisites for this course.

**D053 - Contemporary Topics and the Influence on Healthcare Today** - Contemporary Topics and the Influence on Healthcare Today analyzes contemporary healthcare trends currently influencing health outcomes, as an individual or group, in the United States. The course helps the student develop a comparative explanation on how internal and external structures and social, cultural, economic, and political issues influence how care is delivered. The course critically evaluates current healthcare systems and examines how contemporary issues continue to shape healthcare. There are no prerequisites for this course.

**D054 - Cultural Awareness for the Healthcare Professional** - Cultural Awareness for the Healthcare Professional focuses on the differences found in cultures. It also focuses on how healthcare professionals can improve health outcomes and quality of care by understanding and contributing to the elimination of racial and ethnic health disparities. This course explores the national standards of Culturally and Linguistically Appropriate Services (CLAS) to decrease health disparities as healthcare professionals search for effective ways to provide care to a diverse population. There are no prerequisites for this course.

**D055 - Evidence-Based Practice for Care Coordination** - Evidence-Based Practice for Care Coordination focuses on students' use of valid and relevant external evidence to make healthcare decisions as it relates to transitioning from one service area to another. This course guides students as they explore care coordination decisions through natural inquiry by focusing on the improvement of patient outcomes. There are no prerequisites for this course.

**D056 - Care at the End of Life** - Care at the End of Life focuses on examining strategies for coping with dying and bereavement within the context of individual and cultural variations. This course will explore ethnic and cultural factors that affect an individual's response to loss. This course will cover planning and implementing ideal interventions to help individuals, families, and groups cope with loss and grief. This course will also analyze the influences of the life cycle on an individual's reaction to death. There are no prerequisites for this course.

**D057 - Health Equity and Social Determinants of Health** - Health Equity and Social Determinants of Health introduces students to the concept of health equity and social determinants of health. This course analyzes gaps in the delivery of healthcare related to race, ethnicity, social class, gender, nationality, and migration status. This course helps students gain an understanding of health disparities and interventions that promote health equity by overcoming social barriers. There are no prerequisites for this course.

**D058 - Health Literacy for the Client and Family** - Health Literacy for the Client and Family helps students recognize the importance of health literacy in overcoming healthcare barriers and creating patient-focused changes through family and patient empowerment. This course demonstrates how education, research, and technology all integrate and serve as a foundation for students as they create effective resources to improve health literacy for patients and families. This course helps students become advocates for their patients and their patients' families. There are no prerequisites for this course.

**D059 - Healthcare Values and Ethics** - Healthcare Values and Ethics requires students to synthesize an interdisciplinary approach to decision-making as it applies to healthcare professionals. This course explores the contemporary issues facing healthcare professionals, which include patient autonomy, competence, and the health professional-patient relationships. In this course, students will develop their ability to critically analyze biomedical situations related to the ethical care of an individual along with the justice in distribution of healthcare. There are no prerequisites for this course.

**D060 - Community Relations and Leadership** - Community Relations and Leadership focuses on leadership principles and how to apply them in real-world contexts. The course prepares students to analyze community needs and create change through community engagement. As leaders, the students' job is to engage in collaborative approaches with an understanding that the overarching goal is sustained success. This course helps students develop their abilities to negotiate challenges, make decisions, and act to bring stakeholders together to create transformation within communities. There are no prerequisites for this course.

**D061 - Care Coordination for the Patient (Chronic, Palliative, Behavioral, Population)** - Care Coordination for the Patient will focus on the role of the care coordinator within acute care hospitals, extended stay facilities, ambulatory care, home care, wellness, and outreach. This course will also cover operationalizing how to provide care coordination for patients with chronic disease and discuss palliative and behavioral care needs and population health. There are no prerequisites for this course.

**D062 - Health Services Coordination Field Experience** - Health Services Coordination Field Experience provides students with real-world experiences as a care coordinator. This course requires students to record 40 hours of care coordination activities. This course allows students to conduct their field experience in a variety of settings. The course educates students on how to coordinate and execute practices that facilitate the transition of care within a healthcare setting.

**D063 - Models of Care and Healthcare Trends** - Models of Care and Healthcare Trends examines the unique characteristics of healthcare models in the United States. The course explores the evolution of healthcare models from fragmented systems to cohesive, quality-centric, and patient-focused systems. The focus of the course is on emerging trends created by social and political drivers and subsequent shifts in the continuum of care as it relates to patient outcomes. This course has no prerequisites.

**D064 - Health Services Coordination Capstone** - Health Services Coordination Capstone is an integrative experience in which students draw from all subjects in the degree program to create a comprehensive product. The course will give students the opportunity to demonstrate their ability to think critically through complex healthcare situations, engage in interdisciplinary decision-making, and demonstrate effective communication to create care coordination solutions. These solutions will be a mechanism to improve patient-focused care coordination while in transition and decrease readmission rates while reducing the cost of care.

**D065 - Healthcare Ecosystems** - Healthcare Ecosystems explores the history and state of healthcare organizations in an ever-changing environment. This course covers how agencies influence healthcare delivery through legal, licensure, certification, and accreditation standards. The course will also discuss how new technologies and trends keep healthcare delivery innovative and current. There are no prerequisites for this course.

**D066 - Health and Wellness through Nutritional Science** - Nutritional ignorance or misunderstandings are at the root of the health problems that most Americans face today. Health professionals need to be armed with the most current information available about nutrition science, including how to understand nutritional content of food; implications of exercise and activity on food consumption and weight management, and management of community or population specific nutritional challenges. The Health and Wellness Through Nutritional Science course should prepare health professionals to provide support, guidance, and teaching about incorporation of sound nutritional principles into daily life for health promotion. This course covers the following concepts: nutrition to support wellness; healthy nutritional choices; nutrition and physical activity; nutrition through the lifecycle; safety and security of food; and nutrition and global health environments.

**D067 - Care of the Older Adult** - Care of the Older Adult adapts the concepts from prior coursework to the care of older adults. An understanding of the effects that policy and legislation have on how healthcare systems treat aging patients sets a foundation for improving their care. Students will apply health assessment skills and evidence-based standards in such a way to account for the specific needs of older adults. Emphasis is placed on the importance of maintaining the dignity of older adults by focusing on cultural, religious, spiritual, and communication needs, and by collaborating on care with older adults, families, and caregivers.

**D068 - Introduction to Pharmacology** - Introduction to Pharmacology provides information about drug development and approvals, pharmaceutical classifications, metabolism, and the effect of drugs on body systems. The course will introduce advancements in pharmaceutical technology, regulatory requirements within electronic health record systems, and the financial implications of pharmaceutical coding and billing. This course has no prerequisites.

**D069 - Pathophysiology** - Pathophysiology is an overview of the pathology and treatment of diseases in the human body and its systems. This course will explain the processes in the body that result in the signs and symptoms of disease, as well as therapeutic procedures in managing or curing the disease. The content draws on a knowledge of anatomy and physiology to understand how diseases manifest themselves and how they affect the body.

**D070 - Technology Applications in Healthcare** - Technology Applications in Healthcare explores how technology continues to change and influence the healthcare industry. The course examines practical managerial applications as well as the legal, ethical, and practical aspects of access to health and disease information with an emphasis on ensuring the protection of private health information. There are no prerequisites for this course.

**D071 - Financial Resource Management and Healthcare Reimbursement** - Financial Resource Management and Healthcare Reimbursement examines financial practices and reimbursement methodologies within the healthcare industry. This course covers the analysis of governmental regulations and laws ensuring alignment with billing and coding practices. This course also covers the evaluation of effective revenue cycle management focusing on the organization's financial stability. This course has no prerequisites.

**D072 - Fundamentals for Success in Business** - This introductory course provides students with an overview of the field of business and a basic understanding of how management, organizational structure, communication, and leadership styles affect the business environment. It also introduces them to some of the power skills that help make successful business professionals, including time management, problem solving, emotional intelligence and innovation; while also teaching them the importance of ethics. This course gives students an opportunity to begin to explore their own strengths and passions in relation to the field while also acclimating them to the online competency-based environment.

**D075 - Information Technology Management Essentials** - Information Technology Management Essentials includes topics such as information systems analysis, database resource management, spreadsheet literacy, and computer literacy concepts. This course will help students understand the importance of information technology in an organization and apply databases to solve business problems.

**D076 - Finance Skills for Managers** - This course provides students with an introductory look at the discipline of finance and its context within the business environment. Students gain the knowledge to differentiate between personal and business finance and how they may overlap in a business environment. Students also gain a fundamental knowledge of financial forecasting and budgeting, statement analysis, and decision making. This course provides the student a business generalist overview of the field of finance and builds on previous acquired competencies related to using spreadsheets.

**D077 - Concepts in Marketing, Sales, and Customer Contact** - Concepts in Marketing, Sales, and Customer Contact introduces students to the discipline of marketing and its role within the strategic and operational environments of a business. This course covers fundamental knowledge in the area of marketing planning, including the marketing mix, while also describing basic concepts of brand management, digital marketing, customer relationship management, and personal selling and negotiating. All of this helps students identify the role of marketing within an organization. This course provides students with a business generalist overview of the field of marketing and an exploration of the marketing major.

**D078 - Business Environment Applications I: Business Structures and Legal Environment** - Business Environment Applications 1 provides students with a generalist overview of the business environment and a deeper look at a number of topics that make up the non-discipline areas of business which are required for a business person to be successful within any business environment. The first part of the course focuses on knowledge about organizations and how people operate within organizations, including the areas of organizational theory, structure, and effectiveness. The course then looks at business from a legal perspective with an overview of the legal environment of business. The course will prepare the student to consider specific legal situations and to make legal and ethical decisions related to those situations.

**D079 - Business Environment Applications II: Process, Logistics, and Operations** - Business Environment II: Logistics, Process, and Operations provides students with a generalist overview of the business environment as they explore themes of ethics, problem-solving, and innovative thinking. This course adds to the students' business skills and knowledge in a number of professional areas. The first part of the course uncovers a series of business processes like project and risk management. The second part gives an introductory-level look at the specialized areas of operations management, supply chains, and logistics. The course finishes with models of change management and how to use them to overcome barriers in organizations.

**D080 - Managing in a Global Business Environment** - Managing in a Global Business Environment provides students with a generalist overview of business from a global perspective, while also developing basic skills and knowledge to help them make strategic decisions, communicate, and develop personal relationships in a global environment. Business today is by its very nature a global environment, and individuals working in business will experience the global nature of business as they progress through their careers. This course builds on previously acquired competencies by providing an overview of U.S. federal laws in relation to doing business in a global environment.

**D081 - Innovative and Strategic Thinking** - This course covers an important part of being a business professional: the knowledge and skills used in building and implementing business strategy. The course helps students build on previously acquired competencies in the areas of management, innovative thinking, and risk management while introducing them to the concepts and theories underpinning business strategy as a general business perspective. The course will help students gain skills in analyzing different business environments and in using quantitative literacy and data analysis in business strategy development and implementation. This course helps to provide students with a generalist overview of the area of business strategy.

**D082 - Emotional and Cultural Intelligence** - Emotional and Cultural Intelligence focuses on key personal awareness skills that businesses request when hiring personnel. Key among those abilities is communication. Students will increase their skills in written, verbal, and nonverbal communication skills. The course then looks at three areas of personal awareness including emotional intelligence (EI), cultural awareness, and ethical self-awareness – building on previously acquired competencies and adding new ones. This course helps start students on a road of self-discovery, cultivating awareness to improve both as a business professional and personally.

**D089 - Principles of Economics** - Principles of Economics provides students with the knowledge they need to be successful managers, including basic economic theories related to markets and how markets function. This course starts by defining economics, differentiating between microeconomics and macroeconomics, and explaining the fundamental economic principles of each. It then looks at microeconomics and how it is used to make business and public policy decisions, including the principles of supply, demand, and elasticity, market efficiency, cost of production, and different market structures. The course finishes by looking at macroeconomics and how it is used to make business and public policy decisions, including measurement of macroeconomic variables, aggregate supply and demand, the concepts of an open economy, and how trade policies influence domestic and international markets.

**D090 - The School as a Community of Care** - The School as a Community of Care is a key component of WGU's Professional Core and is a required course for all initial licensure candidates. This course prepares candidates to meet the social and emotional needs of learners, taking into account theories and philosophical perspectives on child and adolescent development and learning. Candidates learn to effectively collaborate with parents, families, caregivers, and other community stakeholders in each child's education, to build a strong foundation for academic and personal success. Emphasis is placed on family engagement as candidates gain knowledge of individual, cultural, and community assets that can be used to facilitate learner growth and development, as well as understand mental health and emotional differences among learners that may necessitate leveraging additional resources to support students' wellbeing. Issues of youth mental health, substance abuse, suicide awareness and prevention, and abuse within families will be addressed as will the importance of parent involvement. Candidates will engage in seven hours of preclinical experiences, which include visual observations of learning environments that involve parents and families in their children's education while supporting the social and emotional learning (SEL) needs of learners and an interview with an educational professional to explore topics related to parent involvement, youth mental health issues, and professional responsibilities to ensure student wellbeing. Additionally, crosscutting themes of technology and diversity are interwoven for further development.

**D091 - Introduction to Curriculum, Instruction, and Assessment** - Introduction to Curriculum, Instruction, and Assessment is a key component of WGU's Professional Core and is a required course for all initial licensure candidates. This course provides candidates with the knowledge and skills necessary to create engaging and standards-aligned lessons that meet the needs of all learners. Candidates will learn to analyze learner needs based on a variety of inputs, including their state P–12 standards, assessment results, and knowledge of learner differences. This course will help candidates design, deliver, and modify instruction in accordance to needs and educational requirements. Candidates will engage in three hours of preclinical experiences that include virtual classroom observations. They also will record a short teaching segment, allowing for authentic teaching experience. Cross-cutting themes of technology and diversity are interwoven for continued development.

**D092 - Educational Technology for Teaching and Learning** - Educational Technology for Teaching and Learning is a key component of WGU's professional core and is a required course for all initial licensure candidates. This course prepares candidates to incorporate technology into their classroom practices in ways that improve teaching and learning. The ISTE standards will form the basis for their practice. The material will teach candidates to critically evaluate software and hardware options that may positively impact the classroom environment, while also increasing their awareness of ethical usage and considerations related to equity, access to technology, and appropriate use of technology by P–12 students. Assistive technologies to meet the needs of a diverse learner population also will be taught in this course. Candidates will engage in three hours of preclinical experience that include virtual observations of classroom practices incorporating technology to support educational goals. Cross-cutting themes of technology and diversity are interwoven for further development.

**D093 - Assessing Impact on Student Learning** - Assessing Impact on Student Learning is a key component of WGU's Professional Core and is a required course for all initial licensure candidates. This course equips candidates to evaluate student learning and their own professional practice, ensuring candidates are prepared to ensure all learners' success. In this course, candidates learn multiple methods of assessment to ensure they are able to implement a balanced approach to assessment while monitoring their students' progress. Assessments types such as formative, summative, standardized, and common assessments are addressed so candidates understand their purposes and can apply them within the context of a lesson to determine impact on learning. Data literacy skills are taught to ensure candidates interpret and analyze individual and classroom data and apply their knowledge in ways that support academic success. Candidates will engage in three hours of preclinical experiences that include virtual classroom observations. Cross-cutting themes of technology and diversity are interwoven for further development.

**D094 - Educational Psychology and Development of Children and Adolescents** - Educational Psychology and Development of Children and Adolescents is a key component of WGU's Professional Core and is a required course for all initial licensure candidates. This course prepares candidates to support classroom practices grounded in research-validated principles from the areas of educational psychology and child/adolescent development. Candidates will be introduced to learning theories that equip them with the knowledge and skills necessary to support the diverse populations of students with whom they will interact. This course addresses theories of human development, spanning early childhood through adolescence, and candidates completing this course will be able to explain and analyze the guiding perspectives on linguistic, physical, cognitive, and social development. This course will also cover appropriate instructional and assessment strategies to support student learning and development. Candidates will engage in four hours of virtual classroom observations related to issues in educational psychology and learner development. Cross-cutting themes of technology and diversity are interwoven for further development.

**D095 - Managing Engaging Learning Environments** - Managing Engaging Learning Environments is a key component of WGU's Professional Core and is a required course for all initial licensure candidates. This course prepares candidates to establish and contribute to safe and productive learning environments that support the success of all learners by ensuring student engagement and motivation for learning. Candidates will learn strategies, such as incorporating consistent routines and expectations, to provide positive behavior supports, increase learner motivation, promote active learning and self-direction, and ensure a safe and productive classroom setting that fosters a sense of community through collaborative educational practices. The course will culminate in evidence-based, practical application of current strategies, theories, or philosophical perspectives related to motivating and engaging all students in a learning community. Candidates will engage in seven hours of preclinical experiences that include both virtual observations of classroom settings and time in a simulated classroom environment where theory can be put into practice. Cross-cutting themes of technology and diversity are interwoven for further development.



**D096 - Fundamentals of Diverse Learners** - Fundamentals of Diverse Learners is a key component of WGU's Professional Core and is a required course for all initial licensure candidates. This course prepares candidates to consider and address the wide range of learning needs in the classrooms of today. This course teaches candidates to identify and support the needs of diverse populations of learners, including, for example, students with disabilities (including Dyslexia), students who are English language learners, and students who are gifted and talented. Practical strategies for differentiating instruction while creating a safe, inclusive, and culturally responsive learning environment are explored. This course helps candidates develop skills for partnering with parents and advocating for all students, particularly those impacted by provisions of IDEA and Section 504 of the Rehabilitation Act. Multitiered systems of support are addressed to prepare candidates for their future classrooms as they seek to select appropriate instructional practices and interventions to best serve their students. Candidates will engage in four hours of preclinical experiences that include a simulated teaching experience in which skills learned can be applied. Cross-cutting themes of technology and diversity are interwoven for further development.

**D097 - Educational Foundations** - Educational Foundations is a key component of WGU's Professional Core and is a required course for all initial licensure candidates. The course provides candidates with early classroom experience where they observe multiple school settings at three different levels of schooling and interview an educator to learn how state standards and various legal and ethical issues affect classrooms today. The course also provides candidates with opportunities to gain foundational knowledge about what it means to be a teacher in the current educational context while exploring their future role within the larger landscape of historical and cultural influences. This course ensures candidates have a firm grasp on important issues affecting educators including state standards-based curriculum, legal and ethical requirements affecting educational opportunities, and professionalism, preparing them for subsequent coursework within the Professional Core and their content area major courses. Five preclinical hours are interwoven throughout this course, and cross-cutting themes of technology and diversity are introduced for further development throughout the candidate's programs.

**D098 - Digital Marketing** - This course provides students with a knowledge of digital marketing and an introduction to specializations within digital marketing. Foundational knowledge in the areas of content marketing, digital advertising, search engine optimization, social media, web development and analysis, and marketing automation is provided. Students gain a broad overview of digital marketing and an opportunity to explore specific areas of specialization within the field of digital marketing to understand how digital marketing is integrated within a firm's overall marketing strategy.

**D099 - Sales Management** - This course provides students with knowledge on the sales profession, customer relationship management, and sales management functions. Students gain insights into the sales process, the relationship between sales and marketing, and the responsibilities of sales management within both business-to-consumer (B2C) and business-to-business (B2B) selling environments.

**D100 - Introduction to Spreadsheets** - The Introduction to Spreadsheets course will help students become proficient in using spreadsheets to analyze business problems. Students will demonstrate competency in spreadsheet development and analysis for business applications (e.g., using essential spreadsheet functions, formulas, tables, charts, etc.). Introduction to Spreadsheets has no prerequisites.

**D101 - Cost and Managerial Accounting** - Cost and Managerial Accounting focuses on the concepts and procedures needed to identify, collect, and interpret accounting data for management control and decision-making. Topics covered include budgeting, cost-volume-profit analysis, job costing, process costing, activity-based costing, standard costing, and differential analysis. Prerequisites include Principles of Accounting and Financial Accounting.

**D102 - Financial Accounting** - Financial Accounting focuses on ways in which accounting principles are used in business operations. Students learn the basics of financial accounting, including how the accounting cycle is used to record business transactions under generally accepted accounting principles (GAAP). Students will also be introduced to the concepts of assets, liabilities, and equity. This course also presents bank reconciliation methods, balance sheets, and business ethics. Principles of Accounting is a prerequisite for this course.

**D103 - Intermediate Accounting I** - Intermediate Accounting I is the first of three in-depth financial accounting courses for accounting majors. The course builds upon topics covered in Principles of Accounting and Financial Accounting. The course focuses on financial accounting and accounting standards; the conceptual framework of the U.S. generally accepted accounting principles (GAAP); the income statement, the statement of cash flows, and the balance sheet; cash and receivables; and inventory valuation. The prerequisite to this course is Financial Accounting.

**D104 - Intermediate Accounting II** - Intermediate Accounting II is the second of three in-depth financial accounting courses for accounting majors. The course focuses on acquisition and disposition of noncurrent assets; depreciation, impairments, and depletion; intangible assets; current liabilities and contingencies; long-term obligations; stockholders' equity; dilutive securities; and time value of money concepts. The prerequisite to this course is Intermediate Accounting I.

**D105 - Intermediate Accounting III** - Intermediate Accounting III provides comprehensive coverage of investments, revenue recognition, accounting for income taxes, pension plans, and leases. This course completes the intermediate accounting journey. The course explores further advanced topics, including accounting changes and error analysis, full disclosure requirements in financial reporting, and interpretation of the statement of cash flows. Intermediate Accounting I and II are the prerequisites for this course.

**D115 - Advanced Pathophysiology for the Advanced Practice Nurse** - Advanced Pathophysiology for the Advanced Practice Nurse prepares the graduate nursing student for the role of an advanced practice nurse with the competencies and skills needed to recognize disease states, identify disease progression, and assess and evaluate symptoms for patients across the lifespan. This course will help the graduate nursing student gain a deeper understanding of pathophysiology from the cellular to the systems level and will provide graduate nursing students with the knowledge and skills to determine the etiology, underlying physiological changes, and the human affective responses to alterations in health. This course will also prepare the graduate nursing student to communicate the pathophysiology of disease processes to providers and patients.

**D116 - Advanced Pharmacology for the Advanced Practice Nurse** - Advanced Pharmacology for the Advanced Practice Nurse prepares the graduate nursing student for the role of an advanced practice nurse with the competencies and skills for prescribing and monitoring medication safely and effectively. This course will prepare the graduate nursing student to apply pharmacotherapeutics in primary care settings by utilizing the pivotal basis of pharmacokinetics and pharmacodynamics. This course will also prepare the graduate nursing student to select the correct medication, describe the rationale for that selection to the patient, family, and other providers, and to effectively monitor the patient to promote positive drug outcomes.

**D117 - Advanced Health Assessment for the Advanced Practice Nurse** - Advanced Health Assessment prepares the graduate nursing student to perform the role of an advanced practice nurse with the essential competencies necessary to provide primary health care to patients and families of diverse populations. Students will develop the skills needed for systematically collecting and analyzing subjective and objective patient data. Through simulation and clinical experiences, students will use data to determine current and ongoing patient health status, predict health risks, and identify health-promoting activities for patients across the lifespan. Advanced Health Assessment will prepare the nursing graduate with the critical thinking, clinical reasoning, and advanced diagnostic skills required for advanced practice nursing. Upon completion of Advanced Health Assessment, the graduate will be able to synthesize individual and systems level subjective and objective data to facilitate the differential diagnosis processes. Also, the graduate will be able to clearly describe to patients and providers the pertinent health assessment findings and rationale supporting the diagnostic process.

**D118 - Adult Primary Care for the Advanced Practice Nurse** - Adult Primary Care for the Advanced Practice Nurse prepares the graduate nursing student to perform the role of an advanced practice nurse with the essential competencies and skills necessary to provide primary healthcare to adult patients and families. This course will prepare the graduate nursing student to demonstrate competence in leading health promotion and disease prevention activities; diagnosing, managing, and coordinating care for patients with acute and chronic conditions; and empowering patients to pursue positive health outcomes. This course will also prepare the graduate nursing student to collaborate with adult patients to develop effective plans of care that build patient self-efficacy in the process of preventing and treating disease. The following prerequisite courses are required prior to taking this course: All MSN Core courses and NP Core courses.

**D119 - Pediatric Primary Care for the Advanced Practice Nurse** - Pediatric Primary Care for the Advanced Practice Nurse prepares the graduate nursing student to perform the role of an advanced practice nurse with the essential competencies and skills necessary to provide primary healthcare to pediatric patients, from infancy through adolescence, and their families in an outpatient setting. This course will prepare the graduate nursing student to demonstrate competence in leading health promotion and disease prevention activities; in diagnosing, managing, and coordinating care for pediatric patients with acute and chronic conditions; and in empowering patients and their families in pursuing positive health outcomes. This course will also prepare the graduate nursing student to collaborate with pediatric patients and their families in developing effective plans of care that build patient and family self-efficacy in the process of preventing and treating disease. The following prerequisite courses are required prior to taking this course: All MSN Core courses and NP Core courses.

**D120 - Special Populations Primary Care for the Advanced Practice Nurse** - Special Populations Primary Care for the Advanced Practice Nurse prepares the graduate nursing student to perform the role of an advanced practice nurse with the essential competencies and skills necessary to provide primary healthcare to unique patient populations in the outpatient setting. This course will prepare the graduate nursing student to demonstrate competence in leading health promotion and disease prevention activities; in diagnosing, managing, and coordinating care for patients with specific disease processes; and in empowering patients and their families in pursuing positive health outcomes. This course will also prepare the graduate nursing student to collaborate with unique patient populations and their families in developing effective plans of care that build self-efficacy in the process of preventing and treating specific disease processes. The following prerequisite courses are required prior to taking this course: All MSN Core courses and NP Core courses.

**D121 - Health Promotion of Patients and Populations Across the Lifespan** - Health Promotion of Patients and Populations Across the Lifespan prepares the graduate nursing student to perform the role of an advanced practice nurse with the essential competencies and skills necessary to provide health promotion activities to individuals and populations. This course will prepare the graduate nursing student to incorporate individual characteristics, population factors, and social determinants of health (SDOH) in determining the most efficient use of finite resources in leading health promotion activities. This course will also prepare the graduate nursing student to lead health promotion activities for individuals and specific populations across the lifespan. The following prerequisite courses are required prior to taking this course: All MSN Core courses and NP Core courses.

**D122 - Family Nurse Practitioner Clinical Internship I** - Family Nurse Practitioner Clinical Internship I prepares the graduate nursing student to perform the role of an advanced practice nurse with the essential competencies and skills necessary to deliver primary care to individuals, families, and groups throughout the life span. Using the precepted clinical setting, this course will provide opportunities for the graduate nursing student to combine competencies developed in preparatory advanced practice coursework to deliver patient-centered healthcare. This course will also provide the graduate nursing student with opportunities to conduct advanced health assessments and use the competencies of advanced pathophysiology, pharmacology, and health promotion for individuals and populations across the life span to build self-efficacy in individuals and groups, determine correct diagnoses, and establish plans of care that include patient and population preferences. All MSN Core Courses, NP Core courses, and FNP Specialty courses must be completed before taking this course.

**D123 - Family Nurse Practitioner Clinical Internship II** - Family Nurse Practitioner Clinical Internship II prepares the graduate nursing student to perform the role of an advanced practice nurse with the essential competencies and skills necessary to deliver primary care to individuals, families, and groups throughout the life span. In the precepted clinical setting, the student will combine competencies developed in preparatory advanced practice coursework to deliver consumer-centered healthcare. The student will conduct advanced health assessments and use the competencies of advanced pathophysiology, pharmacology, and health promotion for individuals and populations across the life span to build self-efficacy in individuals and groups, determine correct diagnoses, and establish plans of care that include consumer and population preferences. All MSN Core Courses, NP Core courses, and FNP Specialty courses must be completed before taking this course.

**D124 - Family Nurse Practitioner Clinical Internship III** - Family Nurse Practitioner Clinical Internship III prepares the graduate nursing student to perform the role of an advanced practice nurse with the essential competencies and skills necessary to deliver primary care to individuals, families, and groups across throughout the lifespan. In the precepted clinical setting, the student will combine competencies developed in preparatory advanced practice coursework to deliver consumer-centered healthcare. Therefore, the graduate will conduct advanced health assessments and utilize the competencies of advanced pathophysiology, pharmacology, and health promotion for individuals and populations across the life span to build self-efficacy in individuals and groups, to determine correct diagnoses, and to establish plans of care that include consumer and population preferences. All MSN Core Courses, NP Core courses, and FNP Specialty courses must be completed before taking this course.

**D125 - Mathematics for Elementary Educators I** - Mathematics for Elementary Educators I guides preservice elementary teachers in an investigation of number systems, place value, number theory, and ratio and proportion. This is the first course in a three-course sequence. There are no prerequisites for this course.

**D126 - Mathematics for Elementary Educators II** - Mathematics for Elementary Educators II engages preservice elementary school teachers in mathematical practices of algebraic reasoning. This course explores important algebraic topics such as patterns, expressions and equations, linear equations, inequalities, and functions. This is the second course in a three-course sequence.

**D127 - Mathematics for Elementary Educators III** - Mathematics for Elementary Educators III engages preservice elementary teachers in important concepts in geometry, measurement, data analysis and statistics, and probability. This is the third course in a three-course sequence.

**D128 - Mathematics for Elementary Educators** - Mathematics for Elementary Educators engages preservice elementary teachers in important concepts in geometry, measurement, data analysis and statistics, and probability.

**D130 - Supervised Demonstration Teaching in Elementary Education, Observations 1 and 2** - Supervised Demonstration Teaching in Elementary Education involves a series of classroom performance observations by the host teacher and clinical supervisor that develop comprehensive performance data about the teacher candidate's skills.

**D131 - Supervised Demonstration Teaching in Elementary Education, Observation 3 and Midterm** - Supervised Demonstration Teaching in Elementary Education involves a series of classroom performance observations by the host teacher and clinical supervisor that develop comprehensive performance data about the teacher candidate's skills.

**D132 - Supervised Demonstration Teaching in Elementary Education, Observations 4 and 5** - Supervised Demonstration Teaching in Elementary Education involves a series of classroom performance observations by the host teacher and clinical supervisor that develop comprehensive performance data about the teacher candidate's skills.

**D133 - Supervised Demonstration Teaching in Elementary Education, Observation 6 and Final** - Supervised Demonstration Teaching in Elementary Education involves a series of classroom performance observations by the host teacher and clinical supervisor that develop comprehensive performance data about the teacher candidate's skills.

**D134 - Supervised Demonstration Teaching in Mathematics, Observations 1 and 2** - Supervised Demonstration Teaching in Mathematics involves a series of classroom performance observations by the host teacher and clinical supervisor that develop comprehensive performance data about the teacher candidate's skills.

**D135 - Supervised Demonstration Teaching in Mathematics, Observation 3 and Midterm** - Supervised Demonstration Teaching in Mathematics involves a series of classroom performance observations by the host teacher and clinical supervisor that develop comprehensive performance data about the teacher candidate's skills.

**D136 - Supervised Demonstration Teaching in Mathematics, Observations 4 and 5** - Supervised Demonstration Teaching in Mathematics involves a series of classroom performance observations by the host teacher and clinical supervisor that develop comprehensive performance data about the teacher candidate's skills.

**D137 - Supervised Demonstration Teaching in Mathematics, Observation 6 and Final** - Supervised Demonstration Teaching in Mathematics involves a series of classroom performance observations by the host teacher and clinical supervisor that develop comprehensive performance data about the teacher candidate's skills.

**D138 - Supervised Demonstration Teaching in Science, Observations 1 and 2** - Supervised Demonstration Teaching in Science involves a series of classroom performance observations by the host teacher and clinical supervisor that develop comprehensive performance data about the teacher candidate's skills.

**D139 - Supervised Demonstration Teaching in Science, Observation 3 and Midterm** - Supervised Demonstration Teaching in Science involves a series of classroom performance observations by the host teacher and clinical supervisor that develop comprehensive performance data about the teacher candidate's skills.

**D140 - Supervised Demonstration Teaching in Science, Observations 4 and 5** - Supervised Demonstration Teaching in Science involves a series of classroom performance observations by the host teacher and clinical supervisor that develop comprehensive performance data about the teacher candidate's skills.

**D141 - Supervised Demonstration Teaching in Science, Observation 6 and Final** - Supervised Demonstration Teaching in Science involves a series of classroom performance observations by the host teacher and clinical supervisor that develop comprehensive performance data about the teacher candidate's skills.

**D142 - Supervised Demonstration Teaching in English, Observations 1 and 2** - Supervised Demonstration Teaching in English involves a series of classroom performance observations by the host teacher and clinical supervisor that develop comprehensive performance data about the teacher candidate's skills.

**D143 - Supervised Demonstration Teaching in English, Observation 3 and Midterm** - Supervised Demonstration Teaching in English involves a series of classroom performance observations by the host teacher and clinical supervisor that develop comprehensive performance data about the teacher candidate's skills.

**D144 - Supervised Demonstration Teaching in English, Observations 4 and 5** - Supervised Demonstration Teaching in English involves a series of classroom performance observations by the host teacher and clinical supervisor that develop comprehensive performance data about the teacher candidate's skills.

**D145 - Supervised Demonstration Teaching in English, Observation 6 and Final** - Supervised Demonstration Teaching in English involves a series of classroom performance observations by the host teacher and clinical supervisor that develop comprehensive performance data about the teacher candidate's skills.

**D146 - Teacher Performance Assessment in Elementary Education** - The Teacher Performance Assessment course is a culmination of the wide variety of skills learned during a student's time in the Teachers College at WGU. In order to be a competent and independent classroom teacher, students will showcase a collection of their content, planning, instructional, and reflective skills.

**D147 - Teacher Performance Assessment in Elementary and Special Education** - The Teacher Performance Assessment course is a culmination of the wide variety of skills learned during your time in the Teachers College at WGU. In order to be a competent and independent classroom teacher, you will showcase a collection of your content, planning, instructional, and reflective skills.

**D148 - Teacher Performance Assessment in Mathematics Education** - The Teacher Performance Assessment course is a culmination of the wide variety of skills learned during your time in the Teachers College at WGU. In order to be a competent and independent classroom teacher, you will showcase a collection of your content, planning, instructional, and reflective skills.

**D149 - Teacher Performance Assessment in Special Education** - Teacher Performance Assessment in Special Education course is a culmination of the wide variety of skills learned during your time in the Teachers College at WGU. In order to be a competent and independent classroom teacher, you will showcase a collection of your content, planning, instructional, and reflective skills.

**D150 - Teacher Performance Assessment in Science** - Teacher Performance Assessment in Science course is a culmination of the wide variety of skills learned in the Teachers College at WGU. In order to be a competent and independent classroom teacher, students will showcase a collection of content, planning, instructional, and reflective skills.

**D151 - Professional Portfolio** - Professional Portfolio requires candidates to create an online teaching portfolio that demonstrates professional beliefs, growth, and effective teaching practices from the Demonstration Teaching experience. The portfolio includes reflective essays (educational beliefs, professional growth, and collaboration with stakeholders) and professional artifacts (resume and artifacts with commentary on academic language, systems of student support, education technology, and professional communication with families) developed and acquired during Demonstration Teaching.

**D152 - Inclusive Classroom** - Inclusive Classroom introduces and prepares candidates to use a repertoire of evidence-based instructional strategies to advance the learning of elementary students with mild to moderate exceptionalities. The beginning of the course focuses on multitiered systems of support. Strategies for intensifying and individualizing instructional interventions, such as making instructional decisions based on progress monitoring data and collaborating with the special education teacher, are targeted. The second portion of the course provides opportunities for candidates to incorporate intensive instructional strategies and practice making accommodations to elementary math and literacy lesson plans based on learner characteristics, performance data, and Individualized Education Program (IEP) goals. This course is designed to be taken by candidates after they have completed D091, Introduction to Curriculum, Instruction and Assessment; C365 Lang. Arts Instruction and Intervention; C909, Elementary Reading Methods and Interventions; and C109, Elementary Mathematics Methods.

**D153 - Penetration Testing and Vulnerability Analysis** - Penetration Testing and Vulnerability Analysis introduces students to the skills necessary to perform penetration testing and vulnerability management within an organization. The course covers widely used penetration testing techniques that focus on planning and scoping, information gathering, vulnerability identification, and attacks and exploits. The course also introduces students to tools that can be used for penetration testing, reporting, and communication.

**D155 - Leading with Personal Mastery** - Leading with Personal Mastery prepares the advanced professional nurse to demonstrate self-awareness, self-management, executive function, and social awareness skills while leading and managing in diverse healthcare settings. In this course, students will learn how to incorporate these skills when developing personal relationships and building teams. Developing both social and emotional intelligence as a nurse leader will ensure that students have the ability develop strong relationships and make wise decisions when interacting with others. Increasing personal mastery will provide students with a set of tools and strategies to improve healthcare by producing high-quality results. Understanding their strengths and weaknesses, as a leader in healthcare will help students create a vision for success that includes making choices that will help balance their work life more effectively.

**D156 - Business Case Analysis for Healthcare Improvement** - Business Case Analysis for Healthcare Improvement provides learning experiences that help students develop essential skills for proposing changes that improve and enhance healthcare outcomes. In this course, students will develop a business case during the early stages of a project by assessing the need for the project and the feasibility of initiating a project. Understanding the techniques used to develop a business case will provide students with the skills to obtain buy-in from key stakeholders and determine the best value strategy. Writing a strong business case presents the benefits, challenges, costs, and risks of moving forward with the project or maintaining status quo. It compares the current situation to a future vision so key stakeholders can make data-driven decisions to move forward with the project. During the development of a business case in this course, students will collaborate with internal and external stakeholders to initiate a healthcare improvement project (HIP) that is grounded in project management principles and influenced by stakeholder perspectives.

**D157 - Managing Resources in an Era of Disruption** - Managing Human and Financial Resources in an Era of Disruption examines the main premise of people and fiscal leadership. This includes the promotion of healthy work environments through the development of programs in support of mitigating behavior problems for the betterment of work-life balance. Students will analyze business model budgets, revenue streams, and human and financial resource allocation, develop training programs to evaluate compliance and regulatory requirement, and create team building experiences to promote high performing teams by improving engagement, establishing trust, and achieving common goals. Students will assess an organization's mission, vision, and values to establish alignment between healthcare improvement and an organization's principles for management. Changes in healthcare are inevitable, as the business success strategies used in the past are not sufficient for surviving in an era of persistent disruption. This course will help students develop the skills nurse leaders need to become partners in recommending innovative strategies that promote value-based healthcare for the future.

**D158 - Strategically Planning the Execution of a Healthcare Improvement Project** - Strategically Planning the Execution of a Healthcare Improvement Project will help students develop the skills for systems thinking, problem-solving, and data-driven decision-making. In this course, students will plan the implementation of a healthcare improvement project by identifying people, processes, and procedures that need to be in place for implementation. In addition, sociodemographic data on the population that may be affected by the healthcare improvement project will be analyzed to determine risks and opportunities. During this phase, students will perform an assessment of the forces for and against implementing the project. They will also identify short-term objectives and create action plans to align to the vision, mission, and values of the organization where the project will be implemented. Students will also examine the evolution of existing policies, procedures, and processes at the systems level for the purpose of advocating change that will support a healthcare improvement project. During this course, students will plan the implementation of their healthcare improvement project through the use of sociodemographic and health data, strategic planning, and a comprehensive integration of quality and safety concepts.

**D159 - Evidence-Based Measures for Evaluating Healthcare Improvements** - Evidence-based measures for evaluating healthcare improvements is an essential component of the planning phase of the healthcare improvement project. In this course, students will determine key performance indicators and metrics used to determine the success of a healthcare improvement project (HIP). The student will develop collaborative partnerships and build consensus with stakeholders to determine how specific data will be collected, managed, and analyzed. This is also an opportunity to discuss data issues and technologies needed for the project. To accomplish this phase, students will also determine the parameters, procedures, and technologies needed for data collection, management, analysis, and reporting.

**D160 - Nursing Leadership and Management Field Experience** - The Nursing Leadership and Management Field Experience course provides an opportunity for students to apply the knowledge and skills they developed in previous courses toward the successful implementation of their healthcare improvement project (HIP). This phase puts into action all the components of project management that were planned and developed while working collaboratively with key stakeholders to establish the need and feasibility of the HIP, analyzing the organizational readiness for change, and planning the implementation and evaluation phases. In this phase, students will develop and implement a training plan for staff, managers, and leaders. They will also implement the communication plan they developed in a previous course. They will also manage the implementation process by applying organizational standards and practices. Students will demonstrate strong leadership skills when meeting with stakeholders to report the status of the implementation phase and collaboratively problem-solve risks. Completion of the specialty courses is a pre-requisite for this course.

**D161 - Nursing Leadership and Management Capstone** - The Nursing Leadership and Management Capstone provides students with an opportunity to evaluate and close their capstone project. This is the final course in the MSN Leadership and Management program. Students will evaluate the success of their healthcare improvement project (HIP) by analyzing results, using the key performance indicators and metrics that were identified while planning the evaluation phase. Students will present the results of the improvement project in a final report and presentation with a focus on lessons learned throughout each of the phases: initiation, planning, implementation, and evaluation. Reflective and analytic thinking are essential aspects of a capstone project, as students reflect and report on the successes and challenges encountered in each phase. In this course, students will also have an opportunity to earn the Certified Professional in Healthcare Quality certification by completing and passing the National Association for Healthcare Quality (NAHQ) CPHQ Certification test. Nursing Leadership and Management Field Experience is a prerequisite for this course.

**D162 - Secondary Disciplinary Literacy** - Secondary Disciplinary Literacy examines teaching strategies designed to help learners in middle and high school improve upon the literacy skills required to read, write, and think critically while engaging content in different academic disciplines. Themes include exploring how language structures, text features, vocabulary, and context influence reading comprehension across the curriculum. Course content highlights strategies and tools designed to help teachers assess the reading comprehension and writing proficiency of learners and provides strategies to support student reading and writing success in all curriculum areas. This course has no prerequisites.

**D163 - Secondary Reading Instruction and Interventions** - Secondary Reading Instruction and Intervention explores the comprehensive, student-centered Response to Intervention (RTI) assessment and intervention model used to identify and address the needs of learners in middle school and high school who struggle with reading comprehension and/or information retention. Course content provides educators with effective strategies designed to scaffold instruction and help learners develop increased skill in the following areas: reading, vocabulary, text structures and genres, and logical reasoning related to the academic disciplines. This course has no prerequisites.

**D164 - Elementary Disciplinary Literacy** - Elementary Disciplinary Literacy examines teaching strategies designed to help learners in grades K–6 develop the literacy skills necessary to read, write, and think critically while engaging content in different academic disciplines. Course content highlights strategies to help learners distinguish between the unique characteristics of informational texts while improving comprehension and writing proficiency across the curriculum. Strategies to encourage inquiry and cultivate skills in critical thinking, collaboration, and creativity are also addressed. This course is designed to be taken after successful completion of Introduction to Curriculum, Instruction, and Assessment OR Instructional Planning and Presentation in Elementary Education.

**D165 - Children's Literature** - Children's Literature is an introduction to and exploration of children's literature. Students will consider and analyze children's literature as a lens through which to view the world. Students will experience multiple genres, historical perspectives, cultural representations, and current applications in the field of children's literature. This course is designed to be taken after successful completion of Introduction to Curriculum, Instruction, and Assessment OR Instructional Planning and Presentation in Elementary Education.

**D166 - Foundations of Education** - Foundations of Education is a key component of WGU's Professional Core and is a required course for all Master of Arts in Teaching candidates. This course introduces candidates to foundational knowledge about the teaching profession in the current educational context and the historical and cultural influences on P-12 education in the United States. This course addresses important topics that affect educators today including state standards-based curriculum, legal and ethical requirements, and professionalism. This course will culminate in evidence-based, practical application of current strategies, theories, or philosophical perspectives related to becoming an effective educator within the current school context. Candidates will engage in five hours of preclinical experiences, which include virtual observations of learning environments in multiple school settings, and an interview with an educator to gain insight on how these topics affect and inform teaching practice. Cross-cutting themes of technology and diversity are introduced for further development throughout the candidate's programs.

**D168 - Schools as Communities of Care** - Schools as Communities of Care is a key component of WGU's Professional Core and is a required course for all Master of Arts in Teaching candidates. This course introduces candidates to strategies for providing a culturally inclusive learning environment that meets the social and emotional needs of learners while taking into account theories and philosophical perspectives on child and adolescent development and learning. Emphasis is placed on fostering a collaborative relationship with families, caregivers, and community stakeholders, and on leveraging community resources to support each learner's growth and well-being to build a strong foundation for their academic and personal success. Topics addressed include culturally responsive practice, social and emotional learning (SEL), youth mental health, substance abuse, suicide awareness and prevention, abuse within families, and professional responsibilities to ensure student wellbeing. The course will culminate in evidence-based, practical application of strategies that support the whole child in a community of care. Candidates will engage in seven hours of preclinical experiences, include virtual observations of learning environments that involve parents and families in their children's education and an interview with an educational professional. Cross-cutting themes of technology and diversity are interwoven for further development.

**D169 - Essential Practices for Supporting Diverse Learners** - Fundamentals of Diverse Learners is a key component of WGU's Professional Core and is a required course for all initial licensure candidates. This course prepares candidates to consider and address the wide range of learning needs in the classrooms of today. This course teaches candidates to identify and support the needs of diverse populations of learners, including, for example, students with disabilities (Including Dyslexia), students who are English language learners, and students who are gifted and talented. Practical strategies for differentiating instruction while creating a safe, inclusive, and culturally responsive learning environment are explored. This course helps candidates develop skills for partnering with parents and advocating for all students, particularly those impacted by provisions of IDEA and Section 504 of the Rehabilitation Act. Multitiered systems of support are addressed to prepare candidates for their future classrooms as they seek to select appropriate instructional practices and interventions to best serve their students. Candidates will engage in four hours of preclinical experiences that include a simulated teaching experience in which skills learned can be applied. Cross-cutting themes of technology and diversity are interwoven for further development.

**D170 - Creating and Managing Engaging Learning Environments** - Creating and Managing Engaging Learning Environments is a key component of WGU's Professional Core and is a required course for all Master of Arts in Teaching candidates. This course provides candidates with research-based strategies and approaches to establishing and maintaining a safe and productive learning environment that supports the success and well-being of all P-12 learners. Topics addressed include consistent routines and expectations, student engagement, positive behavior support, motivation and its effect on student achievement, active learning and self-direction, and fostering a sense of community through collaboration. Candidates will design a classroom management plan for their future classroom based on theory and high-leverage practices for meeting the diverse needs of learners in a productive and collaborative learning environment. The course will culminate in evidence-based, practical application of current strategies to motivate and engage students in specific content areas. Candidates will engage in seven hours of preclinical experiences that include both virtual observations of classroom settings and time in a simulated classroom environment where theory can be put into practice. Cross-cutting themes of technology and diversity are interwoven for further development.

**D171 - Curriculum, Instruction, and Assessment** - Curriculum, Instruction, & Assessment is a key component of WGU's Professional Core and is a required course for all Master of Arts in Teaching candidates. This course provides candidates with theoretical foundations and strategies for creating engaging and standards-aligned lessons that meet the needs of all learners in the P-12 classroom. This course focuses on the interrelationship between curriculum, instruction, and assessment, with emphasis on the role of assessment and student data in planning, designing, delivering, and modifying instruction in accordance with diverse learner needs. This course will culminate in the application of evidence-based strategies related to the interdependence of and alignment among curriculum, instruction, and assessment in student-centered P-12 teaching and learning. Candidates will engage in three hours of preclinical experiences, which include conducting virtual classroom observations and recording a short teaching segment. Cross-cutting themes of technology and diversity are interwoven for continued development.

**D172 - Assessing Student Learning** - Assessing Student Learning is a key component of WGU's Professional Core and is a required course for all Master of Arts in Teaching candidates. This course provides candidates with methods and best practices for using assessment to monitor student progress and to evaluate the effectiveness of instruction. This course focuses on implementing a balanced approach to assessment using multiple assessment types such as formative, summative, standardized, and common assessments. Also covered are data literacy skills for interpreting and analyzing individual learner and classroom data to improve instruction and support academic success for all learners. The course will culminate in evidence-based, practical application of strategies for assessment practices in P-12 schools. Candidates will engage in three hours of preclinical experiences that include virtual classroom observations. Cross-cutting themes of technology and diversity are interwoven for further development.

**D173 - Using Educational Technology for Teaching and Learning** - Using Educational Technology for Teaching and Learning is a key component of WGU's professional core and is a required course for all Master of Arts in Teaching candidates. This course presents strategies for integrating technology into classroom practices to improve instruction and student learning according to the International Society for Technology in Education (ISTE) standards. Candidates will evaluate digital tools and their potential classroom applications such as enhancing curriculum, enabling communication with students and families, and increasing student engagement. Topics covered include ethics, equity and access to technology, and appropriate use of technology by P-12 students. Assistive technologies to meet the needs of a diverse learner population also will be addressed. The course will culminate in evidence-based, practical application of current standards, strategies, theories, or philosophical perspectives related to the use of technology in teaching and learning. Candidates will engage in three hours of preclinical experience that include virtual observations of classroom practices incorporating technology to support educational goals. Cross-cutting themes of technology and diversity are interwoven for further development.

**D174 - Marketing Management** - Marketing Management examines foundational marketing concepts. Marketing is ever-present in our daily lives and this course will help students understand how organizations use marketing activities to create value for their customers. Students will study the strategic marketing planning process and the marketing mix of product, price, place, and promotion. Students will gain knowledge about the market research process and how data are used to inform marketing decisions. Emphasis will be placed on ethical and sustainable marketing practices, along with a focus on service marketing in today's service economy. This course will provide students with a basic marketing understanding to prepare them for specialized major courses.

**D175 - Consumer Behavior** - Consumer Behavior examines the buying behavior of consumers in the marketplace. Students will gain knowledge of consumer behavior theories and an understanding of how consumer behavior concepts apply to the consumer decision-making process. Students will learn how consumer insights are gained through the exploration of external social and cultural influences such as reference groups, family, and culture, as well as consumer influences such as needs, motivation, personality, and learning. The course also provides an interdisciplinary perspective, including psychology, sociology, anthropology, and economics, to better evaluate and predict consumer behavior.

**D176 - Content Marketing** - Content Marketing examines how organizations create and distribute marketing communications to attract and retain customers. Students will gain knowledge of the content planning process and how content marketing supports brand and organizational goals by learning how to create, distribute, promote, and measure relevant and valuable content. Students will learn content ideation and will write compelling copy that creates relationships with customers to build trust and enhance an organization's reputation and authority.

**D177 - Brand Management** - Brand Management examines how brands provide value to both consumers and organizations. Brands are a part of a consumer's everyday life and organization's strategically plan, measure, and manage brands. In this course, students will apply the strategic brand management process using a customer-based brand equity model. Students will identify how brand strategies are used and how brand associations are leveraged to create a competitive advantage. Brand equity measurement systems are explored, including brand audits and tracking studies that use qualitative and quantitative brand research techniques. Students will construct a brand architecture strategy by identifying brand extension opportunities to develop an appropriate branding strategy in a global marketplace. Reputation-management strategies and crisis management techniques are also taught to assist in preserving and protecting an organization's brand equity.

**D178 - Marketing Strategy and Analytics** - Marketing Strategy and Analytics is the capstone course for the marketing major. The course provides students with the opportunity to demonstrate competencies developed throughout the program by engaging in the design, implementation, and analysis of a marketing strategy. Students are given business scenarios using simulations and case studies to apply critical-thinking and decision-making skills. Students will analyze the business environment and make decisions about market segmentation, buyer behavior, and the marketing mix. Students will demonstrate the relationship between strategy and analytics by using marketing analytics to report marketing campaign results and make recommendations. This course provides students with real-world application to prepare them for the marketing industry.

**D179 - Data-Informed Practices** - Data-Informed Practices focuses on the development of data literacy skills. This course teaches candidates about the different types of data, the benefits and limitations of those data types, and how they can use data to identify and solve problems and inform decisions. The course also teaches candidates how to locate, collect, and analyze data from relevant and credible sources, and how to draw conclusions from data in order to drive continuous improvement. There are no prerequisites for this course.

**D180 - Educational Research** - Educational Research focuses on practical problem solving. This course teaches candidates to use scholarly literature and current research to inform their own practice. It also empowers candidates to recognize opportunities for improvement and engage in action research to systematically implement and evaluate changes. This course prepares candidates to conduct research for the capstone. Data-Informed Practices is a prerequisite for this course.

**D181 - MSCIN Capstone** - The Master of Science in Curriculum and Instruction Capstone is the culminating course of the degree. It unites content area knowledge with the completion of a research project or study. This course teaches candidates, under the guidance of program faculty, to apply their data literacy and research skills to topics related to curriculum and instruction and to their career goals. Projects for this course include action research or applied research through the necessary qualitative, quantitative, or mixed research methods. Prerequisites for this course include Data-Informed Practices and Educational Research, as well as all prescribed courses in the candidates' area of study. Additionally, students wishing to add the Capstone with fewer than eight weeks remaining in the term must receive permission from the Program Chair.

**D182 - The Reflective Practitioner** - The Reflective Practitioner defines what reflective teaching is and how accomplished teachers reflect meaningfully on their pedagogical choices to improve their practice. During this course, candidates will examine their teaching to determine how they can more effectively plan, facilitate, and evaluate learning. Candidates will also develop a professional growth plan and incorporate evidence-based practices that support the achievement of their professional goals. There are no prerequisites for this course.

**D183 - Designing Curriculum and Instruction I** - Designing Curriculum and Instruction I examines the influence that specific theories, design principles, and evaluation models have on the quality and effectiveness of a curriculum. During the course, candidates will conduct a needs analysis in order to determine the content that students need. The course requires candidates to learn how to define the scope and sequence of a curriculum to ensure vertical and horizontal alignment. This course will also teach how to map curriculum to address any gaps or unnecessary duplication within and across grade levels. There are no prerequisites for this course.

**D184 - Standards-Based Assessment** - Standards-Based Assessment teaches candidates how to unpack academic standards to determine the essential learnings within the standards that should be assessed. This course teaches candidates how to determine, based on academic standards, which topics should be assessed and how to use proficiency statements to create and score standards-based assessments. This course also prepares candidates to analyze assessment data and develop a holistic assessment system for a specific subject and grade level. Differentiated Instruction is a prerequisite for this course.

**D185 - Designing Curriculum and Instruction II** - Designing Curriculum and Instruction II examines commonly used curriculum and instructional models and demonstrates how they can be used during the design process to achieve curricular and instructional goals. This course demonstrates how to design curriculum and instruction that leverages digital tools to facilitate deep, authentic learning and provides strategies for ensuring successful curriculum implementation. Designing Curriculum and Instruction I is a prerequisite for this course.

**D186 - Learning as a Science** - Learning as a Science examines how research from the field of learning sciences can be applied to improve teaching and learning. This course explains how teachers can create a sense of community by examining personal biases and establishing a culturally inclusive learning environment. The course also provides evidence-based strategies for improving motivation, increasing understanding and retention, and teaching social-emotional skills that students need to be successful socially and academically. There are no prerequisites for this course.

**D187 - Differentiated Instruction** - Differentiated Instruction examines how the classroom environment and students' readiness levels, interests, and learning profiles influence learning. K–12 educators taking this course will acquire a deep understanding of their students in order to differentiate their curriculum, instruction, and assessments in response to individual students' needs. This course will allow students to also learn how to effectively monitor and communicate students' progress toward standards and adjust their practice as needed to empower students and nurture their abilities and aptitudes. As a result of their learning in this course, K–12 teachers will be prepared to act as catalysts for differentiation within their schools and districts. There are no prerequisites for this course.

**D188 - The Collaborative Leader** - The Collaborative Leader demonstrates strategies teacher leaders can use to collaborate with other professionals, families, and communities to build strong relationships and improve school effectiveness. This course examines models of collaboration and the benefits and challenges of collaboration. It also examines the characteristics of effective professional development and explains how to collaboratively design effective professional development opportunities for educators. Finally, this course demonstrates how accomplished teachers can build relationships with families and the community to create a positive learning experience for students. There are no prerequisites for this course.

**D190 - Introduction to Healthcare IT Systems** - Introduction to Healthcare IT Systems introduces students to healthcare information technology as a discipline. Focusing on evaluating health information systems and collecting data, students will learn the various roles and functions of the health information manager in supporting the business of healthcare. This course introduces students to information technology as a discipline. This course also exposes students to the various roles and functions of the health information manager in supporting the business of healthcare. Students will learn through e-text readings, videos, case studies, several modules from LinkedIn Learning, knowledge checks, and unit quizzes. There are no prerequisites for this course.

**D191 - Advanced Data Management** - Advanced Data Management enables organizations to extract and analyze raw data. Skillful data management allows organizations to discover and explore data in ways that uncover trends, issues, and their root causes. In turn, businesses are better equipped to capitalize on opportunities and more accurately plan for the future. As organizations continue to extract larger and more detailed volumes of data, the need is rapidly growing for IT professionals possessing data management skills. These skills include performing advanced relational data modeling as well as designing data marts, lakes, and warehouses. This course will empower software developers with the skills to build business logic at the database layer to employ more stability and higher data-processing speeds. Data analysts will gain the ability to automate common tasks to summarize and integrate data as they prepare it for analysis. Data Management is a prerequisite for this course.

**D192 - Data Systems Administration** - Data System Administration provides students with foundational skills to become a Database Administrator (DBA). This course illustrates how DBA's ensure businesses are able to leverage significant data to increase profitability and support key business functions. Topics include database management tools, account administration, recovery procedures, and maintenance through upgrades and migrations.

**D193 - Data and Information Governance** - Data and Information Governance provides students with the knowledge that establishing rules of engagement, policies, procedures, and data stewardship is essential to exercising organizational control over, and extracting maximum value from, its data assets. Good data governance helps an organization lower costs, create efficiencies, and achieve its strategic goals and objectives. Data governance provides a framework for properly managing information across the entire data lifecycle and establishes strategies in support of disaster recovery and continuity of operations. This course will prepare IT professionals to assist their organization in the definition and implementation of best practices related to the planning and implementation of managed systems that meet business, technical, security, auditing, disaster recovery, and business continuity requirements.

**D194 - IT Leadership Foundations** - IT Leadership Foundations is an introductory course that provides students with an overview of organizational structures, communication, and leadership styles specific to information technology in organizations. It also introduces students to some of the power skills that help make successful IT professionals, including time management, problem solving, and emotional intelligence. Students in this course explore their own strengths and passions in relation to the field. There are no prerequisites for this course.

**D195 - Data Management/Analytics Undergraduate Capstone** - The Data Management/Analytics Undergraduate Capstone challenges students to demonstrate competencies supporting all BSDMDA program outcomes. Students will identify an organizational need, plan and develop a data analytics product to serve that need, and document the process in a project proposal and data project report.

**D196 - Principles of Financial and Managerial Accounting** - Principles of Financial and Managerial Accounting provides students with an introduction to the discipline of accounting and its context within the business environment. In this course, students will learn to differentiate between financial, cost, and managerial accounting and where these accounting types fit into the business environment. This course will help students gain a fundamental knowledge of the budgeting process, how to analyze basic financial statements, and how to use spreadsheets to analyze data. This course provides students with a business generalist overview of the field of accounting and acts as a preview course for the accounting major.

**D197 - Version Control** - Version control is critical to maintaining software and enabling scalability solutions. A best practice for any programming project that requires multiple files uses version control. Version control enables teams to have collaborative workflows and enhances the software development lifecycle. This course introduces students to the basics of publishing, retrieving, branching, and cloning. There are no prerequisites for this course.

**D198 - Global Arts and Humanities** - This is a Global Arts and Humanities course that contains three modules with corresponding lessons. This course is an invitation to see the world through the humanities, examine the humanities during the Information Age, and explore the global origins of music—essentially questioning what makes us human, and how people are connected across culture and time. Each module includes learning opportunities through readings, videos, audio, and other relevant resources. Assessment activities with feedback also provide opportunities to practice and check learning. With no prior knowledge or experience, a learner can expect to spend 30-40 hours on the course content.

**D199 - Introduction to Physical and Human Geography** - This is Introduction to Physical and Human Geography, a three-module course that addresses the question of what geography really is in today's complex world; how migration affects—and has been affected by—geography; and one of the biggest present problems related to geography: climate change. Because the course is self-paced, you may move through the material as quickly or as slowly as you need to, with the goal of demonstrating proficiency in the five competencies covered in the final assessment. If you have no prior knowledge of this material, you can expect to spend 30–40 hours on the course content.

**D202 - Human Growth and Development** - This is Human Growth and Development, a three-module course that examines the entire human lifetime, from conception to death. Presented chronologically, the course focuses on three key areas: physical, cognitive, and psychosocial growth, along with other important issues such as cultural influences, emotions, and resilience. Because the course is self-paced, you may move through the material as quickly or as slowly as you need to, with the goal of demonstrating proficiency in the four competencies covered in the final assessment. If you have no prior knowledge of this material, you can expect to spend 30-40 hours on the course content.

**D204 - The Data Analytics Journey** - The Data Analytics Journey gives an overview of the entire analytics life cycle. Learners gain fluency in data analytics terminology, tools, and techniques. The course contextualizes the data analytics journey firmly with organizational metrics and requirements to position graduates to answer key questions for businesses and other employers. This course has no prerequisites.

**D205 - Data Acquisition** - Data Acquisition builds proficiency in Structured Query Language (SQL) and the initial stages of the data analytics lifecycle. The course introduces relational databases. Students gain concrete skills in data transference and database manipulation. There are no prerequisites.

**D206 - Data Cleaning** - Data Cleaning continues building proficiency in the data analytics life cycle with data preparation skills. This course addresses exploring, transforming, and imputing data as well as handling outliers. Learners write code to manipulate, structure, and clean data as well as to reduce features in data sets. The following courses are prerequisites: The Data Analytics Journey, and Data Acquisition.

**D207 - Exploratory Data Analysis** - Exploratory Data Analysis covers statistical principles supporting the data analytics life cycle. Students in this course compute and interpret measures of central tendency, correlations, and variation. The course introduces hypothesis testing, focusing on application for parametric tests, and addresses communication skills and tools to explain an analyst's findings to others within an organization. Data Cleaning is a required prerequisite for this course.

**D208 - Predictive Modeling** - Predictive Modeling builds on initial data preparation, cleaning, and analysis, enabling students to make assertions vital to organizational needs. In this course, students conduct logistic regression and multiple regression to model the phenomena revealed by data. The course covers normality, homoscedasticity, and significance, preparing students to communicate findings and the limitations of those findings accurately to organizational leaders. Exploratory Data Analysis is a prerequisite for this course.

**D209 - Data Mining I** - Data Mining I expands predictive modeling into nonlinear dimensions, enhancing the capabilities and effectiveness of the data analytics lifecycle. In this course, learners implement supervised models—specifically classification and prediction data mining models—to unearth relationships among variables that are not apparent with more surface-level techniques. The course provides frameworks for assessing models' sensitivity and specificity. D208 Predictive Modeling is a prerequisite to this course.

**D210 - Representation and Reporting** - Representation and Reporting focuses on communicating observations and patterns to diverse stakeholders, a key aspect of the data analytics life cycle. This course helps students gain communication and storytelling skills. It also covers data visualizations, audio representations, and interactive dashboards. The prerequisite for this course is Data Mining I.

**D211 - Advanced Data Acquisition** - Advanced Data Acquisition enhances theoretical and SQL skills in furthering the data analytics life cycle. This course covers advanced SQL operations, aggregating data, and acquiring data from various sources in support of core organizational needs. The prerequisite for this course is Representation and Reporting.

**D212 - Data Mining II** - Data Mining II adds vital tools to data analytics arsenal that incorporates unsupervised models. This course explains when, how, and why to use these tools to best meet organizational needs. The prerequisite for this course is Advanced Data Acquisition.

**D213 - Advanced Data Analytics** - Advanced Data Analytics prepares students for career-long growth in steadily advancing tools and techniques and provides emerging concepts in data analysis. This course hones the mental and theoretical flexibility that will be required of analysts in the coming decades while grounding their approach firmly in ethical and organizational-need-focused practice. Topics include machine learning, neural networks, randomness, and unconventional data sources. Data Mining II is a prerequisite for this course.

**D214 - Data Analytics Graduate Capstone** - The Data Analytics Graduate Capstone allows students to apply the academic and professional abilities developed as a graduate student. This capstone challenges students to integrate skills and knowledge from several program domains into one project. Advanced Data Analytics is a prerequisite for this course.

**D215 - Auditing** - Auditing covers the entire auditing process. This course will help students gain an understanding of the different assurance services, the AICPA Code of Professional Conduct, and the conceptual framework for members in public practice. The course will teach students how to assess for audit risk, develop an audit strategy, and gain an understanding of the audit client. Audit evidence and a client's system of internal control will be discussed in depth. The course requires students to assess risk response by identifying and evaluating tests of controls and substantive procedures. In addition, the course will have students evaluate risk response using data analytics and audit sampling for substantive tests. The course concludes with the completion of the audit through subsequent events, engagement wrap-up and management representation, and reporting on the audit with an unqualified audit report or a modification of the audit report. The prerequisites to this course are Intermediate Accounting I, II, and III, Accounting Information Systems, and Business Law for Accountants.

**D216 - Business Law for Accountants** - Business Law for Accountants is designed to provide the advanced accounting student an understanding of the legal environment and issues encountered in the profession. Topics include the Uniform Commercial Code (UCC), contracts, securities regulation, Sarbanes-Oxley Act, legal entities, ethics, agency, and bankruptcy. There are no prerequisites for the course.

**D217 - Accounting Information Systems** - Accounting Information Systems (AIS for short) introduces students to AIS, with particular emphasis on the accountant's role in management and financial reporting systems. Topics include transaction cycles and related information technology (IT) controls, data management, enterprise resource planning (ERP) and e-commerce systems, systems development and acquisition, documentation, and IT auditing. D103 Intermediate Accounting I and D104 Intermediate Accounting II are the prerequisites to this course.

**D218 - Intrapersonal Leadership and Professional Growth** - Intrapersonal Leadership and Professional Growth fosters the development of professional identity. Building on the knowledge, skills, and attitudes gained through nursing practice, students in this course will explore the relationship of theories, professional competencies, standards of leadership, education, and professionalism. The course content will cover development of a nurse as a leader who is proficient in asserting control, influence, and power in professional and personal contexts.

**D219 - Scholarship in Nursing Practice** - Scholarship in Nursing Practice teaches students how to design and conduct research to answer important questions about improving nursing practice and patient care delivery outcomes. This course introduces the basics of evidence-based practice, which students are expected to implement throughout their clinical experiences. Students of this course will graduate with more competence and confidence to become leaders in the healing environment.

**D220 - Information Technology in Nursing Practice** - Information Technology in Nursing Practice provides a basic overview of information technology as it relates to the baccalaureate-prepared nurse. It is a foundational overview of nursing informatics with an emphasis on developing basic competency. This course teaches students that nursing informatics synthesizes nursing science, information science, and computer science through health applications to support decision-making in a dynamic healthcare environment. All prior courses in the sequence for this program serve as prerequisites for this course.

**D221 - Organizational Systems and Healthcare Transformation** - Course Description Organizational Systems and Healthcare Transformation covers foundational knowledge, skills, and attitudes toward organizational leadership within healthcare systems that can help students be successful. This course focuses on the concepts of patient safety, improvement science, fiscal responsiveness, quality of care, value-based care, and patient-centered care. Additional topics of quality science and innovation, systems redesign, and interprofessional roles assist the student in building necessary skills for healthcare transformation. All prior courses in the sequence for this program serve as prerequisites for this course.

**D222 - Comprehensive Health Assessment** - Comprehensive Health Assessment builds upon students' existing knowledge of nursing assessment. The course presents current and innovative assessment techniques of the physical, mental, emotional, and spiritual well-being of patients. Use of assessment data and shared decision-making are discussed throughout the course. This course also outlines the concepts of a head-to-toe assessment, providing students with an understanding of how to critically think about the different aspects of the assessment and analyze patient cues to determine the implications of findings. Students will also analyze lifestyle and cultural implications of health. All prior courses in the sequence for this program serve as prerequisites for this course.

**D223 - Healthcare Policy and Economics** - Healthcare Policy and Economics is a foundational course that introduces the concepts of value-based care and the role of the nurse. This course includes concepts related to financial responsiveness, shared decision-making, preference-sensitive care, leveraging data. In this course, students learn about cost and fee-for-service in terms of value to the client and patient rather than value to the healthcare system. All prior courses in the sequence for this program serve as prerequisites for this course.

**D224 - Global and Population Health** - Global and Population Health prepares students for the role of the nurse in preserving and promoting health among diverse populations. Additionally, basic principles of epidemiology, social determinants of health (SDOH), and resource allocation through value-based care are outlined. The course introduces planning, organization, and delivery of services for diverse populations in community settings, including illness prevention, disaster preparedness, and environmental health. All prior courses in the sequence for this program serve as prerequisites for this course.

**D225 - Emerging Professional Practice** - Emerging Professional Practice presents a variety of professional nursing specialty areas. Students explore various practice specialties, including palliative care, genetics and genomics, and others. The course provides pathways to specialized nursing practice. All prior courses in the sequence for this program serve as prerequisites for this course.

**D226 - BSNU Capstone** - The BSNU capstone is a synthesis of previously acquired knowledge, skills, and attitudes and requires students to demonstrate competency in the program outcomes. Emphasis is placed on change facilitation in a healthcare setting, based in evidence and incorporating value-based care. This course provides students with an opportunity to engage in a project that is actionable, relevant, highly collaborative, and based on innovative thinking.

**D228 - Special Education Practices: Professional, Ethical and Legal Guidelines** - Special Education Practices: Professional, Ethical and Legal Guidelines prepares candidates to apply practice within ethical and legal guidelines in day-to-day teaching, stakeholder interactions, and other complex situations. This course provides an overview of the professional ethics and standards from the Council for Exceptional Children (CEC), which guide candidates to act in a professionally conscientious manner. This course also explores the transition planning requirements in IDEA, which include development of an individualized transition plan and ensures that planning is initiated in elementary (such as from K to elementary), middle school and continued through high school and post-secondary education. Candidates will explore the legal foundations and case laws related to special education to gain understanding of how legislation influences teaching and learning. Candidates will advocate for improved outcomes for students with exceptionalities and their families while addressing the unique needs of those with diverse social, cultural, and linguistic backgrounds. Candidates will engage in three hours of preclinical experiences, which include an interview with a special educator to gain insight on how these topics affect and inform teaching practice. This course is designed to be taken after successful completion of Essential Practices for Supporting Diverse Learners.



**D229 - Management Strategies for Academic and Social Behavior** - Management Strategies for Academic and Social Behavior prepares candidates to work effectively with students exhibiting behavior in the classroom that is below age and cultural norms. This course provides an overview of behavior disorders and their causes, and appropriate research-based intervention strategies, including positive behavior intervention and supports, multitiered systems of support (MTSS), applied behavior analysis, replacement behavior and reward strategies, culturally responsive practices, and data collection and assessment methods. Candidates emerge prepared to strategize and recommend adjustments to the learning environment that support positive behavior and student success in the classroom and beyond. This course also examines behavioral assessment and analysis, including the creation of a functional behavior assessment (FBA) and the creation and monitoring of behavioral improvement plans (BIPs) in an authentic learning environment. The candidates will determine effective strategies to promote active student engagement, increase student motivation and opportunities to respond, and enhance self-regulation of student learning. This course is designed to be taken after successful completion of Creating and Managing Engaging Learning Environments.

**D230 - Assessment and Evaluation Procedures in Special Education** - Assessment and Evaluation Procedures in Special Education prepares candidates to use multiple methods of assessment and data sources in making educational decisions about the student and the learning environment. This course is designed to help provide an understanding of how assessment data is used during screening in multitiered systems of support (MTSS), the eligibility process, the evaluation process, progress monitoring, and data-based instructional decision making. Candidates analyze informal assessments to determine how students access and demonstrate knowledge in the core curriculum. This course is designed to be taken by candidates after they have completed Special Education Practices: Professional, Ethical, and Legal Guidelines.

**D231 - Collaborative Techniques with Partners for Effective IEPs** - Collaborative Techniques with Partners for Effective IEPs prepares candidates to apply team processes and communication strategies to collaborate in a culturally responsive manner with families, paraeducators, and other professionals (within the school, other educational settings, and the community) to plan programs and access services for students with exceptionalities and their families. The course introduces ways to enhance parental involvement and family engagement while teaching families and students advocacy throughout the Individualized Education Program (IEP) and transition planning processes. Candidates will develop plans for transition services that focus on a coordinated set of student-centered activities designed to facilitate the student's movement from school to post-school activities, including post-secondary education. This course also focuses on the components of the IEP and how the practice of effective communication and collaboration skills is key to the program's development and implementation. The candidates will actively seek information from and about families and take primary responsibility for maintaining respectful, ongoing, open communication to jointly identify and meet learning goals that are informed by assessment data. Candidates will engage in three hours of preclinical experiences that includes a simulated collaborative experience in which skills learned can be applied. This course is designed to be taken after successful completion of Special Education Practices: Professional, Ethical and Legal Guidelines.

**D232 - Special Education Methods of Instruction and Intervention** - Special Education Methods of Instruction and Intervention introduces candidates to a repertoire of evidence-based instructional strategies to advance the learning of students with exceptionalities. The course focuses specifically on strategies for intensifying and individualizing instructional interventions; making instructional decisions based on progress-monitoring data; collaborating with general education teachers and paraeducators; teaching to mastery; promoting generalization of learning; and teaching students with exceptionalities how to use self-assessment, problem solving, and other cognitive strategies to organize critical content and meet their needs. This course will also focus on the interrelationship between curriculum, instruction, and assessment, with emphasis on the role of assessment and student data in planning, designing, delivering, and modifying instruction in accordance with diverse learner needs. Candidates will know and understand how learning occurs, how students construct knowledge, acquire skills, and develop disciplined thinking processes. This course is designed to be taken after successful completion of Curriculum, Instruction, and Assessment, Mathematics Methods and Instruction for Students with Mild/Moderate Disabilities, and Language Arts Instruction and Interventions.

**D233 - Designing Instruction for Elementary Learners with Mild to Moderate Exceptionalities** - Designing Instruction for Elementary Learners with Mild to Moderate Exceptionalities prepares candidates to use evidence-based instructional practices appropriate for elementary students receiving special education services. The course includes cognitive and metacognitive strategies that elementary students can use to acquire new content knowledge and generalize skills across learning environments. It also provides opportunities for candidates to incorporate intensive instructional strategies and practice making accommodations to elementary math, reading, and language arts lesson plans based on learner characteristics, performance data, and individualized education program (IEP) goals. In addition to discussing how to make appropriate accommodations, the course teaches candidates how to assess student learning through progress monitoring and apply intensive interventions when warranted. Candidates apply their understanding of academic subject content specifically focusing on reading, writing, and math curricula of the general curriculum to inform instructional decisions for individual with exceptionalities. Candidates design appropriate learning and performance accommodations and modifications for individuals with exceptional learning needs in academic subject matter content of the general curriculum curricula. This course is designed to be taken after successful completion of Special Education Methods of Instruction and Intervention.

**D234 - Designing Instruction for Secondary Learners with Mild to Moderate Exceptionalities** - Designing Instruction for Secondary Learners with Mild to Moderate Exceptionalities prepares candidates to use evidence-based instructional practices appropriate for use with secondary students receiving special education services. Strategies taught in this course focus on intensive instruction and making accommodations to secondary lesson plans in order to develop critical thinking and problem-solving skills to enhance acquisition of age-appropriate secondary content across academic disciplines in math, reading and English/language arts. This course also promotes the achievement of Individualized Education Program (IEP) and transition goals for independent living, post-secondary education and career preparation through demonstration of strategies that increase students' self-awareness, self-regulation, self-management, self-control, and self-esteem. Because of the significant role that content specific subject matter knowledge plays at the secondary level, candidates will demonstrate a solid understanding of the subject matter content specifically focusing on math, reading, English/language arts to sufficiently assure that students with exceptionalities can meet state curriculum standards. Candidates design appropriate learning and performance accommodations and modifications for individuals with exceptional learning needs in academic subject matter content of the general curriculum. This course is designed to be taken after successful completion of Curriculum, Instruction, and Assessment.

**D235 - Interprofessional Communication and Leadership in Healthcare** - Interprofessional Communication and Leadership in Healthcare is designed to help students prepare for success in the online environment at Western Governors University and beyond. Student success starts with the social support and self-reflective awareness that will prepare them to handle the challenges of all academic programs. In this course, students will participate in group activities and complete several individual assignments. The group activities are aimed at finding support and gaining insight from other students. The assignments are intended to give the student an opportunity to reflect on where they are and where they would like to be. The activities in each group meeting are designed to give students several tools they can use to achieve success. This course is designed as a four-part intensive learning experience. Students will attend six group meetings during the term. At each meeting, students will engage in activities that will help them understand their own educational journey and find support and inspiration in the journey of others. There are no prerequisites for this course.

**D236 - Pathophysiology** - Pathophysiology is an overview of the pathology and treatment of diseases in the human body, tissues, glands and membranes, the integumentary system, the sensory system, skeletal and muscular systems, the digestive system, blood, vessels and circulation, lymphatic system, immunity and disease, heart and respiratory system, nervous, urinary and endocrine systems, and male and female reproductive systems. Prerequisites include all prior courses in this programmatic sequence.

**D237 - Mathematics Methods and Instruction for Students with Mild/Moderate Exceptionalities** - Mathematics Methods and Instruction for Students with Mild/Moderate Exceptionalities helps candidates learn how to implement effective math instruction in today's diverse classrooms in both the elementary and secondary settings. Topics include differentiated math instruction, mathematical communication, mathematical tools for instruction, assessing math understanding, integrating math across the curriculum, critical thinking development, standards-based mathematics instruction, and mathematical models and representation for students with mild to moderate exceptionalities.

**D238 - Preclinical Experiences in Special Education** - Pre-Clinical Experiences in Special Education provides candidates the opportunity to observe and participate in a wide range of in-classroom teaching experiences in order to develop the skills and confidence necessary to be an effective teacher. Candidates will reflect on and document the 75 hours of in-classroom observation and experience in their performance assessments. Prior to entering the classroom for the observations, candidates will be required to include a cleared background check, passing scores on the state or WGU required basic skills exam and a completed resume.

**D239 - Supervised Demonstration Teaching in Special Education, Obs 1 and 2** - Supervised Demonstration Teaching in Special Education, Obs 1 and 2 involves a series of classroom performance observations by the host teacher and clinical supervisor that develop comprehensive performance data about the teacher candidate's skills.

**D240 - Supervised Demonstration Teaching in Special Education, Obs 3 and Midterm** - Supervised Demonstration Teaching in Special Education, Obs 3 and Midterm involves a series of classroom performance observations by the host teacher and clinical supervisor that develop comprehensive performance data about the teacher candidate's skills.

**D241 - Supervised Demonstration Teaching in Special Education, Obs 4 and 5** - Supervised Demonstration Teaching in Special Education, Obs 4 and 5 involves a series of classroom performance observations by the host teacher and clinical supervisor that develop comprehensive performance data about the teacher candidate's skills.

**D242 - Supervised Demonstration Teaching in Special Education, Obs 6 and Final** - Supervised Demonstration Teaching in Special Education, Obs 6 and Final involves a series of classroom performance observations by the host teacher and clinical supervisor that develop comprehensive performance data about the teacher candidate's skills.

**D243 - Teacher Performance Assessment in Special Education** - Teacher Performance Assessment in Special Education course is a culmination of the wide variety of skills learned during your time in the Teachers College at WGU. In order to be a competent and independent classroom teacher, you will showcase a collection of your content, planning, instructional, and reflective skills.

**D244 - Disciplinary Literacy** - Disciplinary Literacy examines teaching strategies designed to help candidates to develop the literacy skills necessary to read, write, and think critically while engaging content in different academic disciplines. Course content highlights strategies to help candidates distinguish between the unique characteristics of informational texts while improving comprehension and writing proficiency across the curriculum. Strategies to encourage inquiry and cultivate skills in critical thinking, collaboration, and creativity also are addressed. This course is designed to be taken after successful completion of the Introduction to Curriculum, Instruction, and Assessment course OR Introduction to Instructional Planning and Presentation AND Instructional Planning and Presentation in Special Education.

**D245 - Cohort Seminar in Special Education** - Cohort Seminar in Special Education provides mentoring and supports teacher candidates during their demonstration teaching period by providing weekly collaboration and instruction related to the demonstration teaching experience. It facilitates their demonstration of competence in becoming reflective practitioners, adhering to ethical standards, practicing inclusion in a diverse classroom, exploring community resources, building collegial and collaborative relationships with teachers, and considering leadership and supervisory skills.

**D250 - Governmental and Nonprofit Accounting** - Governmental and Nonprofit Accounting provides learners with the skills and knowledge required to practice accounting for governmental and nonprofit entities: analyzing and recording transactions, financial statement preparation in accordance with Governmental Accounting Standards Board (GASB) standards, and communication.

**D251 - Advanced Auditing** - Advanced Auditing reviews basic auditing concepts, including (1) planning the audit: identifying, assessing, and responding to the risk of material misstatement; (2) specialized audit tools: attributes sampling, monetary unit sampling, and data analytic tools; (3) completing a quality audit; and (4) reporting on financial statement audits. The second part of the course dives into an application of auditing through (1) understanding how to audit an acquisition and payment cycle and (2) applying the knowledge learned through the acquisition and payment cycle to the revenue cycle in a performance assessment.

**D252 - Accounting Research and Critical Thinking** - Accounting Research and Critical Thinking provides learners the skills and knowledge to research and add validity to accounting reports, resolution of issues, and procedural arguments: critical thinking, communication, research strategies, and database resources.

**D253 - Values-Based Leadership** - Values-Based Leadership guides students to learn by reflection, design, and scenario planning. Through a combination of theory, reflection, value alignment, and practice, the course helps students examine and understand values-based leadership and explore foundations in creating a culture of care. In this course, students are given the opportunity to identify and define their personal values through an assessment and reflection process. Students then evaluate business cases to practice mapping the influence of values on their own leadership. In this course, students also participate in scenario planning, where they can practice implementing their values in their daily routine (i.e., behaviors) and then in a leadership setting. The course illustrates how values-driven leadership is used in goal setting as well as problem-solving at an organizational level. There are no prerequisites for this course.

**D254 - Introduction to Medical Coding** - Introduction to Medical Coding provides students with the foundation for translating medical terminology into correct diagnosis and procedure codes. The course focuses on how diagnosis and procedure codes are used to accurately document medical records and inform accurate medical billing. This course introduces the Current Procedural Terminology (CPT), International Classification of Diseases (ICD-10-CM), ICD-10-PCS, and Healthcare Common Procedure Coding System (HCPCS) code sets as well as ethical considerations throughout processes in medical coding. There are no prerequisites for this course.

**D255 - Professional Practice Experience I: Technical** - The PPE I: Technical course allows you to use EHRGo, an electronic health record (EHR), to complete 42 structured activities to experience how an HIM professional uses an EHR. The selected activities meet AHIMA's Baccalaureate level competencies and by completing them you will earn 40 PPE hours.

**D256 - Principles of Management in Health Information Management** - Principles of Management in HIM provides an introductory look at the discipline of management and its context within the health information management environment. This course provides an overview of management and leadership, management functions, human resource management, and communication strategies. The course gives students an opportunity to analyze how leadership and management principles are used to achieve department goals. This course has no prerequisites.

**D257 - Healthcare Project Management** - Healthcare Project Management provides students with a comprehensive foundation for project management. The course focuses on project management methodologies, process improvement analysis, business case proposals, and creating project planning documents for health information management (HIM) projects. This course will prepare students to determine project scope and timelines, complete interdepartmental stakeholder analysis, identify project resources, examine constraints and risks, and contribute to positive project communication.

**D258 - Organizational Leadership in Healthcare** - Organizational Leadership in Healthcare provides students with an overview of the principles and practices leaders need in healthcare environments. The course focuses on organizational leadership theory, behaviors, culture, and teamwork. This course prepares students to apply leadership theories, principles of organizational culture development, techniques for building and leading teams, and conflict resolution strategies to support organizational goals. This course has no prerequisites.

**D259 - Professional Practice Experience II: Management** - The PPE II: Management course allows you to experience your future profession at the supervisory level. Any site where health information is used and you can be mentored by a department or facility manager is appropriate for PPE II.

**D260 - Health Information Management Capstone** - The Health Information Management Capstone is the culmination of the student's degree program. The course is an opportunity for students to do an environmental scan focusing specifically on emerging issues and trends in the field of health information management (HIM) and to apply knowledge learned throughout the program to the problems and issues facing HIM professionals. The student will also develop a professional and educational development plan. At the end of the course, the student will complete an RHIA practice exam.

**D265 - Critical Thinking: Reason and Evidence** - In this course you will learn key critical thinking concepts and how to apply them in the analysis and evaluation of reasons and evidence. The course examines the basic components of an argument, the credibility of evidence sources, the impact of bias, and how to construct an argument that provides good support for a claim. The course consists of an introduction and four major sections. Each section includes learning opportunities through readings, videos, audio, and other relevant resources. Assessment activities with feedback also provide opportunities to check your learning, practice, and show how well you understand course content. Because the course is self-paced, you may move through the material as quickly or as slowly as you need to gain proficiency in the four competencies that will be covered in the final assessment. If you have no prior knowledge or experience, you can expect to spend 30-40 hours on the course content.

**D266 - World History: Diverse Cultures and Global Connections** - This is World History: Diverse Cultures and Global Connections. In this course, you will focus on three main topics—cultural and religious diversity; pandemics; and the relationship of empires and nation states—as well as the skills of identifying root causes, explaining causes and effects, and analyzing complex systems. This course consists of an introduction and four major sections. Each section includes learning opportunities through reading, images, videos, and other relevant resources. Assessment activities with feedback also provide opportunities to practice and check how well you understand the content. Because the course is self-paced, you may move through the material as quickly or as slowly as you need to, with the goal of demonstrating proficiency in the four competencies covered in the final assessment. If you have no prior knowledge of this material, you can expect to spend 30-40 hours on the course content.

**D268 - Introduction to Communication: Connecting with Others** - Welcome to Introduction to Communication: Connecting with Others! It may seem like common knowledge that communication skills are important, and that communicating with others is inescapable in our everyday lives. While this may appear simplistic, the study of communication is actually complex, dynamic, and multifaceted. Strong communication skills are invaluable to strengthening a multitude of aspects of life. Specifically, this course will focus on communication in the professional setting, and present material from multiple vantage points, including communicating with others in a variety of contexts, across situations, and with diverse populations. Upon completion, you will have a deeper understanding of both your own and others' communication behaviors, and a toolbox of effective behaviors to enhance your experience in the workplace.

**D269 - Composition: Writing with a Strategy** - Welcome to Composition I: Writing with a Strategy! In this course, you will focus on three main topics: writing strategies, writing style, format and grammar, and editing and revising text. This course consists of an introduction and five sections aligned to the three main topics. The sections address understanding purpose and audience, writing strategies and techniques, format, style, structure, and grammar, editing and revision strategies, and constructive feedback. Each section includes learning opportunities through readings, videos, audio, and other relevant resources. Assessment activities with feedback also provide opportunities to check your learning, practice, and show how well you understand course content. Because the course is self-paced, you may move through the material as quickly or as slowly as you need to gain proficiency in the five competencies that will be covered in the final assessment. If you have no prior knowledge or experience, you can expect to spend 30-40 hours on the course content.

**D270 - Composition: Successful Self-Expression** - Welcome to Composition: Successful Self-Expression! In this course, you will focus on three main topics: writing in the workplace, support with resources, and writing an appropriate message. This course consists of an introduction and seven sections aligned to the three main topics. The sections address cross-cultural communication, professional writing, valid and reliable sources, references, supporting a position, communication approaches, and self-expression. Each section includes learning opportunities through readings, videos, audio, and other relevant resources. Assessment activities with feedback also provide opportunities to check your learning, practice, and show how well you understand course content. Because the course is self-paced, you may move through the material as quickly or as slowly as you need to gain proficiency in the seven competencies that will be covered in the final assessment. If you have no prior knowledge or experience, you can expect to spend 30-40 hours on the course content.

**D276 - Web Development Foundations** - Web Development Foundations introduces students to web design and development using HTML, XML, and Cascading Style Sheets (CSS), the foundational languages of the web. This course also covers how to troubleshoot problems using developer tools and integrated development environments commonly employed in web development. There are no prerequisites for this course.

**D278 - Scripting and Programming - Foundations** - Scripting and Programming - Foundations introduces programming basics such as variables, data types, flow control, and design concepts. The course is language-agnostic in nature, ending in a survey of languages, and introduces the distinction between interpreted and compiled languages. Learners will gain skills in identifying scripts for computer program requirements and in using fundamental programming elements as part of common computer programming tasks. Learners will also gain an understanding of the logic and outcome of simple algorithms.

**D281 - Linux Foundations** - Linux Foundations prepares learners for the LPI Linux Essentials certification, and is an introduction to Linux as an operating system as well as an introduction to open-source concepts and the basics of the Linux command line. Learners will gain skills in identifying the fundamentals of open-source software and to develop resources for data access and security.

**D282 - Cloud Foundations** - Cloud Foundations introduces learners to real-world issues and practical solutions to cloud computing. This course covers the business value of cloud computing, examining cloud types, the steps to successful cloud adoption, and the effect cloud adoption has on IT service management, as well as the risks and consequences of implementing cloud solutions. This course prepares learners for the AWS Certified Practitioner certification exam. There are no prerequisites for this course.

**D291 - Learning Experience Design Foundations I** - Learning Experience Design Foundations I provides an introduction to the field of learning experience design (LxD) and the role of the learning experience designer, which combines best practices from the fields of instructional design and user experience design, with the goal of creating human centered, goal-oriented learning experiences. This first of two foundational courses introduces Design Thinking and instructional design models, processes, and approaches. This course demonstrates how learning theories and instructional frameworks can be applied to facilitate deep learning, motivation, and engagement. This course also teaches the process for analyzing learners and their needs, as well as defining the instructional problem and goals. There are no prerequisites for this learning experience design course.

**D292 - Learning Experience Design Foundations II** - Learning Experience Design Foundations II is the second of two foundational courses that provide the foundational knowledge and skills learning experience designers need to create human-centered, goal-oriented learning experiences. Continuing to the third, fourth, and final phases of the Design Thinking Process, this course teaches the process and importance of ideation as well as rapid prototyping. It includes techniques for creating e-learning storyboards, which communicate content plans and instructional design strategies and "look and feel" mockups, which incorporate visual design principles and usability best practices. Finally, this course introduces usability testing methods and provides guidelines for planning usability tests for e-learning solutions. Learning Experience Design Foundations I is a prerequisite for this course.

**D293 - Assessment and Learning Analytics** - Assessment and Learning Analytics focuses specifically on applying assessment and learning analytics practices to gauge learner progress through e-learning products. This course is an introduction to assessment models, including competency and skills-based methods, as well as culturally responsive and Universal Design for Learning (UDL) approaches in assessment, rubric, and feedback design. Finally, this course introduces learning analytics, specifically how they can add an additional layer of validation and visibility on learner progress. Learning Experience Design Foundations II is a prerequisite for this course.

**D294 - Learning Technology** - Learning Technology provides opportunities for learners to research emerging learning technologies and see how they are changing current teaching and learning practices. This course also teaches strategies for evaluating learning technologies and their ability to facilitate deep learning and help learners achieve their learning goals, as well as their ability to accommodate learner differences and ensure access for all learners. This course covers techniques that learning experience designers can use to implement technology safely, legally, and ethically in a variety of environments. Additionally, this course explores the types of learning analytics that various technologies generate and the ways in which they can be used to better understand learner progress and optimize the learning experience. Assessment and Learning Analytics is a prerequisite for this course.

**D295 - Designing and Facilitating E-Learning Experiences for K–12 Students** - Designing and Facilitating E-Learning Experiences for K–12 Students is the first of two courses in the K-12 Learning Designer pathway. This course teaches skills needed to plan units of study that leverage virtual settings and achieve academic standards while promoting digital citizenship. This course provides strategies for explaining essential concepts and demonstrating examples for students in K–12 virtual settings. It also provides strategies for using technology to facilitate meaningful collaboration among K–12 students. Finally, this course explains how to design effective practice and assessment opportunities for K–12 students in virtual settings and provides strategies for ensuring students get the feedback they need to improve learning. Learning Technology is a prerequisite for this course.

**D296 - Quality and Impact of K–12 E-Learning Solutions** - Quality and Impact of K–12 E-Learning Solutions is the second of two courses in the K–12 Learning Designer pathway. This course provides an introduction to the challenges K–12 students face in e-learning environments. It also directs learners to professional and academic resources where they can find current research related to issues and innovations learning experience designers implement to solve challenges to K–12 students in e-learning environments. This course also outlines a quality framework for evaluating e-learning solutions for K–12 students and provides opportunities for learners to apply that framework. Lastly, this course provides examples of how learning analytics can be used to determine the impact of e-learning for K–12 students. Through this course, learners will analyze data about K–12 learners to determine the impact an e-learning solution has had on engagement, effort, and learning. This course teaches learners how insights gained from data about K–12 learners can be used to optimize e-learning. Designing E-Learning Experiences for K–12 students is a prerequisite for this course.

**D297 - Designing E-Learning Experiences for Adults** - Designing E-Learning Experiences for Adults is the first of two courses in the adult learning designer pathway. This course teaches best practices for supporting adult learners as they acquire knowledge and learn new skills and dispositions. This course explains effective approaches to designing learning experiences for adult learners that are collaborative, experiential, and transformative in nature. This course also explores problem-based and competency-based approaches to designing learning experiences for adults. Each evidence-based approach is defined and supported by theory and research. The course also includes best practices for designing each type of learning experience and provides real examples of each approach. Learning Technology is a prerequisite for this course.

**D298 - Quality and Impact of Adult E-Learning Solutions** - Quality and Impact of Adult E-Learning Solutions is the second of two courses in the Adult Learning Designer pathway. This course introduces the issues learning experience designers often encounter when designing e-learning experiences for adults. It also directs learners to resources about current research related to issues and innovations in designing online learning experiences for adults. This course also outlines a quality framework for evaluating e-learning solutions for adults and provides opportunities for learners to apply that framework. Lastly, this course provides examples of how learning analytics can be used to determine the impact of e-learning solutions for adults. Learners will analyze dashboard data and determine the impact an e-learning solution has had on learner engagement, effort, and learning and how insights gained from data about learners and the learning experience can be used to optimize learning and the environments in which it occurs. Designing E-Learning Experiences for Adults is a prerequisite for this course.

**D299 - Learning Experience Design Lab** - Learning Experience Design Lab requires learners to apply foundational learning experience design strategies to create an instructional solution in the form of an e-learning module. In the course, learners will identify an instructional problem and then design and develop a functional prototype of an e-learning solution. Learning Experience Design Lab provides an environment for learners to apply foundational knowledge and skills, experiment with various e-learning design tools and techniques, provide helpful quality feedback to peers, and receive quality feedback from peers about their own e-learning module. Finally, Learning Experience Design Lab teaches the importance of obtaining user feedback and incorporating that feedback to continuously improve the learning experience. Degree-seeking learners must complete the Learning Experience Design Foundations series and two pathway courses prior to completing this course.

**D300 - Identifying Learner Needs and a Research Problem** - Identifying Learner Needs and a Research Problem is the first of three capstone courses in the MSLxDET program. This course provides an introduction to design-based research and focuses specifically on the first two phases of the design-based research process: identifying and analyzing the learning problem and reviewing the literature. This course also requires that learners continue applying Design Thinking as they empathize with learners and define the instructional problem that their research will help them understand and address. Finally, this course teaches learners how to conduct a literature review to determine what research has already been done and what is unknown about their research topic. Learning Experience Design Lab is a prerequisite for this course.

**D301 - Developing an E-Learning Solution and Research Methodology** - Developing an E-Learning Solution and Research Methodology is the second of three capstone courses in the MSLxDET program. This course focuses on the next two phases of the design-based research process: designing and developing an e-learning solution and designing a research methodology to test how well the solution addressed the instructional problem. This course also requires that learners continue applying Design Thinking as they ideate potential solutions to the instructional problem and begin prototyping a module of instruction. Finally, this course teaches learners how to design research studies that ensure the safety of human subjects and the ethical collection, storage, and reporting of data. The course Identifying Learner Needs and a Research Problem is a prerequisite for this course.

**D302 - Implementing and Evaluating E-Learning Solutions** - Implementing and Evaluating E-Learning Solutions is the third of three capstone courses in the MSLxDET program. This course focuses on the final steps of the Design-Based Research process: implement, test, refine, reflect, and report. This course also requires that learners continue applying Design Thinking as they test and refine the solution identified during the prototyping phase. The course requires learners to test and refine their implementation strategies, use data to evaluate the effectiveness of their e-learning solution, redesign or enhance their e-learning design based on their interpretation of the data, and summarize their design-based action research study. Developing an E-Learning Solution and Research Methodology is a prerequisite for this course.

**D303 - Azure Fundamentals** - Azure Fundamentals provides the learner with skills needed to describe the following concepts: cloud concepts; core Azure services; core solutions and management tools on Azure; general security and network security features; identity, governance, privacy, and compliance features; and Azure cost management and Service Level Agreements. Learners will gain foundational knowledge of cloud services and how those services are provided with Microsoft Azure. This course is intended for students who are just beginning to work with cloud-based solutions and services or are new to Azure. Competency in this course is demonstrated by successfully completing the Microsoft Azure Fundamentals certification exam (AZ-900). There are no prerequisites to this course.

**D304 - Azure DevOps Solutions** - Azure DevOps Solutions provides the learner with skills to accomplish the following technical tasks: Designing and implementing strategies for collaboration, code, infrastructure, source control, security, compliance, continuous integration, testing, delivery, monitoring, and feedback. This course expects candidates to have intermediate-level skills for administering Azure and understand Azure development and DevOps processes. The following courses are prerequisites: Networks and Security—Foundations; Networks and Security—Applications; Cloud Foundations; Cloud Platform Solutions; Azure Fundamentals; and Azure Developer Associate

**D305 - Azure Data Engineer** - Azure Data Engineer prepares the learner for integrating, transforming, and consolidating data from various structured and unstructured data systems into structures that are suitable for building analytics solutions. Learners will be provided with skills to accomplish the following technical tasks: design and implement data storage, design and develop data processing, design and implement data security, and monitor and optimize data storage and data processing. Candidates must have solid knowledge of data processing languages, such as SQL, Python, or Scala, and they need to understand parallel processing and data architecture patterns. The following courses are prerequisites: Introduction to Programming in Python, Azure Fundamentals, and Azure Developer Associate.

**D306 - Azure Developer Associate** - Azure Developer Associate provides the learner with subject matter knowledge in designing, building, testing, and maintaining cloud applications and services on Microsoft Azure. Learners will be provided with the ability to program in a language supported by Azure and proficiency in Azure SDKs, Azure PowerShell, Azure CLI, data storage options, data connections, APIs, app authentication and authorization, compute and container deployment, debugging, performance tuning, and monitoring. The following course is a prerequisite: Azure Fundamentals.

**D307 - Educational Psychology and Human Development of Children and Adolescents** - Educational Psychology and Human Development of Children and Adolescents is a key component of WGU's Professional Core and is a required course for all Master of Arts in Teaching candidates. This course introduces candidates to research-validated theories of human development and psychology, spanning from early childhood through adolescence, and their applications in teaching practice. Candidates will explore how linguistic, physical, cognitive, and social development influence the learning process and inform educational approaches. This course will also cover appropriate instructional and assessment strategies that can be used to support learning for developmentally diverse student populations. The course will culminate in analysis of learning theories related to educational psychology in order to develop a personal educational philosophy. Candidates will engage in four hours of preclinical experiences, which include virtual classroom observations from the perspective of educational psychology and learner development. Cross-cutting themes of technology and diversity are interwoven for further development.

**D309 - Data Wrangling** - This course elaborates on concepts covered in Introduction to Data Science, helping to develop skills crucial to the field of data science and analysis. It explores how to wrangle data from diverse sources and shape it to enable data-driven applications—a common activity in many data scientists' routine. Topics covered include gathering and extracting data from widely-used data formats, assessing the quality of data, and exploring best practices for data cleaning.

**D311 - Microbiology with Lab: A Fundamental Approach** - Microbiology with Lab: A Fundamental Approach explores the science that microorganisms are everywhere, and they have positive and negative effects on the community. The course examines the structure and function of microorganisms, disease transmission and progression, and immune responses and other interventions, and it identifies key global diseases. The course consists of an introduction and four major sections. Each section includes learning opportunities through readings, videos, and other relevant resources. Assessment activities with feedback also provide opportunities for students to check their learning, practice, and show how well they understand course content. To assist students in developing an applied, evidence-based understanding of microbiology, this course integrates several lab experiments to help determine the specific characteristic of an unknown microbial sample and a treatment plan. Because the course is self-paced, students may move through the material as quickly or as slowly as needed to gain proficiency in the four competencies that will be covered in the final assessment. Students who have no prior knowledge of or experience with this topic can expect to spend 48–60 hours on the course content. There are no prerequisites for this course.

**D312 - Anatomy and Physiology I with Lab** - This is Anatomy and Physiology I, a six-section, 4 CU course that enables students to develop an understanding of the relationships between the structures and function of the integumentary, skeletal, muscular, nervous and endocrine systems in the human body. This course will involve laboratory activities, simulated dissections, textbook material, models, and diagrams.

Because the course is self-paced, you may move through the material as quickly or as slowly as you need to, with the goal of demonstrating proficiency in the four competencies covered in the final assessment. If you have no prior knowledge of this material, you can expect to spend 40–60 hours on the course content.

**D313 - Anatomy and Physiology II with Lab** - This is Anatomy and Physiology II, a six section, four CEU course that enables students to develop an understanding of the relationships between the structures and functions of the cardiovascular, respiratory, digestive, urinary, reproductive, and lymphatic systems in the human body. This course will involve laboratory activities, simulated dissections, textbook material, models, and diagrams.

Because the course is self-paced, you may move through the material as quickly or as slowly as you need to, with the goal of demonstrating proficiency in the four competencies covered in the final assessment. If you have no prior knowledge of this material, you can expect to spend 40–60 hours on the course content.

**D314 - Essentials of Academic Writing** - The learner will explore professional communication by applying the principles of academic writing to their discipline. Learners will incorporate these skills into the development of an evidence-based scholarly paper in their specialty area. As learners develop a scholarly paper, they will acquire a deeper understanding of the research topic selected and analyze whether initiatives and interventions have been effective or ineffective.

**D315 - Network and Security - Foundations** - Network and Security - Foundations introduces learners to the basic network systems and concepts related to networking technologies. Learners will gain skills in applying network security concepts for business continuity, data access, and confidentiality, and in identifying solutions for compliance with security guidance.

**D316 - IT Foundations** - IT Foundations provides learners with an understanding of personal computer components and their functions in a desktop system; a knowledge of computer data storage and retrieval; and skills in classifying, installing, configuring, optimizing, upgrading, and troubleshooting printers, laptops, portable devices, operating systems, networks, and system security. This course also gives learners the ability to recommend appropriate tools, diagnostic procedures, preventative maintenance, and troubleshooting techniques for personal computer components in a desktop system; strategies for identifying, preventing, and reporting safety hazards and environmental or human accidents in technological environments; and effective communication skills for interacting with colleagues and clients, including job-related professional behavior. The course prepares learners for the CompTIA A+ Core 1 certification exam.

**D317 - IT Applications** - IT Applications introduces skills in identifying operating systems and their configurations and in implementing security principles across devices and networks. Learners will also gain skills in troubleshooting software, security, and malware issues, and in implementing basic operational procedures in documentation, change management, compliance, and communication. The course will introduce basic disaster recovery and business continuity procedures, scripting basics, and remote access technology solutions. The course prepares learners for the CompTIA A+ Core 2 certification exam.

**D318 - Cloud Applications** - Cloud Applications prepares learners for the CompTIA Cloud+ certification exam. Learners will gain skills in designing cloud infrastructure and services and in recommending cloud security solutions, policies, and procedures. The course will also introduce skills in deploying cloud solutions for storage, networking, and security, and in managing cloud operations with processes, procedures, and improvements. Learners will also gain skills in troubleshooting cloud services issues in networking, security, and performance.

**D319 - AWS Cloud Architecture** - AWS Cloud Architecture examines the skills and knowledge needed to effectively design structured cloud environments. Through practical application, students will gain experience in designing control measures for resilient architectures with cloud solutions and concepts, and to design high-performing and scalable architectures for software performance workloads. Students will also learn skills in designing security policies and access for cloud applications and architectures, and designing cost optimized storage, database and network architectures based on situational feedback.

**D320 - Managing Cloud Security** - Managing Cloud Security prepares learners to safeguard cloud data with identity and access management and to implement secure solutions in cloud service models. Learners will be introduced to skills in identifying security policies and procedures for cloud applications and in implementing operational capabilities, procedures, and training in relation to organizational needs. Learners will also gain skills in conducting risk analysis and risk management in alignment with disaster recovery and business continuity plans and in identifying legal, compliance, and ethical concerns.

**D321 - AWS Developer** - AWS Developer examines the skills and knowledge needed to effectively implement automated and continuous testing processes for software deployments with cloud solutions. Students will learn to design software with Amazon Web Services (AWS), software development kits (SDKs), and command line interface (CLI), and to implement authentication, encryption, and authorization within an AWS environment. Students will also learn to design cloud service deployments with AWS infrastructure services, platform services, and features. Students will learn skills to monitor automated testing for quality control and to perform root cause analysis on testing or production failures.

**D322 - Introduction to IT** - Introduction to IT examines information technology as a discipline and the various roles and functions of the IT department as business support. Students are presented with various IT disciplines including systems and services, network and security, scripting and programming, data management, and business of IT, with a survey of technologies in every area and how they relate to each other and to the business.

**D324 - Business of IT - Project Management** - In this course, students will build on industry standard concepts, techniques, and processes to develop a comprehensive foundation for project management activities. During a project's life cycle, students will develop the critical skills necessary to initiate, plan, execute, monitor, control, and close a project. Students will apply best practices in areas such as scope management, resource allocation, project planning, project scheduling, quality control, risk management, performance measurement, and project reporting. This course prepares students for the following certification exam: CompTIA Project+.

**D325 - Networks** - Networks introduces skills in configuring networking components and a network infrastructure. Learners will gain skills in optimizing network operations for availability, performance, and security, and in troubleshooting network issues. The course prepares learners for the CompTIA Network+ certification exam. Network and Security - Foundations is a prerequisite for this course.

**D329 - Network and Security - Applications** - Network and Security - Applications prepares learners for the CompTIA Security+ certification exam. The course introduces learners to skills in identifying threats, attacks, and vulnerabilities to organizational security. The learner will also gain skills in designing security solutions for enterprise infrastructures and architectures, as well as in implementing security solutions across hardware, applications, and network services. Learners will be able to execute operations and incident response with tools, policies, forensics, and mitigation techniques, and to analyze information security controls, governance, risk, and compliance.

**D330 - Data Systems Administration** - Data System Administration provides learners with foundational skills to become a Database Administrator (DBA). This course illustrates how DBAs manage businesses are able to leverage significant data to increase profitability and support key business functions. Topics include database management tools, account administration, recovery procedures, and maintenance through upgrades and migrations.

**D333 - Ethics in Technology** - Ethics in Technology examines the ethical considerations of technology use in the 21st century and introduces students to a decision-making process informed by ethical frameworks. Students will study specific cases related to important topics such as surveillance, social media, hacking, data manipulation, plagiarism and piracy, artificial intelligence, responsible innovation, and the digital divide. This course has no prerequisites.

**D334 - Introduction to Cryptography** - Introduction to Cryptography introduces skills in applying cryptography principles in alignment with organizational and information security guidelines. Students will determine requirements and techniques for cryptanalysis. This course builds skills in implementing encryption methods with symmetric and asymmetric algorithms.

**D335 - Introduction to Programming in Python** - Introduction to Programming in Python introduces skills in creating Python scripts with basic programming concepts. Learners will be able to create control flow with functions and loops, and to implement code with packages, modules, and libraries.

**D336 - Business of IT – Applications** - Business of IT - Applications examines Information Technology Infrastructure Library (ITIL®) terminology, structure, policies, and concepts. Focusing on the management of information technology (IT) infrastructure, development, and operations, learners will explore the core principles of ITIL practices for service management to prepare them for careers as IT professionals, business managers, and business process owners. This course has no prerequisites.

**D337 - Internet of Things (IoT) and Infrastructure** - Internet of Things (IoT) and Infrastructure introduces students to emerging technologies connecting the internet to a variety of physical objects. The course reviews the business requirements for sensors and securely storing, transmitting, and processing the data they generate. As new use cases emerge, ethical and privacy issues become relevant aspects of business development. There are no prerequisites for this course.

**D338 - Cloud Platform Solutions** - Cloud Platform Solutions examines skills in identifying cloud system administration tasks related to user access groups, single sign-on (SSO), and server deployments. Students will gain skills in determining machine access for cloud storage solutions and in explaining the configuration of virtual machines for availability, scalability, performance, and security. Students will also be introduced to implementing virtual networking services and machine image monitoring. The following courses are prerequisites: Network and Security - Foundations, Network and Security - Applications, Networks, and Cloud Applications.

**D339 - Technical Communication** - Technical Communication introduces skills in editing professional communications, evaluating the impact of professional etiquette in digital environments, and in creating artifacts that are persuasive, informational, and research-based. The course also introduces skills in delivering multimedia presentations using professional verbal communication skills.

**D341 - Cloud Deployment and Operations** - Cloud Deployment and Operations provides students with technical skills in the deployment, management, and operations of cloud services. This course allows students to examine stability and scalability, backup and recovery processes, and deployment best practices. Provisioning of cloud resources, monitoring of cloud resources, and managing connectivity are also examined. The following courses are prerequisites: Cloud Applications and AWS Cloud Architecture.

**D342 - Cloud Computing Capstone** - The Cloud Computing Capstone offers learners opportunities to demonstrate the culmination of their skills learned within the Cloud Computing program. In this course, learners will show their skills by defining system components and creating implementation plans for cloud solutions. The course also offers learners ways to demonstrate their skills in determining configurations for API, performing system administration tasks, and creating test plans for cloud solutions.

**D343 - Foundations of Advanced Psychiatric Mental Health Practice** - Foundations of Advanced Psychiatric Care guides students to differentiate between mental health and mental illness. The history of psychiatric care is presented, along with cultural components that influence individual attitudes and behaviors. The student is introduced to various conceptual models and theories related to practice that provide the basis for understanding the development of psychopathology so students can apply appropriate therapeutic strategies. The student is provided with clinical practice guidelines using the Diagnostic and Statistical Manual of Mental Disorders (DSM-5) as a basis for diagnostic consistency across the life span. This course includes relevant advanced practice issues, legal and ethical components, and barriers to practice that a mental health psychiatric nurse practitioner may encounter. Various psychological responses to stress are also discussed. The following prerequisite courses are required prior to taking this course: All MSN Core courses and NP Core courses.

**D344 - The Assessment and Diagnostic Process of Psychiatric Nurse Practitioner Practice** - The learner will examine determinants to the role of the psychiatric mental health nurse practitioner in building a therapeutic relationship with patients through interviewing skills, conducting a structured assessment, milieu, types of therapy, and various care strategies, including technology usage. Integrative care will be discussed using a holistic approach that includes health maintenance, promotion, and wellness in developing treatment plans. The learner will be guided to explore their leadership role in collaborating with the interprofessional community as a nurse practitioner for mental health. Pathways of quality improvement, practice evaluation, and healthcare reform will be considered. The following prerequisite courses are required prior to taking this course: All MSN Core courses and NP Core courses.

**D345 - Psychopharmacology for Advanced Psychiatric Mental Health Practice** - Psychopharmacology for Advanced Psychiatric Mental Health Practice provides the learner with the knowledge of advanced pharmacotherapeutics to safely and appropriately prescribe agents to manage common chronic and acute mental health problems of diverse populations. This course includes differences between experimental and clinical psychopharmacology. This course covers the principles of pharmacokinetics and pharmacodynamics in administration, along with patient education. This course discusses factors of addiction and substance use, including prevalence, clinical manifestations, and treatment of various disorders. Collaborative clinical services are explored, such as group counseling, therapeutic communities, and medication support. This course's foundational information in psychopharmacology guides the learner in planning individualized mental health drug management for individuals across the life span based on setting, context, and ethics. The following prerequisite courses are required prior to taking this course: All MSN Core courses and NP Core courses.

**D346 - Advanced Psychological Care of Adults and Older Adults Across Care Settings** - Advanced Psychological Care of Adults and Older Adults Across Care Settings prepares students to provide evidence-based mental healthcare for adults, older adults, and families. This course guides students through application of age and developmentally appropriate advanced practice health assessment knowledge and diagnostic reasoning skills for adults, older adults, and families experiencing complex mental health issues. This course helps students develop treatment plans to manage specific mental health disorders for adults, older adults, and families using psychotherapeutic treatment modalities, psychopharmacology, and community resources. This course also includes the influences of family dynamics and societal norms on mental health progression and recovery. The following prerequisite courses are required prior to taking this course: All MSN Core courses and NP Core courses.

**D347 - Advanced Psychological Care of Children and Adolescents Across Care Settings** - Advanced Psychological Care of Children and Adolescents Across Care Settings prepares students to evidence-based mental healthcare for children, adolescents, and families. This course guides students through application of age and developmentally appropriate advanced practice health assessment knowledge and diagnostic reasoning skills for children, adolescents, and families experiencing complex mental health issues. This course helps students develop treatment plans to manage specific mental health disorders for children, adolescents, and families using psychotherapeutic treatment modalities, psychopharmacology, and community resources. This course also includes the influences of family dynamics and societal norms on mental health progression and recovery. The following prerequisite courses are required prior to taking this course: All MSN Core courses and NP Core courses.

**D348 - Psychiatric Mental Health Nurse Practitioner Clinical Internship I** - Through precepted clinical experiences, the learner will develop competencies needed to provide comprehensive and holistic mental health care to individuals, families, and communities across the lifespan. In the precepted clinical setting, the learner will combine competencies developed in preparatory advanced practice coursework to deliver consumer-centered mental health care. Therefore, the learner will conduct advanced mental health assessments and utilize the competencies of advanced pathophysiology, psychopharmacology, psychotherapy and health promotion for individuals and populations across the life span to build self-efficacy in individuals and groups, to determine correct diagnoses, and to establish mental health plans of care that include consumer and population preferences. All MSN Core Courses, NP Core courses, and PMHNP Specialty courses must be completed before taking this course.

**D349 - Psychiatric Mental Health Nurse Practitioner Clinical Internship II** - Through precepted clinical experiences, the learner will develop competencies needed to provide comprehensive and holistic mental health care to individuals, families, and communities across the lifespan. In the precepted clinical setting, the learner will combine competencies developed in preparatory advanced practice coursework to deliver consumer-centered mental health care. Therefore, the learner will conduct advanced mental health assessments and utilize the competencies of advanced pathophysiology, psychopharmacology, psychotherapy and health promotion for individuals and populations across the life span to build self-efficacy in individuals and groups, to determine correct diagnoses, and to establish mental health plans of care that include consumer and population preferences. All MSN Core Courses, NP Core courses, and PMHNP Specialty courses must be completed before taking this course.

**D350 - Psychiatric Mental Health Nurse Practitioner Clinical Internship III** - Through precepted clinical experiences, the learner will develop competencies needed to provide comprehensive and holistic mental health care to individuals, families, and communities across the lifespan. In the precepted clinical setting, the learner will combine competencies developed in preparatory advanced practice coursework to deliver consumer-centered mental health care. Therefore, the learner will conduct advanced mental health assessments and utilize the competencies of advanced pathophysiology, psychopharmacology, psychotherapy and health promotion for individuals and populations across the life span to build self-efficacy in individuals and groups, to determine correct diagnoses, and to establish mental health plans of care that include consumer and population preferences. All MSN Core Courses, NP Core courses, and PMHNP Specialty courses must be completed before taking this course.

**D361 - Business Simulation** - This course ties together all the skills and knowledge covered in the business courses and allows the student to prove their mastery of the competencies by applying them in a simulated business environment. This course will help take the student's knowledge and skills from the theoretical to applicable.

**D370 - IT Leadership Foundations** - IT Leadership Foundations is an introductory course that provides students with an overview of organizational structures, communication, and leadership styles specific to information technology in organizations. It also introduces students to some of the power skills that help make successful IT professionals, including time management, problem solving, and emotional intelligence. Students in this course explore their own strengths and passions in relation to the field. There are no prerequisites for this course.

**D372 - Introduction to Systems Thinking** - Introduction to Systems Thinking will provide learners with the skills required to engage in a holistic systems-based approach to analyzing complex problems and solutions. Learners will be introduced to the foundational concepts and principles of systems thinking and will be provided opportunities to use a systems thinking approach to analyze and evaluate real-world case studies. The course will culminate with learners utilizing systems thinking to develop a solution to an authentic complex problem. This course has no prerequisites, but General Education math (C955 or C957) is preferred.

**D411 - Scripting and Automation** - Scripting and Automation is the foundation for automating tasks in operating systems. Students will learn how to create PowerShell scripts that take tedious and repetitious tasks and turn them into programs that will save time. Students will learn PowerShell, an automation and configuration management tool based on a command-line shell and .NET Framework.

**D412 - Network Analytics and Troubleshooting** - Network Analytics and Troubleshooting teaches students to use network monitoring and analytics tools and practices that are common in the workplace in order to troubleshoot and fix complex computer networks. Students will follow a customer service model in identifying, classifying, investigating and repairing network outages or problems.

**D413 - Telecomm and Wireless Communications** - Students will explore the science, technologies and standards that enable wired and wireless data to be transmitted across different media. Topics include data encoding and decoding, analog and digital transmissions via wired, fiber, wireless, cellular and satellite technologies.

**D414 - Cyber Operations Fundamentals** - In Cyber Operations Fundamentals, students will learn security concepts, security monitoring, host-based analysis, network intrusion analysis, and security policies and procedures using Cisco practices and technologies. This course prepares students for the Understanding Cisco Cybersecurity Operations Fundamentals (CBROPS) 200-201 exam.

**D415 - Software Defined Networking** - Software Defined Networking (SDN) represents one of the fastest growing areas of network engineering. The SDN paradigm encompasses network automation, intent-based networking and centralized network control. This course teaches students to view networking from a centralized and automated perspective rather than from the traditional device-by-device model that is the legacy practice in many networks.

**D416 - DevNet Fundamentals** - The DevNet Fundamentals course teaches students how to automate and deploy network solutions in the Cisco Environment. This course includes APIs, Scripting, Python programming, and software version control. This course prepares students for the Cisco DevNet Associate (DevNet) 200-901 exam.

**D417 - Network Automation and Deployment** - Network Automation and Deployment leverages previous experience in networking, scripting, and programming with the SDN paradigm. Students will create programs and scripts that automate network configuration across large networks. This course is designed as a hands-on experience where students will implement these techniques in a virtual space in order to produce a secure and functional deployed network.

**D418 - BSNES Capstone Project** - The capstone project consists of a network design proposal and the implementation and testing of a virtual network. The capstone project and scope must be presented and approved by the Capstone Course Instructor prior to implementation in the virtual environment.

**D419 - Implementing and Administering Networking Solutions** - Implementing and Administering Networking Solutions expands on basic networking concepts and covers advanced network engineering skills including: Switch and router configuration, trouble shooting and maintenance on wired and wireless networks, Security, network automation and introduces Software Defined Networking. This course prepares students for the Cisco Certified Network Associate (CCNA) certification exam CCNA-200-301.

**D420 - Discrete Math: Logic** - Discrete Math-Logic is designed to help students develop competence in the use of logic and proofs and Boolean Algebra and Boolean functions. Applied Probability and Statistics and Applied Algebra are prerequisites for this course.

**D421 - Discrete Math: Functions and Relations** - Discrete Math: Functions and Relations is designed to help students develop competence in the use of set theory, finite sequences, series, relations, and directed graphs. D420 Discrete Math Logic is a prerequisite for this course.

**D422 - Discrete Math: Algorithms and Cryptography** - Discrete Math Algorithms and Cryptography addresses discrete computational methods, including searching and sorting algorithms, big-O estimates, and number theory and cryptography. D421 Discrete Math Functions and Relations is a prerequisite for this course.

**D423 - Spreadsheets** - Introduction to Spreadsheets helps learners become proficient in using spreadsheets to analyze business problems. In this course, learners will demonstrate competency in spreadsheet development and analysis for business applications (e.g., using essential spreadsheet functions, formulas, tables, charts, etc.). There are no prerequisites for this course.

**D426 - Data Management - Foundations** - Data Management - Foundations introduces learners to the concepts and terminology used in the field of data management. Students will be introduced to Structured Query Language (SQL) and will learn how to use Data Definition Language (DDL) and Data Manipulation Language (DML) commands to define, retrieve, and manipulate data. This course covers differentiations of data—structured vs. unstructured and quasi-structured (relational, hierarchical, XML, textual, visual, etc.). It also covers aspects of data management (quality, policy, storage methodologies). Foundational concepts of data security are included. No prerequisites are required for this course.

**D427 - Data Management - Applications** - Data Management - Applications covers conceptual data modeling and introduces MySQL. Students will learn how to create simple to complex SELECT queries, including subqueries and joins, and how to use SQL to update and delete data. Topics covered in this course include exposure to MySQL; creating and modifying databases, tables, views, foreign keys and primary keys (FKs and PKs), and indexes; populating tables; and developing simple Select-From-Where (SFW) queries to complex 3+ table join queries. The following course is a prerequisite: Data Management - Foundations.

**DPT1 - Physics: Electricity and Magnetism** - Physics: Electricity and Magnetism addresses principles related to the physics of electricity and magnetism. Students will study electric and magnetic forces and then apply that knowledge to the study of circuits with resistors and electromagnetic induction and waves, focusing on such topics as electric charge and electric field, electric currents and resistance, magnetism, electromagnetic induction and Faraday's law, and Maxwell's equation and electromagnetic waves.

**DPT2 - Physics: Electricity and Magnetism** - Physics: Electricity and Magnetism addresses principles related to the physics of electricity and magnetism. Students will study electric and magnetic forces and then apply that knowledge to the study of circuits with resistors and electromagnetic induction and waves. This course will focus on such topics as electric charge and electric field, electric currents and resistance, magnetism, electromagnetic induction and Faraday's law, and Maxwell's equation and electromagnetic waves.

**DWP2 - Application of Elementary Social Studies Methods** - Application of Elementary Social Studies Methods helps students learn how to implement effective social studies instruction in the elementary classroom. Topics include social studies themes, promotion of cultural diversity, integrated social studies across the curriculum, social studies learning environments, assessment of social studies understanding, differentiated instruction for social studies, technology for social studies instruction, and standards-based social studies instruction. This course helps students apply, analyze, and reflect on effective elementary social studies instruction. This course is designed to be taken after successful completion of Introduction to Curriculum, Instruction, and Assessment OR Instructional Planning and Presentation in Elementary Education.

**DZP2 - Application of Elementary Visual and Performing Arts Methods** - Application of Elementary Visual and Performing Arts Methods helps students learn how to implement effective visual and performing arts instruction in the elementary classroom. Topics include integrating arts across the curriculum, music education, visual arts, dance and movement, dramatic arts, differentiated instruction for visual and performing arts, and the promotion of cultural diversity through visual and performing arts instruction. This course helps students apply, analyze, and reflect on effective elementary visual and performing arts instruction. This course is designed to be taken after successful completion of Introduction to Curriculum, Instruction, and Assessment OR Instructional Planning and Presentation in Elementary Education.

**EBP2 - Application of Elementary Physical Education and Health Methods** - Applications of Elementary Physical Education and Health Methods helps students learn how to implement effective physical and health education instruction in the elementary classroom. Topics include healthy lifestyles, student safety, student nutrition, physical education, differentiated instruction for physical and health education, physical education across the curriculum, and public policy in health and physical education. This course helps students apply, analyze, and reflect on effective elementary visual and performing arts instruction. This course is designed to be taken after successful completion of Introduction to Curriculum, Instruction, and Assessment OR Instructional Planning and Presentation in Elementary Education.



**ELO1 - Subject Specific Pedagogy: ELL** - Subject Specific Pedagogy: ELL integrates aspects of pedagogy, assessment, and professionalism in English Language Learning (ELL). A student develops and assesses aspects of language curriculum development including second language instruction, methods of second language assessment, and legal policy issues.

**FEA1 - Field Experience for ELL** - Field Experience for ELL is the field experience component of the English Language Learning program. In this experience, students are required to complete a minimum of 15 hours of video observations for both elementary and secondary levels. Additionally, a supervised teaching experience that is face-to-face with English language learners (ELL) according to the minimum time requirements of the student's state is required. The purpose of this course is to assess the ability of students, including their engagement in field experience activities, ability to reflect on and then plan standards-based instruction in ELL, and their ability to locate and effectively use resources for teaching ELL to meet the needs of their individual learners.

**HMP1 - Cases in Advanced Human Resource Management** - Cases in Advanced Human Resource Management guides students in applying their knowledge of human resource management by completing a case study. Students will apply critical human resource strategies in the areas of legal/regulatory compliance, recruitment and selection of personnel, performance and feedback mechanisms, and financial and benefits compensation.

**IDC1 - Foundations of Instructional Design** - Foundations of Instructional Design provides an overview of how to select the most appropriate learning theories, design processes, and instructional strategies based on learner audience, instructional setting, and current and desired state of learning.

**JNT2 - Instructional Design Analysis** - Instructional Design Analysis focuses on using analysis of needs to determine the needs and interests of learners and scope and sequence for developing a logical approach for an education program with appropriate and measurable objectives.

**JOT2 - Issues in Instructional Design** - Issues in Instructional Design focuses on learning theories, learner analysis, scope and sequence, instructional strategies, task analysis and design theories, media and technology foundations, and adaptive technologies for special populations for creating effective, well-articulated, and efficient instruction.

**JPT2 - Instructional Design Production** - Instructional Design Production focuses on the application of a systematic process of instructional design, namely the concepts and procedures for analyzing and designing successful instruction. This course will prepare students to conduct a goal analysis, which is used to identify instructional goals, as well as a task analysis, which is used to determine the skills and knowledge required to accomplish those goals. This course also focuses on writing performance objectives, designing assessments, and developing instruction that incorporates relevant learning theories. Methods for formatively evaluating a unit of instruction are also introduced. There are no prerequisites for this course.

**JQT2 - Issues in Measurement and Evaluation** - Issues in Measurement and Evaluation focuses on the understanding of formative and summative evaluation and quantitative and qualitative data collection tools, including rubrics and the processes of evaluation.

**JRT2 - Evaluation Methodology and Instrumentation** - Evaluation Methodology and Instrumentation focuses on using qualitative and quantitative data collection tools and techniques to construct and evaluate valid and reliable measuring instruments.

**JST2 - Evaluation Process and Recommendation** - Evaluation Process and Recommendation focuses on implementing and interpreting a formative evaluation and reporting results and recommendations to stakeholders.

**LPA1 - Language Production, Theory and Acquisition** - Language Production, Theory and Acquisition focuses on describing and understanding language and the development of language. It includes the study of acquisition theory, error correction strategies, and applied phonology.

**LZT2 - Power, Influence and Leadership** - Power, Influence, and Leadership focuses on the development of the critical leadership and soft skills necessary for success in information technology leadership and management. The course focuses specifically on skills such as cultivating effective leadership communication, building personal influence, enhancing emotional intelligence (soft skills), generating ideas and encouraging idea generation in others, conflict resolution, and positioning oneself as an influential change agent within different organizational cultures. There are no prerequisites for this course.

**MBT2 - Technological Globalization** - Technological Globalization explores information and communication technologies used to meet business needs in global markets. IT executives must analyze their organization's technological needs, develop internationally-capable strategic plans, and mitigate the operational challenges of each of the countries in which the organization does business. This course provides students with the practical knowledge and understanding of how to plan, evaluate, and successfully integrate effective and efficient technical communication solutions in the global business market. This course has no prerequisites.

**MEC1 - Foundations of Measurement and Evaluation** - Foundations of Measurement and Evaluation focuses on assessment validity, constructing reliable test instruments, identifying appropriate item and instrument types, qualitative data collection tools and techniques, and conducting a formative and summative evaluation for an instructional product or program.

**MFT2 - Mathematics (K-6) Portfolio Oral Defense** - Mathematics (K-6) Portfolio Oral Defense: Mathematics (K-6) Portfolio Defense focuses on a formal presentation. The student will present an overview of their teacher work sample (TWS) portfolio discussing the challenges they faced and how they determined whether their goals were accomplished. They will explain the process they went through to develop the TWS portfolio and reflect on the methodologies and outcomes of the strategies discussed in the TWS portfolio. Additionally, they will discuss the strengths and weaknesses of those strategies and how they can apply what they learned from the TWS portfolio in their professional work environment.

**MG2 - IT Project Management** - IT Project Management provides an overview of the Project Management Institute's project management methodology. Topics cover various process groups and knowledge areas and application of knowledge in case studies for planning a project that has not started yet and monitoring/controlling a project that is already underway.

**MMT2 - IT Strategic Solutions** - IT Strategic Solutions guides students in identifying strategic opportunities and emerging technologies through research and deciding on a system to support a growing company. Topics will include technology strategy; gap analysis; researching new technology; strengths, opportunities, weaknesses, and threats; ethics; risk mitigation; data security, communication plans; and globalization.

**NMA1 - Professional Role of the ELL Teacher** - The Professional Role of the ELL Teacher focuses on issues of professionalism for the English Language Learning teacher and leader. This includes program development, ethics, engagement in professional organizations, serving as a resource, and ELL advocacy.

**NNA1 - Planning, Implementing, Managing Instruction** - Planning, Implementing, Managing Instruction focuses on a variety of philosophies and grade levels of English Language Learner (ELL) instruction. It includes the study of ELL listening and speaking, ELL reading and writing, specially designed academic instruction in English (SDAIE), and specific issues for various grade level instruction.

**OOT2 - Mathematics History and Technology** - In Math History and Teaching, students will learn about a variety of technological tools for doing mathematics and develop a broad understanding of the historical development of mathematics. Mathematics is a very human subject that comes from the macro-level sweep of cultural and societal change as well as the micro-level actions of individuals with personal, professional, and philosophical motivations. This course will focus on the historical development of mathematics, including contributions of significant figures and diverse cultures. Students will learn to evaluate and apply technological tools and historical information to create an enriching student-centered mathematical learning environment.

**OPT2 - Mathematics Learning and Teaching** - Mathematics Learning and Teaching will help students develop the knowledge and skills necessary to become a prospective and practicing educator. This course will help students use a variety of instructional strategies to effectively facilitate the learning of mathematics. It focuses on selecting appropriate resources, using multiple strategies, and instructional planning, with methods based on research and problem solving. A deep understanding of the knowledge, skills, and disposition of mathematics pedagogy is necessary to become an effective secondary mathematics educator. There are no prerequisites for this course.

**PFIT - Business - IT Management Portfolio Requirement** - Business - IT Management Portfolio Requirement is designed to help the learner complete the culminating Undergraduate Business Portfolio assessment; it focuses on developing a business portfolio containing a strengths essay, a career report, a reflection essay, a resume, and exhibits that support one's strengths in the work place.

**QDT1 - Abstract Algebra** - Geometry for Secondary Mathematics Teaching explores important conceptual underpinnings, common misconceptions, appropriate use of technology, and instructional practices to support and assess the learning of geometry. Secondary teachers in this course will develop a deep understanding of constructions and transformations, congruence and similarity, analytic geometry, solid geometry, conics, trigonometry, and the historical development of content. Calculus I and College Geometry are prerequisites for this course.

**QDT2 - Abstract Algebra** - Abstract Algebra is the axiomatic and rigorous study of the underlying structure of algebra and arithmetic. It covers the knowledge and skills necessary to understand, apply, and prove theorems about numbers, groups, rings, and fields. Topics include the well-ordering principle, equivalence classes, the division algorithm, Euclid's algorithm, prime factorization, greatest common divisor, least common multiple, congruence, the Chinese remainder theorem, modular arithmetic, rings, integral domains, fields, groups, roots of unity, and homomorphisms. Linear Algebra is a prerequisite for this course.

**QET1 - Business - HR Management Capstone Project** - For the Business - HR Management Capstone Project students will integrate and synthesize competencies from across their degree program to demonstrate their ability to participate in and contribute value to their chosen professional field. A comprehensive business plan is developed for a company that offers HR products or services. The business plan includes a market analysis, financial statements and analysis, and specific strategic actions relevant to the chosen company.

**QFT1 - Business - IT Management Capstone Project** - The capstone requires students to demonstrate the integration and synthesis of competencies in all domains required for the degree in Information Technology Management. The student produces a business plan for a start-up company that is selected and approved by the student and mentor.

**QGT1 - Business Management Capstone Written Project** - For the Business Management Capstone Written Project students will integrate and synthesize competencies from across their degree program to demonstrate their ability to participate in and contribute value to their chosen professional field. A comprehensive business plan is developed for a company that plans to sell a product or service in a local market, national market, or on the Internet. The business plan includes a market analysis, financial statements and analysis, and specific strategic actions relevant to the chosen company.

**QHT1 - Business Management Tasks** - Business Management Tasks addresses important concepts needed to effectively manage a business.

Topics include understanding the cost-quality relationship, using various types of graphical charts in operations management, managing innovation, and developing strategies for working with individuals and groups.

**QJT2 - Calculus I** - Calculus I is the study of rates of change in relation to the slope of a curve and covers the knowledge and skills necessary to use differential calculus of one variable and appropriate technology to solve basic problems. Topics include graphing functions and finding their domains and ranges; limits, continuity, differentiability, visual, analytical, and conceptual approaches to the definition of the derivative; the power, chain, and sum rules applied to polynomial and exponential functions, position and velocity; and L'Hopital's Rule. Candidates should have completed a course in Pre-Calculus before engaging in this course.

**QTT2 - Finite Mathematics** - Finite Mathematics covers the knowledge and skills necessary to apply discrete mathematics and properties of number systems to model and solve real-life problems. Topics include sets and operations, prime and composite numbers, greatest common divisor and least common multiple, order of operations, ordering numbers, and mathematical systems. These systems include modular arithmetic; arithmetic and geometric sequences; ratio and proportion; subsets of real numbers; logic and truth tables; graphs, trees, and networks; and permutation and combination. There are no prerequisites for this course.

**RKT1 - Linear Algebra** - Linear Algebra is the study of the algebra of curve-free functions extended into three- or higher-dimensional space. It covers the knowledge and skills necessary to apply vectors, matrices, matrix theorems, and linear transformations and to use technology to model and solve real-life problems. It also covers properties of and proofs about vector spaces. Topics include linear equations and their matrix-vector representation  $Ax=b$ ; row reduction; linear transformations and their matrix representations (shear, dilation, rotation, reflection); matrix operations matrix inverses and invertible matrix characterizations; computing determinants; relating determinants to area and volume; and axiomatic and intuitive definitions of vector spaces and subspaces; and proving theorems about them. College Geometry and Calculus II are prerequisites for this course.

**RKT2 - Linear Algebra** - Linear Algebra is the study of the algebra of curve-free functions extended into three-or-higher-dimensional space. It covers the knowledge and skills necessary to apply vectors, matrices, matrix theorems, and linear transformations and to use appropriate technology to model and solve real-life problems. It also covers properties of and proofs about vector spaces. Topics include linear equations and their matrix-vector representation  $Ax=b$ , row reduction, linear transformations and their matrix representations (shear, dilation, rotation, reflection), matrix operations, matrix inverses and invertible matrix characterizations, computing determinants, relating determinants to area and volume, and axiomatic and intuitive definitions of vector spaces and subspaces and how to prove theorems about them. College Geometry and Calculus II are prerequisites for this course.

**RNT1 - General Physics** - This course provides a broad overview of the principles of mechanics, thermodynamics, wave motion, modern physics, and electricity and magnetism. and invites students to apply them by solving problems, performing labs, and reflecting on concepts and ideas.

**RNT2 - General Physics** - This course provides a broad overview of the principles of mechanics, thermodynamics, wave motion, modern physics, and electricity and magnetism and invites students to apply them by solving problems, performing labs, and reflecting on concepts and ideas.

**RXT2 - Precalculus and Calculus** - Precalculus and Calculus provides instruction in precalculus and calculus and applies them to examples found in both mathematics and science. Topics in precalculus include principles of trigonometry, mathematical modeling, and logarithmic, exponential, polynomial, and rational functions. Topics in calculus include conceptual knowledge of limit, continuity, differentiability, and integration.

**SLO1 - Theories of Second Language Acquisition and Grammar** - Theories of Second Language Learning Acquisition and Grammar covers content material in applied linguistics, including morphology, syntax, semantics, and grammar. Students will explore the role of dialect in the classroom, the connections between language and culture, and the theories of first and second language acquisition.

**TAT2 - Technology Production** - Technology production focuses on the foundation of media and technology, integrated technology development, the integration of technology into appropriate instructional uses of productivity, and applying different research applications in the learning environment.

**TDT1 - Technology Design Portfolio** - Technology Design Portfolio focuses on gaining a broad overview of the field of technology integration with a fundamental understanding of some key concepts and principles, and enhancing technology skills to enable the producing of exportable instructional and professional products using various integrated application programs.

**TET1 - Issues in Technology Integration** - Issues in Technology Integration focuses on the legal and ethical practice of technology, some personal uses of electronic resources, the need for protection of information, the foundations of media and technology, what electronic learning communities are, and adaptive technologies for special populations.

**TOC2 - Probability and Statistics I** - Probability and Statistics I covers the knowledge and skills necessary to apply basic probability, descriptive statistics, and statistical reasoning and to use appropriate technology to model and solve real-life problems. It provides an introduction to the science of collecting, processing, analyzing, and interpreting data, including representations, constructions, and interpretation of graphical displays (e.g., box plots, histograms, cumulative frequency plots, scatter plots). Topics include creating and interpreting numerical summaries and visual displays of data; regression lines and correlation; evaluating sampling methods and their effect on possible conclusions; designing observational studies, controlled experiments, and surveys; and determining probabilities using simulations, diagrams, and probability rules. College Algebra is a prerequisite to this course.

**TQC1 - Probability and Statistics II** - Probability and Statistics II covers the knowledge and skills necessary to apply random variables, sampling distributions, estimation, and hypothesis testing, and to use appropriate technology to model and solve real-life problems. It provides tools for the science of analyzing and interpreting data and includes statistical variability and its sources and the role of randomness in statistical inference. Topics include discrete and continuous random variables; expected values; the Central Limit Theorem; the identification of unusual samples; population parameters; point estimates; confidence intervals; influences on accuracy and precision; hypothesis testing; and statistical tests (z mean, z proportion, one sample t, paired t, independent t, ANOVA, chi-squared, and significance of correlation). Calculus II and Probability and Statistics I are prerequisites for this course.

**TQC2 - Probability and Statistics II** - Probability and Statistics II covers the knowledge and skills necessary to apply random variables, sampling distributions, estimation, and hypothesis testing and to use appropriate technology to model and solve real-life problems. It provides tools for the science of analyzing and interpreting data and includes statistical variability and its sources and the role of randomness in statistical inference. Topics include discrete and continuous random variables, expected values, the central limit theorem, the identification of unusual samples, population parameters, point estimates, confidence intervals, influences on accuracy and precision, hypothesis testing and statistical tests (z mean, z proportion, one sample t, paired t, independent t, ANOVA, chi-squared, and significance of correlation). Calculus II and Probability and Stats I are prerequisites to this course.

**UQT1 - Organic Chemistry** - This course focuses on the study of compounds that contain carbon, much of which is learning how to organize and group these compounds based on common bonds found within them in order to predict their structure, behavior, and reactivity.

**VZT1 - Marketing Applications** - Marketing Applications allows students to apply their knowledge of core marketing principles by creating a comprehensive marketing plan. The plan will apply knowledge of the marketing planning process, market analysis, and the marketing mix (product, place, promotion, and price).

# Instructor Directory

## General Education

Adams, William; MA, Savannah College of Art & Design  
Albrecht, Brent; Doctorate Degree, University of California, Santa Barbara  
Alcazar, Victoria; PhD, University of Massachusetts Amherst  
Alexander, Ledora; EdS, Walden University  
Alt, Andrea; Doctorate Degree, University of Northern Colorado  
Altheimer-Bienemy, Keelia; Doctorate Degree, University of Southern Mississippi  
Anger, Carly; PhD, Marquette University  
Askinosie, Scott; PhD, University of Missouri  
Bakhtary, Elham; Doctorate Degree, George Washington University  
Ballone, Frank; PhD, Ohio University  
Barford, Mary; PhD, Purdue University  
Barnes, Daniel; PhD, Mississippi State University  
Barnes, Lori; PhD, West Virginia University  
Battistelli, Todd; PhD, University of Texas at Austin  
Baty, Amanda; PhD, Texas Tech University  
Bearry, Brian; PhD, University of North Texas  
Beedle, Thanh; Doctorate Degree, Washington State University  
Bendall, Gareth; PhD, University of Kentucky  
Benson, Bryan; PhD, Boston College  
Bilbrey, Joshua; PhD, Texas State University  
Biroschak, Bart; Specialist Degree, University of Cincinnati  
Bissler, Mark; PhD, Kent State University  
Black, Hilda; PhD, Louisiana Tech University  
Borden, Anne; PhD, Emory University  
Bradley, Stephen; Doctorate Degree, University of Idaho  
Brewer, Craig; PhD, University of Notre Dame  
Brown, Bonnie; PhD, Stephen F. Austin State University  
Brown, Carrie; PhD, Saint Louis University  
Browning, Ellen; PhD, University of Texas Arlington  
Bruce, Amanda; Doctorate Degree, Stony Brook University  
Burch, Tanya; PhD, University of North Carolina Chapel Hill  
Burrichter, Vicki; DMA, University of Northern Colorado  
Byrnes, Sean; PhD, Emory University  
Califano, Joanne; EdD, Northeastern University  
Campbell, Elizabeth; Doctorate Degree, University of Washington  
Carper, David; PhD, Yale University  
Carrier, Rebecca; PhD, University of Illinois  
Castaneda, Gilivaldo; MEd, University of Texas at San Antonio  
Cathell, Alicia; Doctorate Degree, Argosy University  
Chakraborty, Suparna; PhD, Purdue University  
Chevalier, Dorene; MEd, Anna Maria College  
Chittick, Sharla; PhD, University of Stirling  
Cowan, Christy; PhD, University of South Carolina  
Crawford, Nathan; PhD, University of Tennessee  
Crooks, Kathleen; PhD, University of Akron  
Crookston, Andrew; PhD, Washington State University  
Cutler, Shane; PhD, Duke University  
DeFlorio, Reagan; PhD, University of Illinois at Chicago  
DeLair, Barbra; Master's Degree, Arizona State University  
Dempster, Wesley; PhD, Bowling Green State University  
Dillon, Jeanette; PhD, Bowling Green State University  
Dodge, Joshua; MA, University of Central Florida  
Dorn, Amanda; Doctorate Degree, Ohio University  
Dorre, Gina; PhD, Tulane University  
Douglas, Katherine; PhD, University of California San Diego  
Doyle, Michael; PhD, Kent State University

Dungar, Michael; MA, Boston College  
 Edmunds, Jeffrey; PhD, University of Arizona  
 Eskridge, Katie; Doctorate Degree, Louisiana State University  
 Evenson Newhouse, Ranae; PhD, Vanderbilt University  
 Everett, Amy; PhD, University of Alabama  
 Fehnel, Bradley; MS, University of Wisconsin Milwaukee  
 Fisher, Alyssa; Doctorate Degree, Bowling Green State University  
 Francis, Katherine; PhD, University of Illinois at Urbana-Champaign  
 Franco, Heidi; PhD, University of Utah  
 Galindez, Dahlia; MA, Western Governors University  
 Gbur, Robin; PhD, University of New Mexico  
 Geppi, Denna; Doctorate Degree, Howard University  
 Gleason, Christine; Doctorate Degree, George Mason University  
 Goodwin, Rachel; PhD, University of Texas Arlington  
 Gravitte, Kristen; PhD, University of Tulsa  
 Groner, Matt; MFA, Bennington College  
 Gumaer, Dennis; PhD, University of California Riverside  
 Hann, Nichelle; PhD, University of Florida  
 Harney, Isaiah; PhD, University of Kentucky  
 Harris, Steven; PhD, Indiana University Bloomington  
 Hayne, Victoria; PhD, University of California, Los Angeles  
 Hibbard, Brandon; Doctorate Degree, Eastern Kentucky University  
 Hildebrandt, Jill; PhD, Southern Illinois University, Carbondale  
 Hillyer, Aaron; PhD, University of Nebraska  
 Hoar, Bob; Doctorate Degree, Montana State University  
 Hoffman, John; PhD, Kent State University  
 Horne, Lisa; MA, Brigham Young University  
 Hurley, Norman; PhD, University of Illinois at Urbana-Champaign  
 Jackson, Patrick; ABD, Indiana University of Pennsylvania  
 Jensen, Taylor; PhD, Montana State University  
 Jesse, Odin; PhD, Texas Tech University  
 Jeune, Megan; Doctorate Degree, Illinois State University  
 Johnson, Cassandra; PhD, University of Southern Mississippi  
 Johnson, Jocelyn; Master's Degree, University of Wisconsin-Madison  
 Johnson, Kristi; PhD, Louisiana State University  
 Johnson, Sarah; PhD, University of North Carolina at Charlotte  
 Johnson, Stephanie; MBA, Alabama A&M University  
 Jones, Lee; PhD, Clark Atlanta University  
 Kalikanda, Jane; PhD, Binghamton University  
 Kasper, Gwendolyn; MA, Western Governors University  
 Kelly, Lynn; EdD, Argosy University  
 Kim, Doe; PhD, University of Illinois at Urbana-Champaign  
 Kim, Mijung; PhD, Ohio State University  
 King, Jeffrey; Doctorate Degree, University of Northern Colorado  
 King, Michelle; PhD, University of Northern Colorado  
 Kmetz, Richard; Doctorate Degree, University of Nevada  
 Knieps, Linda; PhD, Vanderbilt University  
 Knous, Melissa; PhD, Texas A&M University Commerce  
 Krisuk, Jennifer; PhD, University of Tulsa  
 Ku, Yu; PhD, Northcentral University  
 Landry, Stan; PhD, University of Arizona  
 Latham, Kary; PhD, University of Tennessee  
 Lathers, Heather; PhD, Case Western Reserve University  
 Lee, ZaNyaa; MA, California State University Northridge  
 Leep, Matthew; PhD, University of Connecticut  
 Lettau, Lisa; PhD, University of Delaware  
 Licursi, Kimberly; PhD, University at Albany  
 Louis, Anitra; Master's Degree, University of Phoenix  
 Lukin, Kara; PhD, University of Colorado  
 Madden, Daniel; MA, Eastern Kentucky University

Maestri, Melissa; PhD, University of Delaware  
 Mammen, John; EdD, University of Phoenix  
 Mandel, Nicole; PhD, Columbia University  
 Markakis, Mary; Doctorate Degree, George Mason University  
 Mays Yahl, Ashley; PhD, University of North Carolina at Chapel Hill  
 McCune, Timothy; PhD, Southern Illinois University  
 McDonald, Aaron; Master's Degree, University of Utah  
 McWatters, Mason; PhD, University of Texas at Austin  
 Melnikova, Yuliya; PhD, Texas State University - San Marcos  
 Metzger, Christopher; PhD, University of South Florida  
 Meyer, Nicolas; PhD, Southern Illinois University  
 Miller, Don; PhD, Morehouse School of Medicine  
 Moody, Vivian; PhD, University of Georgia  
 Mosgrove, Sharon; PhD, University of Iowa  
 Muhovich, Ned; PhD, University of Denver  
 Murphy, Jill; Doctorate Degree, Northcentral University  
 Murphy, Ryan; Doctorate Degree, University of Missouri  
 Nader, Martin; PhD, University of Nebraska  
 Nash, LeAnn; PhD, Texas A&M University-Commerce  
 Nicley, Erinn; Doctorate Degree, University of Illinois  
 Overmyer, Gerald; PhD, Colorado State University  
 Palmer, Michael; PhD, Texas Tech University  
 Parker, Allison; MFA, University of North Carolina at Wilmington  
 Parker, Chasta; Doctorate Degree, University of South Carolina-Columbia  
 Parker, Debra; PhD, Illinois State University  
 Parrish, Anca; PhD, University of Memphis  
 Parton, Sabrena; PhD, University of Southern Mississippi  
 Parvin, Kathleen; PhD, Purdue University  
 Pattman, Candace; Doctorate Degree, Concordia University  
 Potter, Christine; PhD, University of Iowa  
 Price, Stacy; PhD, Capella University  
 Przygodzki, Robert; PhD, Northern Illinois University  
 Quintela, Melissa; PhD, Indiana University  
 Redkey, Elizabeth; PhD, University at Albany, State University of New York  
 Reid, Ben; PhD, University of Oregon  
 Remington, Theodore; PhD, University of Iowa  
 Rhodes, Kristofer; PhD, University of California Irvine  
 Richardson, Curtis; PhD, Northern Illinois University  
 Richeson, Jennifer; PhD, Michigan State University  
 Richmond, Jennifer; PhD, Duquesne University  
 Rightler-McDaniels, Jodi; Doctorate Degree, University of Tennessee  
 Roberts, Jennifer; EdD, Walden University  
 Robinson, Scott; DMin, Drew University  
 Rosenblatt, Heather; PhD, Ohio State University  
 Ross, Brittany; EdD, Regent University  
 Ross, Kay; Doctorate Degree, Ohio University  
 Rothrock, Teresa; PhD, University of Oklahoma  
 Rupert, Nina; PhD, University of Idaho  
 Saldua, Meagan; PhD, Texas A&M University  
 Sanchez, Melvin; PhD, University of California Irvine  
 Sandlin, Scott; PhD, Texas Tech University  
 Santoro, Lauren; PhD, West Virginia University  
 Sayre Baptista, Amy; MFA, University of Illinois, Urbana  
 Schweitzer, Andrea; PhD, University of Wisconsin  
 Scotece, Shannon; PhD, State University of New York at Albany  
 Scott, Jessica; PhD, Brigham Young University  
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 Shahi, Kimberly; PhD, University of Texas Arlington  
 Sharpe, Barry; PhD, University of South Carolina  
 Simmons, Nathaniel; PhD, Ohio University

Simms, Edward; EdS, Alabama State University  
 Sink, Cristina; MEd, Northern Kentucky University  
 Smith, Michael; PhD, Institute for Doctoral Studies in the Visual Arts  
 Smits Masten, Sally; PhD, University of North Carolina Greensboro  
 Sperry, Amanda; PhD, Georgia State University  
 Spinazola, Lisa; PhD, University of South Florida  
 St Martin, Ashley; MS, University of Vermont  
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 Steele, Bridget; Doctorate Degree, University of Central Florida  
 Stillwell, Darrell; Doctorate Degree, University of the Cumberland  
 Storm, Anna; PhD, University of Wisconsin-Milwaukee  
 Storm, Buddy; Doctorate Degree, Marquette University  
 Strong, Nicole; PhD, Clark Atlanta University  
 Stuckey, Lexi; PhD, University of Tulsa  
 Sviderskaya, Ilona; PhD, University of Iowa  
 Tarun, Alice; Doctorate Degree, University of California  
 Teters, Kristopher; PhD, University of Alabama  
 Thompson, Laila; Doctorate Degree, North Carolina State University  
 Thomsen, Kyle; PhD, Loyola University Chicago  
 Timmer, Kristin; PhD, University of Tennessee  
 Tolin Schultz, Alex; PhD, Stony Brook University  
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 Tronstad, LaRae; PhD, University of Texas at Austin  
 Tucker, Diana; PhD, Southern Illinois University Carbondale  
 Turner, Brandon; PhD, The Catholic University of America  
 Vasquez, Lauren; PhD, Mississippi State University  
 Velarde, Annette; PhD, Saybrook University  
 Vida, Anna; MFA, Arizona State University  
 Walker, Hope; MA, Courtauld Institute of Art  
 Webb, Dave; MA, Pacific University in Oregon  
 Wellinghoff, Lisa; PhD, University of Tulsa  
 Westmoreland, Brandi; PhD, Texas A&M University Commerce  
 Wicker, Michael; EdD, Stephen F. Austin State University  
 Wilcox, Joey; Doctorate Degree, University of Nevada  
 Wilkinson, Shaunna; Doctorate Degree, Marquette University  
 Wood, Alana; Doctorate Degree, Purdue University  
 Yunker, Mathew; PhD, University of California, Irvine  
 Zivkovic, Vladimir; PhD, University of North Dakota

## College of Business

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 Adler, Kathleen; PhD, Southern Methodist University  
 Aki, Charles; Doctorate Degree, Ohio State University  
 Alafita, Theresa; PhD, George Washington University  
 Alward, Thomas; Doctorate Degree, Northcentral University  
 Ammons, David; PhD, NorthCentral University  
 Anderson, Rebekah; DBA, Capella University  
 Arenz, Austin; DM, Colorado Technical University  
 Argiento, Steven; JD, Pace University School of Law  
 Austin, Judy; MBA, Western Governors University  
 Baime, Eric; JD, Nova Southeastern University  
 Baksh, Andre; PhD, University of Utah  
 Banks, Lezlie; Doctorate Degree, Argosy University  
 Baqai, Haroon; Doctorate Degree, University of Maryland University College  
 Baraghoshi, Behroz; PhD, University of Utah  
 Barton, Robert; EdS, Utah State University  
 Beckles, Lloyd; PhD, University of Central Florida  
 Bellflower, Lauren; PhD, University of the Cumberland  
 Borch, Casey; PhD, University of Connecticut  
 Borg, Andrew; DBA, Walden University

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 Carr, Michael; JD, St. John's University  
 Case, Tuyet; Doctorate Degree, Northcentral University  
 Cassell, Kenneth; MBA, San Jose State University  
 Chu, Kaihsi; Doctorate Degree, University of Washington  
 Conklin, Laurie; MBA, Fordham University  
 Connor, Martin; JD, University of North Dakota  
 Cousar, Regina; EdD, Northeastern University  
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 Davis, Mary Jo; EdD, Central Michigan University  
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 Dickinson, Christine; MM, Purdue University  
 Dillard, Clint; Master's Degree, University of Alabama at Birmingham  
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 Dorman, Brigham; PhD, Texas Tech University  
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 Garrido, Laura; Doctorate Degree, Nova Southeastern University  
 Gatlin, Jacob; Doctorate Degree, Kennesaw State University  
 Gilyot, Bianca; DBA, Columbia Southern University  
 Giscombe, Hilbert; DBA, Argosy University  
 Goegan, Brian; Doctorate Degree, University of Illinois at Chicago  
 Goggins, Trunnis; Doctorate Degree, Walden University  
 Goolsby, Pazanta; Doctorate Degree, University of Phoenix  
 Gwyn, Mary; Master's Degree, Western Governors University  
 Hall, Thomas; Master's Degree, University of Texas Arlington  
 Harding, Stephen; MBA, Iona College  
 Hartig, Chris; EdD, Northcentral University  
 Hartzog, Jerry; PhD, University of Alabama  
 Havel, Milan; Doctorate Degree, Capella University  
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 Heinzman, Robert; DM, Colorado Technical University  
 Hon, Charles; PhD, Capella University  
 Hope, Ashley; Doctorate Degree, George Fox University  
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 Iannucci, Brian; PhD, Northcentral University  
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 Jividen, Jim; JD, Ohio Northern University  
 Johnson, Janice; Doctorate Degree, Capella University  
 Jones, Alan; MBA, Amos Tuck School Dartmouth College  
 Jones, Carmen; Doctorate Degree, Argosy University  
 Joseph, Thomas; Doctorate Degree, PhD Capella University



Justice, Jeanne; DBA, Walden University  
 Kale, Mrinalini; PhD, Capella University  
 Keels, Stephen; Doctorate Degree, Capella University  
 Kong, Ying; Doctorate Degree, Pennsylvania State University  
 Korb, David; Master's Degree, College of Santa Fe  
 Kushniroff, Melinda; EdD, Liberty University  
 Lamer, Maryann; PhD, Oklahoma State University  
 Leary, Maureen; PhD, Northcentral University  
 Lefly, Dianne; Doctorate Degree, University of Denver  
 Lemmonds, Jody; EdD, Trevecca Nazarene University  
 Leonard, Dee; Doctorate Degree, Walden University  
 Leschke, John; PhD, University of Virginia  
 Leshinski, Dianne; MBA, University of Dayton  
 Lutter-Cooper, Victoria; PhD, Capella University  
 Magwood-Golston, Jametta; PhD, University of South Carolina  
 Mandelbaum, Sara; PhD, University of California, Santa Barbara  
 Mason, Ebony; Doctorate Degree, Walden University  
 McCleskey, Jim; PhD, Capella University  
 McDannell, Carol; Doctorate Degree, Northcentral University  
 McDonald, Sandy; Master's Degree, University of Dallas  
 McKay, Christina; JD, University of Baltimore School of Law  
 Melton, Rebecca; PhD, Chicago School of Professional Psychology  
 Merchant, Sylnovie; Doctorate Degree, University of Arkansas  
 Meseke, Lori; Master's Degree, Western Governors University  
 Meyer, Elin; JD, Cleveland State University  
 Miller, Kim; EdD, University of St. Francis  
 Miller, Lori; LLM, New York University  
 Miller, Louise; Doctorate Degree, University of Texas  
 Miller, Tate; PhD, Trident University International  
 Mitterer, Dennis; PhD, Walden University  
 Moore, Detria; JD, Liberty University School of Law  
 Morant, LaWanda; Doctorate Degree, Argosy University  
 Morgan, Patricia; DM, University of Phoenix  
 Murphy, Deborah; Doctorate Degree, California Southern University  
 Neely, Alex; MBA, University of North Carolina Greensboro  
 Nelms, Linda; PhD, Capella University  
 Nicolet, Laura; Doctorate Degree, Indiana Wesleyan University  
 O'Brien, Joseph; EdD, George Washington University  
 Owusu, Dwobeng; PhD, Keiser University  
 Palmer, Terence; DBA, Walden University  
 Patrick, Robin; Master's Degree, Liberty University  
 Patton, George; PhD, Walden University  
 Pawarski, Richard; PhD, Northcentral University  
 Phillips, Patti; JD, Stetson University College of Law  
 Pierce, Vern; Master's Degree, University of Wisconsin  
 Pineda, Antonio; PhD, Virginia Tech  
 Powell, Walfyette; Doctorate Degree, Northcentral University  
 Premuroso, Ronald; PhD, Florida Atlantic University  
 Prince, John; Doctorate Degree, Duke University School of Law  
 Quarles, Amber; Doctorate Degree, Regent University  
 Reymore, Marie; PhD, University of Georgia  
 Reynolds, Noel; PhD, University of South Florida  
 Roark, Carolyn; Doctorate Degree, Indiana Wesleyan University  
 Roberts, Amy-Michele; Doctorate Degree, Colorado State University  
 Roberts, Tracia; MBA/MS, University of Phoenix  
 Rodgers, Joan; Master's Degree, University of South Florida  
 Rodney, Luverna; Master's Degree, University of Phoenix  
 Roesse, Kelly; DNP, University of Cincinnati  
 Rogers, Katie; MBA, University of Utah  
 Ross, Derrick; DBA, Nottingham Trent University

Salisbury, JoDee; PhD, Capella University  
 SanPietro, Frank; PhD, University of Memphis  
 Scherer, Joel; DBA, Northcentral University  
 Sexton, Nathan; Doctorate Degree, University of LaVerne  
 Shah, Rob; PhD, Northcentral University  
 Shepherd, Tracie; PhD, Northcentral University  
 Skinner, Susan; JD, Tulane University  
 Smairat, Naseem; Master's Degree, Southern New Hampshire University  
 Smith, Anastasia; PhD, University of South Florida  
 Snipes, Dawna; JD, Western Michigan University  
 Sommese, Jock; Doctorate Degree, Wilmington University  
 Strickland, Cynthia; PhD, Touro University  
 Swarthout, Nanette; MBA, Fontbonne University  
 Tennessee, Ashley; DHA, Medical University of South Carolina  
 Thompson, Christopher; PhD, University of Cambridge  
 Tiyaamiyu, Ray; Master's Degree, Alabama A&M University  
 Tucker, Barbara; Doctorate Degree, California Southern University  
 Valentin, Daisy; Doctorate Degree, Walden University  
 Venkateswar, Sankaran; PhD, University of Georgia  
 Wade, Keith; DBA, Argosy University  
 Walker, Robin; Doctorate Degree, Capella University  
 Wall-Carty, Sean; Doctorate Degree, North Central University  
 Wang, Xiaofei; PhD, University of Kentucky  
 White, Zeb; DBA, California Southern University  
 Wiebell, Julie; Doctorate Degree, Walden University  
 Wilhelm, Sarah; PhD, University of Utah  
 Williams, Rian; MPA, University of Utah  
 Williamson, Eiesha; Doctorate Degree, Walden University  
 Wolfe, Kristen; MBA, University of North Florida  
 Zonghetti, Beth; DBA, University of Phoenix

### **College of Health Professions**

Abdur-Rahman, Veronica; PhD, Texas Woman's University  
 Abee, Debra; MS, University of North Carolina Greensboro  
 Alley, Kati; Doctorate Degree, Capella University  
 Alpert, Patricia; Doctorate Degree, Loma Linda University  
 Atzen, Jennifer; Doctorate Degree, American Sentinel University  
 Austgen, Donna; MS, University of Indianapolis  
 Babela, Jane; MS, University of North Carolina Greensboro  
 Ballard, Beverly; Master's Degree, Western Governors University  
 Basinger, Michael; DNP, University of Nevada Las Vegas  
 Bechard, Jessica; PhD, East Tennessee State University  
 Bennett, William; PhD, University of Iowa  
 Benson, Johnett; DNP, Kent State University  
 Blaine, Stephanie; PhD, Capella University  
 Blumenstock, Erica; Doctorate Degree, McKendree University  
 Bockheim, Elizabeth; MS, Ball State University  
 Borsum, Pamela; MBA, Western Governors University  
 Brophy, Barbara; DNP, Chamberlain University  
 Brown, Sharon; PhD, University of Phoenix  
 Butler, Eve; Doctorate Degree, Barry University  
 Cain, Lyn; PhD, Grand Canyon University  
 Calkins, Erin; PhD, University of California Santa Barbara  
 Cante, Sherri; PhD, University of Southern Mississippi  
 Carpio, Ron; DNP, Capella University  
 Chelius, Ruthanne; Doctorate Degree, Widener University  
 Clemons, Teen; DNP, Georgia College & State University  
 Cleveland, Melissa; DNP, Rocky Mountain University of Health Professions  
 Contreras, Melinda; PhD, Keiser University  
 Croson, Elizabeth; PhD, University of Virginia

Cumberbatch-Sullivan, Karen; Doctorate Degree, Capella University  
 Cureton, Sara; Doctorate Degree, Fielding Graduate University  
 Curtis, Natasha; DNP, Grand Canyon University  
 Czuba, Bethany; Master's Degree, University of Southern California  
 Dahdal, Kimberly; Doctorate Degree, American Sentinel University  
 Dampeer-Moore, Jodi; EdD, Delaware State University  
 Dantzier, Barbara; PhD, Trident University  
 Dawson, Stefie; Master's Degree, Kaplan University  
 Derryberry, JohnMark; MD, University of Illinois at Chicago  
 Diaz, Lorna; DNP, Western University of Health Sciences  
 Dillard, Brenda; Master's Degree, Western Governors University  
 Dillard, Deborah; PhD, University of Phoenix  
 Djousse, Sylvie; DNP, MGH Institute Of Health Professions  
 Dorin, Michelle; PhD, University of Missouri St. Louis  
 Edge, Denise; DNP, Samford University  
 Elmer, Justine; MS, Kaplan University  
 Enriquez-Wilson, Jewel; Doctorate Degree, Chamberlain University  
 Falsetta, Joanne; Doctorate Degree, Touro University  
 Feather, Caitlin; PhD, University of Pittsburgh  
 Feather, Rebecca; PhD, Indiana University-Purdue University Indianapolis  
 Ferrygood, Leslie; Doctorate Degree, Capella University  
 Fischer, James; DNP, University of Pittsburgh  
 Flanagan, Soneaqua; Bachelor Degree, University of Alabama at Birmingham  
 Forbes, Amy; PhD, South Dakota State University  
 Fuhrmann, Leah; Master's Degree, Texas Woman's University  
 Gallagher, Ruth; Doctorate Degree, University of South Florida  
 Gardner, Diana; MBA, Western Governors University  
 Garrett, Ashlee; Master's Degree, Western Governors University  
 Garrett, Janette; MBA, University of Phoenix  
 Gatzemeier, Kallie; DNP, Graceland University  
 Gaut, Marcus; DNP, Samford University  
 Golden, Christina; MS, University of Phoenix  
 Gomez Padilla, Gaston; Master's Degree, University of Texas at Brownsville  
 Gordy, Elizabeth; DNP, Chamberlain University  
 Gottesfeld, Ilene; EdD, Nova Southeastern University  
 Gregory, Lindsay; Master's Degree, Eastern Kentucky University  
 Gunn, Linda; PhD, Union Institute and University  
 Gwyn, Elizabeth; DNP, Gardner-Webb University  
 Hadsell, Christine; PhD, University of Kansas  
 Hall, Molly; Doctorate Degree, American Sentinel University  
 Hamilton, Cam; PhD, Auburn University  
 Hanna, Henrietta; PhD, Barry University  
 Hannon, Wendy; DNP, Chatham University  
 Harris, Anita; DNP, Chamberlain College of Nursing  
 Hawkinson, Julie; PhD, South Dakota State University  
 Helmstedter, Ann Marie; Doctorate Degree, American Sentinel University  
 Hernandez, Ali; PhD, Benedictine University  
 Hicks, Katherine; PhD, Oklahoma City University  
 Higginbotham, Erika; Doctorate Degree, Graceland University-Lamoni  
 Hill, Dina; Master's Degree, University of New Mexico  
 Hodson, Kristy; EdD, University of Southern California  
 Hoggle, Jasmine; DNP, University of Alabama  
 Holloway, Kathy; DNP, Duquesne University  
 Hoskins, Melody; MBA, Texas Tech University  
 Johnson, Yaz; Doctorate Degree, Oklahoma State University  
 Johnson-Anderson, Heidi; EdD, University of South Dakota  
 Jones, Tamara; Doctorate Degree, Capella University  
 Judge, Deborah; DNP, University of Southern Indiana  
 Kabara, Edward; PhD, Michigan State University  
 Kangas, Sandra; PhD, Georgia State University

Kell, Tracey; MA, University of Alabama  
 Killingsworth, Ashley; Master's Degree, Western Governors University  
 Kirkendol, Aimee; Doctorate Degree, University of Alabama at Birmingham  
 Kohring, Laurie; DNP, University of Colorado  
 Kosycarz, Kara; MS, University of South Alabama  
 Kowalski, Christine; Doctorate Degree, National Louis University  
 Lacambra, Veronica; Doctorate Degree, Jacksonville University  
 LaMar, Ruth; DNP, Indiana University  
 Langer Atkinson, Heidi; PhD, SUNY at Albany  
 Lashlee, Marilyn; Doctorate Degree, Northeastern University  
 Latham, Amanda; MSN, Capella University  
 Lemmerbrock, Kristin; Doctorate Degree, Samford University  
 Light, Kenneth; PhD, Stanford University  
 Linville, Lisa; DNS, Louisiana State University  
 Lockridge, Marlene; Doctorate Degree, Oklahoma City University  
 Logan, Junius; MD, Ohio State University  
 Loveitt, Regina; Master's Degree, University of Phoenix  
 Lujan, Josefina; Doctorate Degree, University of Texas Health Science Center  
 Lull, Rachel; DNP, American Sentinel University  
 Manigold, Roschelle; DNP, Marquette University  
 Manzanza, Nelson; PhD, Newcastle University  
 Marshall, Janet; PhD, Rush University  
 Martin, Kelly; PhD, Capella University  
 Martin, Vicki; PhD, Virginia Tech  
 Masterson, Debra; EdD, Liberty University  
 Mathiason, Lizzie; Master's Degree, University of Mary  
 Mauldin, Tabatha; Doctorate Degree, University of Phoenix  
 Mbonu, Juliet; Doctorate Degree, Carlow University  
 McAlister, Kim; Master's Degree, Samford University  
 McCombs, Darlene; DNP, University of Alabama  
 McCoy, Veronica; Master's Degree, University of Central Florida  
 McNally, Leah; MA, University of Minnesota  
 Meir, Christina; Master's Degree, University of Phoenix  
 Miller, Michele; EdD, Valdosta State University  
 Miller-Monfils, Janet; PhD, Wayne State University  
 Montoya, Karen; DNP, University of Cincinnati  
 Morrison, Victoria; PhD, University of Massachusetts Boston  
 Mullins, Christopher; PhD, University of Louisville  
 Murphy, Kyle; PhD, Rutgers University  
 Nielsen, Karen; DNP, University of New Mexico  
 Northrup, Dolores; PhD, William Carey University  
 O'Malley, Maureen; PhD, University of Arizona  
 Peacock, Kyle; DM, University of Phoenix  
 Perez, Susan; DNP, Chatham University  
 Peters, Tamara; MS, Walden University  
 Pritchard, Paula; PhD, University of Florida  
 Querales, Carolyn; DNP, University of Minnesota  
 Rawson, Robert; PhD, University of Texas Southwestern Medical Center  
 Redden, Cameron; MA, Baldwin-Wallace College  
 Reno, Anita; PhD, University of Texas Medical Branch  
 Reyes, Terri; DNP, University of St. Francis  
 Rogers, Carmelle; PhD, Kansas State University  
 Rogers, Jeanette; DNP, Capella University  
 Royal, Polly; DNP, Purdue University  
 Russo, Linda; EdD, University of Hartford  
 Sauls, Kevin; Doctorate Degree, University of Alabama  
 Scarpena, Jennifer; DHEd, A.T. Still University  
 Schmitt, Kellie; MS, Drexel University  
 Schreffler, Karen; DNP, Carlow University  
 Scott, Angela; MSN, Walden University

Scutro, Rebecca; Master's Degree, St. Joseph's University  
Selover, Natalie; Doctorate Degree, Grand Canyon University  
Shaw Hoopingarner, Diana; DNP, Regis University  
Simmons, Laura; PhD, University of Memphis  
Sizemore, Mary; MS, Indiana Wesleyan University  
Starr, Matthew; Doctorate Degree, University of Illinois Urbana-Champaign  
Stasher-Booker, Bridgette; Doctorate Degree, Jackson State University  
Steele, Kamala; DNP, American Sentinel University  
Steighner-Ondik, Tammy; PhD, Capella University  
Stewart, Michelle; DHA, University of Phoenix  
Stubblefield, Angelique; PhD, Case Western Reserve University  
Sunderhaus, Patricia; DNP, Chamberlain College of Nursing  
Tao, Ran; Doctorate Degree, University of Colorado  
Tarantino, Philip; PhD, LaSalle University  
Tice-Harouff, Cami Jo; DNP, Samford University  
Tiwari, Priti; Doctorate Degree, Rutgers University  
Torres y Torres, Janelle; PhD, University of Iowa  
Travis, Gwen; Master's Degree, Gonzaga University  
Trenholm, Robert; DNP, University of North Florida  
Tucker, L Nicole; Master's Degree, Western Governors University  
Urquhart, Katherine; PhD, Capella University  
Von Holden, Sophia; PhD, University of Houston  
Wade-Murdock, Demecia; Doctorate Degree, Capella University  
Walker, Nikki; Master's Degree, Queens University of Charlotte  
Waltrip, Kimberly; Doctorate Degree, University of Missouri - St Louis  
Washington, Patrick; DHEd, A.T. Still University  
Welch, Colleen; MS, University of Kentucky  
White, Kayla; DNP, Samford University  
Widener, Jeanne; PhD, Ohio State University  
Williams, Deborah; MS, University of Alabama at Birmingham  
Williams, Jeffery; Doctorate Degree, University of Illinois  
Williams, Latiena; DNP, South University  
Williams-Fultz, Rosie; PhD, William Carey University  
Withers, Gail; DNP, University of Kansas  
Wolfe, Megan; Doctorate Degree, George Washington University  
Woods, Tanna; Doctorate Degree, Idaho State University  
Workman, JoEllen; DBA, Wilmington University  
Wyszynski, Connie; DNP, Rush University  
Yatherajam, Gayatri; PhD, Colorado State University  
Yoose, Cora; PhD, Florida International University  
Zimmerli, Mandy; PhD, Iowa State University

### **College of Information Technology**

Abdulatif, Amr; PhD, University of Louisiana at Lafayette  
Alani, Mayada; Master's Degree, Indiana University  
Alberici, Mary; PhD, University of Missouri  
Al-Husaam, Abdul; PhD, Capella University  
Allen, Candice; MS, Capella University  
Allison, Zec; Master's Degree, ECPI University  
Alston, Jermaine; Master's's Degree, East Carolina University  
Anderson, Erik; Master's Degree, University of Missouri  
Antonucci, Amy; PhD, Nova Southeastern University  
Arzu, Luis; Master's Degree, Western Governors University  
Ashe, James; PhD, University of Tennessee  
Ashkin, PatJohn; Master's Degree, Florida State University  
Bailey, Christine; Master's Degree, Webster University  
Barker, Dustin; Master's Degree, Western Governors University  
Barnhart, Joseph; PhD, Texas A&M University  
Becirovic, Esmir; Master's Degree, University of the Cumberlands  
Black, Amy; Master's Degree, Western Governors University

Blanson, Constance; PhD, Capella University  
 Bonnewitz, Frank; MS, Purdue University  
 Bowman, Daycia; MS, Pace University  
 Bradbury, Nathaniel; Master's Degree, University of Fairfax  
 Bradley, Barrie; Master's Degree, Arizona State University  
 Brewer, Harlan; PhD, Utah State University  
 Brown, Adrian; Master's Degree, Webster University  
 Burwick, Wanda; Master's Degree, Webster University  
 Cameron, David; MS, Naval Postgraduate School  
 Campbell, Wendy; DBA, Northcentral University  
 Carter, Betty; ABD, Capella University  
 Cary, Adam; Master's Degree, Western Governors University  
 Church, Gray; Master's Degree, University of St. Thomas  
 Cook, Henry; MS, Clark Atlanta University  
 Coon, Charlene; Doctorate Degree, Colorado Technical University  
 Cortez-Littlefield, Nathan; Master's Degree, Cal State University Monterey Bay  
 Crawford, Demetria; Doctorate Degree, Capella University  
 Cribb, Mark; Master's Degree, University of Wisconsin Milwaukee  
 Curtis, Bob; Master's Degree, Western Governors University  
 Dall, Gary; Master's Degree, University of Phoenix  
 Davis, Lori; Master's Degree, Western Governors University  
 Dean, William; PhD, Capella University  
 Denchy, Mark; MBA, Alvernia University  
 DeSot, Julie; DM, University of Maryland University College  
 Dill, Shawn; MS, Western Governors University  
 Dove, Will; Master's Degree, Western Governors University  
 D'Souza, Jeevan; PhD, Nova Southeastern University  
 DuPree, Yolanda; PhD, Nova Southeastern University  
 Eich, Michelle; Master's Degree, Montclair State University  
 Elias, Nilsa; PhD, Capella University  
 Elizes, Romerl; Doctorate Degree, Pace University  
 Elleh, Festus; PhD, Capella University  
 Elliott, Nicole; Master's Degree, Syracuse University  
 Everton, Michael; Master's Degree, Grand Canyon University  
 Farmer, Aaron; MS, Western Governors University  
 Farmer, Jaynee; MA, University of Arkansas Little Rock  
 Farr, Lori; PhD, Capella University  
 Ferdinand, Jeff; MS, Trident University  
 Gaffney, Tony; MBA, American Intercontinental University  
 Gagner, David; Doctorate Degree, Walden University  
 Galliano, John; Doctorate Degree, University of Fairfax  
 Geiser, Jerry; MBA, Western Governors University  
 Gildersleeve, William; MS, Western Governors University  
 Goodell, Kristopher; Master's Degree, Western Governors University  
 Haastrup, Janita; PhD, Capella University  
 Hallock, Melissa; Master's Degree, Phoenix University  
 Hamilton, Howard; Doctorate Degree, Nova Southeastern University  
 Hartz, Daniel; Master's Degree, Champlain College  
 Haynes, Royel; Master's Degree, Florida Atlantic University  
 Heiner, Jenny; MS, Capitol College  
 House, Terry; Doctorate Degree, Nova Southeastern University  
 Howell, Duane; Doctorate Degree, Capella University  
 Hubbard, Benita; MS, Capella University  
 Hurst, Melanie; Master's Degree, Bellevue University  
 Ibarra, Ernesto; Master's Degree, Colorado Technical University  
 Jackson, Tyree; Master's Degree, Western Governors University  
 Jakes, Jackie; Doctorate Degree, California InterContinental University  
 Jensen, Bryan; Doctorate Degree, Northcentral University  
 Johnson, Bruce; MS, University of Washington  
 Jordan, Michael; MBA, Webster University

Kamara, Kesselly; Doctorate Degree, Colorado Technical University  
 Kandalam, Sunitha; Master's Degree, Indian Institute of Technology Bombay  
 Kar, Amit; Doctorate Degree, University of Texas  
 Kendricks, Justin; MBA, Davenport University  
 Kercher, Paul; MS, University of Missouri  
 Kettani, Mouna; MS, Jackson State University  
 Kinkead, Mark; Master's Degree, Monmouth University  
 Kovacic, Rick; Master's Degree, California State University - East Bay  
 Kozakoff, Steve; ABD, University of South Florida  
 Kumar, Robert; Master's Degree, CSU Fullerton  
 Levy, Cornel; PhD, Capella University  
 Ligocki, Judy; Master's Degree, Carroll College  
 Linnert, Erin; Master's Degree, University of Central Florida  
 Lusby, Jack; Master's Degree, Florida Institute of Technology  
 Marsh, Andrae; Doctorate Degree, University of Southern California  
 Martinez, Juan; Doctorate Degree, Florida International University  
 Mccoy, Aurroyo; Master's Degree, Western Governors University  
 McFarlane, Michele; Master's Degree, DeVry University  
 McKinney, Michael; Master's Degree, University of Central Florida  
 McLaughlin, Mike; Master's Degree, Western Governors University  
 McLeary, Gary; Master's Degree, American Intercontinental University  
 McPheters, Sean; MBA, University of Phoenix  
 Mendell, Ronald; MS, Capitol College  
 Middleton, Keiona; Doctorate Degree, Robert Morris University  
 Milham, Thomas; Master's Degree, DeVry University  
 Minnick, Jessica; Master's Degree, University of South Florida  
 Moore, Arthur; Master's Degree, Western Governors University  
 Moore, Mike; Doctorate Degree, University of Alabama  
 Moore, Ralph; Master's Degree, DeVry University  
 Mower, Jesse; MBA, Western Governors University  
 Muhammad, Basil; EdD, University of Phoenix  
 Paddock, Charles; PhD, University of Houston  
 Pate, Lewis; Master's Degree, Florida International University  
 Patton, Belinda; Doctorate Degree, Auburn University  
 Phair, Derek; Doctorate Degree, Colorado Technical University  
 Phillips, Patrick; Doctorate Degree, University of the Cumberland  
 Pinaire, Kenneth; DSc, Dakota State University  
 Proffitt, Curtis; Doctorate Degree, Capella University  
 Provost, Lauren; PhD, University of New Hampshire  
 Rabor, Leticia; Master's Degree, University of Advancing Technology  
 Randolph, Ray; Master's Degree, Central Michigan University  
 Rubey, Sidney; Doctorate Degree, Colorado Technical University  
 Rucker, Ryan; Doctorate Degree, Valdosta State University  
 Ruiz, Juan; Master's Degree, Texas Southern University  
 Rukieh, Kusay; Doctorate Degree, Florida Institute of Technology  
 Rutledge, Randy; PhD, Nova Southeastern University  
 Sammons, David; Master's Degree, Westminster College  
 Schaefer, Brett; Doctorate Degree, Northcentral University  
 Schenk, Maria; Master's Degree, City University of Seattle  
 Sewell, William; PhD, University of Houston  
 Sher-DeCusatis, Carolyn; DPS, Pace University  
 Short, Joel; MBA, Southwestern College  
 Sinanovic, John; PhD, Northcentral University  
 Sistelos, Antonio; PhD, Indiana State University  
 Smith, Daniel; Doctorate Degree, Arizona State University  
 Spiller, Jerry; MS, University of North Carolina at Chapel Hill  
 Stauber, Randy; ABD, Capella University  
 Straw, Eric; Doctorate Degree, Nova Southeastern University  
 Sundararajan, Radha; Master's Degree, University of Arizona  
 Taylor, Michelle; Master's Degree, Purdue University Northwest

Tepe, Cemal; Doctorate Degree, Yildiz Technical University  
Thakkar, Chintan; Master's Degree, Southern Methodist University  
Thomas, Roy; Master's Degree, Western Governors University  
Tomeo, Mel; PhD, Nova Southeastern University  
Torres, Albert; Master's Degree, Western Governors University  
Wabara, Malcolm; MS, Pace University  
Walker, Terry; Doctorate Degree, University of Alabama  
Ward, Eugene; Doctorate Degree, University of Phoenix  
Watt, Michelle; DBA, Walden University  
Williams, Michelle; Master's Degree, Stevenson University  
Wilson, Myron; MS, Western Governors University  
Youngblood, Christian; PhD, University of the Cumberland

## **Teachers College**

Aafif, Amal; PhD, Drexel University  
Allen, Elizabeth; EdD, Argosy University  
Allen-Pleasant, Christy; EdD, Grambling State University  
Angelo, Helena; EdD, Wilmington University  
Angeloni, Lynette; PhD, Capella University  
Aranda, Christina; MA, University of Utah  
Artis, Carol; EdD, Gardner Webb University  
Aufderhaar, Carolyn; EdD, University of Cincinnati  
Ballard, Patricia; EdD, Argosy University  
Barraza-Mancilla, Ruth; EdD, William Howard Taft University  
Barrett, Amy; Doctorate Degree, Oakland City University  
Baxter, Marissa; PhD, Southern Illinois University  
Bell-Davis, TJ; EdD, University of Washington  
Betskowski, Ashley; Doctorate Degree, Northcentral University  
Betts, Anastasia; PhD, Regent University  
Blanks, Dorothy; PhD, University of Tennessee  
Branan, Daniel; PhD, University of Denver  
Brock, Jennifer; Doctorate Degree, Capella University  
Brogan, Lynnette; EdD, Teachers College Columbia University  
Brooks, Marlaina; EdD, Texas A&M University Commerce  
Bunting, Tia; Doctorate Degree, University of Delaware  
Carey, Kimberly; PhD, Old Dominion University  
Celik, Rebecca; PhD, University of California - Irvine  
Chapman, Teressa; Doctorate Degree, Argosy University  
Charles, Mario; Doctorate Degree, University of Missouri  
Chisholm, Cynthia; EdD, Liberty University  
Cipolla, Christopher; PhD, Northwest Nazarene University  
Clark, Shannon; Doctorate Degree, Southwest Baptist University  
Cohen, Kimberly; PhD, University of Iowa  
Comas, Jacqueline; PhD, Indiana University  
Cooper, Jennifer; Doctorate Degree, Nova Southeastern University  
Crave, Jerad; Doctorate Degree, Western Carolina University  
Crawford, Simon; Doctorate Degree, Arizona State University  
Czaplewski, John; PhD, University of Minnesota  
Davenport, Rebecca; MA, Western Governors University  
Davis, Kimberly; EdD, Concordia University-Portland  
Dean-Anthony, Chasity; PhD, Capella University  
Deckelmann, Miranda; EdD, Northcentral University  
Dees, Nancy; PhD, Regent University  
Devenish-Williams, Samantha; MS, Nova Southeastern University  
Doiel, Patrick; EdD, NorthCentral University  
Douglas, Deanna; PhD, Wichita State University  
Dukes, Debra; EdD, University of Georgia  
Durakiewicz, Anna; MS, Maria Curie Sklodowska University  
Feng, Suiping; MA, City University of New York  
Field, Kathleen; PhD, Rutgers University



Flavin, Kathryn; PhD, University of Illinois, Urbana-Champaign  
 Fleming, JeLena; Doctorate Degree, Lindenwood University  
 Francis, David; MA, Western Governors University  
 Francis, Steve; Doctorate Degree, Capella University  
 Gaviola, Kayle; PhD, Walden University  
 Geiselhofer, Melissa; EdD, Walden University  
 Giddens, Evelyn; PhD, Capella University  
 Gillman, Brenna; PhD, University of Utah  
 Glass, Lindsey; PhD, Cleveland State University  
 Gorgin, Ella; PhD, Michigan Technological University  
 Gray, Jennifer; Doctorate Degree, Samford University  
 Green, Tiffany; Doctorate Degree, Trevecca Nazarene University  
 Griffin, Robin; Doctorate Degree, Argosy University  
 Grover, Susan; Doctorate Degree, University of Idaho  
 Gully, Juliana; Doctorate Degree, University of Central Florida  
 Hairston, Tia; Doctorate Degree, Liberty University  
 Hall, Tammy; EdD, Capella University  
 Halverson, Colleen; PhD, University of Wisconsin Milwaukee  
 Harbin, Lesley; EdD, Nova Southeastern University  
 Harris, J. Ken; Doctorate Degree, Capella University  
 Harris, Lorena; EdD, North Central University  
 Hayes, Heather; EdD, University of Phoenix  
 Hedman, Shawn; PhD, University of Illinois Chicago  
 Hempen, Brandy; Doctorate Degree, William Howard Taft Univeristy  
 Hiebel, Adam; EdD, Ohio University  
 Homs, Dana; PhD, University of Colorado  
 Hudon-Miller, Sarah; PhD, Purdue University  
 Hughes, Amy; EdD, University of Montana  
 Janitzki, Dean; MA, University of Toledo  
 Johnson, Sherri; PhD, Capella University  
 Jones, Keri; Doctorate Degree, University of Missouri  
 Katsafanas, Jodi; Doctorate Degree, University of Pittsburgh  
 Kelley, Matthew; PhD, University of Nevada Las Vegas  
 Kelly, Gretchen; EdD, Walden University  
 Kruger, Mary; EdD, Northcentral University  
 Kurtz, Caren; Doctorate Degree, Frostburg State University  
 Lancaster, Melissa; Doctorate Degree, University of Missouri  
 Lanning, Tamra; EdD, Liberty University  
 Lavan, Celestine; Doctorate Degree, Liberty University  
 Ledbetter, Jess; Doctorate Degree, Arizona State University  
 Levy, Chris; Doctorate Degree, Concordia University  
 Lombardo-Graves, Mary; Doctorate Degree, Northern Illinois University  
 Longoria, Ashley; EdD, Grand Canyon University  
 Ludwig, Martha; Doctorate Degree, University of Buffalo  
 Luster, Sandricia; EdS, Argosy University  
 Machado, Cindy; EdD, Oklahoma State University  
 Machuca, Alicia; PhD, University of Texas at Arlington  
 Malone, Randi; Doctorate Degree, Capella University  
 Marquez, Catalina; Doctorate Degree, Northcentral University  
 McCann, Brian; PhD, Mississippi State University  
 McCarver, Patricia; PhD, California Institute of Integral Studies  
 McConnell, Tamora; Doctorate Degree, William Carey University  
 McElhaney, Christine; EdD, Liberty University  
 McGrath Hovland, Michelle; EdD, University of South Dakota  
 McMillen, Shelley; Doctorate Degree, Northcentral University  
 Meade, David; Doctorate Degree, Carson-Newman University  
 Meadows, Julie; EdD, Walden University  
 Melton, Lili; PhD, Capella University  
 Mendes, John; EdD, Argosy University  
 Metlay, Suzanne; PhD, University of Pittsburgh

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