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Negatively Skewed
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2026–2027 ACADEMIC CATALOG

UNDERGRADUATE STUDIES



Holy Family
UNIVERSITY

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Holy Family University

About the University

Important note about this catalog

While this catalog was prepared based on the most complete information available at the time of publication, all information is subject to change without notice or obligation.

Holy Family University reserves the right to change without notice any statement in this publication concerning, but not limited to, rules, policies, tuition, fees, faculty, offerings, program requirements, curricula, and courses. This document is not a contract or an offer of a contract.

Philadelphia Campus

9801 Frankford Avenue
Philadelphia, PA 19114-2009

Newtown East Campus, Bucks County

One Campus Drive
Newtown, PA 18940-1761

Newtown West Campus, Bucks County

33 University Drive
Newtown, PA 18940

General Telephone and Fax Numbers

	Telephone	Fax
Philadelphia Campus	215-637-7700	215-637-3826
Newtown, Bucks County	267-341-4000	215-504-2050
Financial Aid	267-341-3233	215-599-1694
Library	267-341-3315	215-632-8067

School Emergency Notifications

Visit the Campus Safety & Security webpage for information concerning school emergency notifications.

Mission & Goals

The Mission of the University

Holy Family University, a ministry of the Sisters of the Holy Family of Nazareth, offers education in the liberal arts and professions through graduate, undergraduate, and non-degree programs. As a Catholic University, Holy Family seeks direction and inspiration from the life and teaching of Jesus Christ, affirms the values of the Judeo-Christian tradition, and witnesses to the dignity of each person and the oneness of the human family. Holy Family University educates students to assume life-long responsibilities toward God, society, and self.

The following core values inform the University as it seeks to carry out its Mission:

Family. Holy Family University welcomes and cares for students, faculty, and staff as members of a diverse but interconnected family. A community united by a common Mission, the University promotes an atmosphere of mutual concern and attention to the spiritual, intellectual, social, emotional, and physical needs of all those whom it serves.

Respect. Holy Family University affirms the dignity of the human person through openness to multiple points of view, personalized attention, and collaborative dialogue in the learning process and in the interaction among members of the University community. The University seeks to instill appreciation of and respect for differences so that its graduates can function successfully in multicultural contexts.

Integrity. Intent upon forming persons of integrity who recognize the importance of life-long learning, Holy Family University advocates free and conscientious pursuit of truth and the responsible use of knowledge. It bases education upon a foundation in the liberal arts that highlights the humanities and the natural and social sciences. In keeping with the teachings of the Catholic Church, concern for moral values and social justice guides the University in designing programs and activities.

Service and Responsibility. Holy Family University incorporates its motto, "*Teneor Votis*" ("I am bound by my responsibilities"), into curricular, co-curricular, and extracurricular programs. Reflecting this motto, educational experiences at the University apply theory to practice and course content to serving human needs. The University educates individuals to become competent professionals and responsible citizens.

Learning. Holy Family University seeks to instill in its students a passion for truth and a commitment to seeking wisdom. It promotes values-based education, creative scholarship, informed and imaginative use of research and technology, and practical learning opportunities such as co-operative education and internship programs. The University seeks to strengthen ethical, logical, and creative thinking; to develop effective communication skills; to nurture an aesthetic sense; and to deepen global, social, and historical awareness.

Vision. Holy Family University envisions learning as a dynamic and fruitful exchange between traditional sources of wisdom and contemporary developments in knowledge. Throughout the teaching and learning process, the University seeks to embody Christian philosophical and theological perspectives. It offers an education grounded in a Judeo-Christian worldview that serves as a foundation upon which to address contemporary problems and to build a vision for the future.

Approved by the Holy Family University Board of Trustees, November 2000.

Goals

The graduate programs affirm the Mission of the University. They further support the Mission through their specific goals:

- To foster the development of professionals, scholars, and lifelong learners who can translate advanced study into effective problem-solving skills
- To facilitate the development of critical thinkers who can use their personal, professional, spiritual, and academic experiences in the analysis of current issues
- To produce informed users of research capable of making significant contributions in their chosen fields
- To support and encourage scholarship, intellectual inquiry, and professional responsibility that nurtures the growth and development of others.

The University offers graduate degrees and certification programs that prepare professionals in education, criminal justice, counseling psychology, nursing, accountancy and business administration in an intellectually challenging milieu.

Mission and Governance

In the continuum of its Mission, the University offers programs of advanced study in several areas. The programs enable students to acquire depth in selected disciplines, reach advanced competency, and explore connectivity between specialized studies and human endeavors.

The Academic Council oversees the review, evaluation, and approval of policies and procedures and programmatic changes as they relate to graduate education in general. The coordination of graduate curricula, the review and evaluation of pertinent academic regulations, and the exploration and development of graduate education opportunities is the responsibility of the Vice President for Academic Affairs in collaboration with the respective Deans and Directors.

Responsibility for student admission, advising and welfare, graduate curricula, and the day-to-day operation of the respective graduate programs is posited within each of the academic schools or divisions. The School Deans, in collaboration with relevant academic administrators and related services personnel, assume primary responsibility for these functions in the respective graduate programs. Committees within each of the academic units include administrators and representative faculty and students and serve in an advisory capacity to the School Deans in the execution of their responsibilities.

Academic Calendar – 2026/2027

Consult the *Registrar's Office* website for the current academic calendar (www.holyfamily.edu/registrar).

Accreditation and Membership

Holy Family University is accredited by:

The Middle States Commission on Higher Education

1007 North Orange Street 4th Floor, MB #166 Wilmington, DE 19801

The associate degree in radiologic science is accredited by:

The Joint Review Committee of Education in Radiologic Technology

20 N. Wacker Drive, Suite 2850, Chicago, IL 60606-3182

312-704-5300

www.jrcert.org

The Doctor of Psychology in Counseling Psychology degree is accredited by:

Office of Program Consultation and Accreditation

American Psychological Association

750 1st Street, NE, Washington, DC, 20002

202-336-5979

apaaccred@apa.org

www.apa.org/ed/accreditation

Several traditional undergraduate programs (Accounting, Business Administration, Business Analytics, Computer Information Systems, Marketing, Sports Marketing-Management) offered by the School of Business and Technology are accredited by:

The Accreditation Council for Business Schools and Programs

U.S. World Headquarters, 8101 College Blvd., #100, Overland Park, KS 66210

This accreditation does not apply to the accelerated undergraduate and graduate business degrees offered through the School of Graduate and Technology.

Teacher certification programs at the graduate and undergraduate levels in the School of Education are approved by:

The Commonwealth of Pennsylvania

Department of Education

Forum Building, South Drive, Harrisburg, PA 17120 (717-783-6788)

The baccalaureate degree in nursing, master's degree in nursing, and Doctor of Nursing Practice program are accredited by:

The Commission on Collegiate Nursing Education

655 K. Street NW, Suite 750, Washington DC 20001

202-887-6791

Holy Family Pre-licensure and Family Nurse Practitioner (FNP) nursing programs are approved by:

The Pennsylvania State Board of Nursing

2525 N 7th Street, Harrisburg, PA, 17110

Holy Family is a member of:

The American Association of Colleges of Nursing (AACN)

655 K. Street NW, Suite 750, Washington DC 20001

The Veterans Administration

810 Vermont Avenue, NW, Washington, DC 20420

History, Facilities, and Services

Past and Present of Holy Family University

Holy Family University is a regionally accredited Catholic, private, co-educational university.

The University is under the patronage of the Holy Family of Nazareth, the model for all families. Through various activities and the curriculum, concerted efforts are made to deepen the students' awareness of the Holy Family and the modern family as an important social unit.

Founding of Holy Family College in 1954 by the Sisters of the Holy Family of Nazareth marked the culmination of an evolutionary cycle begun in 1934 with the opening of the Holy Family Teacher Training School. During the early years, the college functioned as an affiliate of the Catholic University of America. Full accreditation by the Middle States Association of Colleges and Schools was extended to Holy Family in 1961, seven years after its founding. This regional accreditation has been renewed in 1971, 1981, 1991, 2001, and 2011. The Pennsylvania Department of Education approved the college for university status in 2002.

The graduate programs in Education were approved by the Pennsylvania Department of Education in March 1990, followed by the Nursing and Counseling Psychology programs in 1997, the Human Resources Management and

Information Systems Management programs in 2000, and the Accelerated Business Administration program in 2003. The graduate program in TESOL and Literacy was approved in 2008. The doctoral program in Educational Leadership and Professional Studies was approved in 2010.

Today, the University provides liberal arts and professional programs for more than 1,900 undergraduate students. The graduate programs in accountancy, business administration, education, counseling psychology and nursing serve approximately 600 professional and pre-professional men and women.

Since it was chartered on February 11, 1954, Holy Family has been a dynamic institution responding today in order to provide for tomorrow's needs. Despite its growth in numbers of students, its geographic expansion from Philadelphia into surrounding counties, its provision of residence opportunities, and its adoption of alternative pedagogical delivery strategies, the University's purpose remains essentially unchanged—to offer a high-quality, affordable, personalized, and values-centered education in the firm tradition of Catholic higher education. In living Holy Family's motto, "*Teneor Votis*", the University community recognizes its responsibility to those whom it serves and realizes that its Mission is best extended by its students who are likewise deeply conscious of their ongoing responsibilities to themselves, others, their country, and their God in ways that transcend time and place.

University & Campus Services

The services listed below are designed to support academic success and personal growth. Unless otherwise noted, these resources are available to all qualified students across all university campuses.

Office of Accessibility Services (OAS)

- **Campus Location:** Philadelphia Campus (Center for Teaching & Learning, Library, 1st Floor)
- **Contact Information:** accessibilityservices@holysfamily.edu | 267-341-3388
- **Services Provided:** Facilitates reasonable accommodations for students with documented disabilities (including physical, learning, psychological, ADHD, etc.) in accordance with the ADA and Section 504 of the Rehabilitation Act. Students should contact the office, ideally before the start of each semester, to submit necessary provider verification documentation.

Campus Store (Bookstore)

- **Campus Location:** Philadelphia Campus (Campus Center, 1st Floor), Newtown (online services)
- **Contact Information:** campusstore@holysfamily.edu | 267-341-3588 | [Slingshot Portal](#)
- **Services Provided:** Features an expanded selection of branded apparel, on-the-go snacks, course materials, and educational supplies. Partnered with Slingshot to provide comprehensive course material services.

Campus Ministry

- **Campus Location:** Philadelphia Campus (Campus Center, Room 213C)
- **Contact Information:** 267-341-3261 (Available during regular office hours or by appointment)
- **Services Provided:** Provides Liturgies, prayer services, spiritual direction, scripture readings, retreats, and social justice activities. Involvement is open to all students.
- **Worship, Meeting & Reflection Spaces:**
 - Philadelphia Campus
 - Blessed Sacrament Chapel, Northeast Philadelphia Campus (Education and Technology Center, Room 319)
 - Interfaith Reflection Room (Education and Technology Center, Room 204)
 - Blessed Mary of Jesus the Good Shepherd Chapel, Delaney Hall, Philadelphia Campus
 - Newtown East Campus
 - Blessed Martyred Sisters of Nowogródek Chapel, Room 129
 - Newtown West Campus
 - Interfaith Prayer Room

Career Development Services

- **Campus Location:** Philadelphia Campus (Campus Center, 2nd Floor), Newtown (in-person or virtual meetings by appointment).
- **Contact Information:** careerservices@holysfamily.edu
- **Office hours** are 8:00 am to 4:00 pm, Monday through Friday.
- **Services Provided:** Offers personalized career coaching and readiness programming for students and alumni, including résumé and cover letter reviews, interview coaching, graduate school prep, and access to

job listings. Houses Experiential Learning and Internship services to assist those seeking professional opportunities within their field of study.

Counseling Services

- **Campus Location:** Philadelphia Campus (Delaney Hall, Center for Wellness & Spirituality), Newtown (by appointment only-virtual and in-person).
- **Contact Information:** counselingcenter@holysfamily.edu | *After-Hours Emergencies:* Call Public Safety at 267-341-3333
- **Hours:** Monday through Friday, 9:00 AM to 8:00 PM, Weekend appointments available by request
- **Services Provided:** Provides confidential individual and small group counseling, relaxation training, stress management, alcohol/drug assessments, crisis intervention, support groups, and local provider referrals. Services are completely free with no out-of-pocket expenses.

Dean of Students Office

- **Campus Location:** Philadelphia Campus (Campus Center, 2nd Floor)
- **Contact Information:** dos@holysfamily.edu
- **Services Provided:** Supports holistic student wellness, personal accountability (Office for Student Conduct), and equitable classroom access. Students navigating difficult circumstances can request access to basic needs, textbook support, transportation assistance, and laptop acquisition. Facilitates the CARE Team to review reports of concerning student behavior and coordinates university Title IX compliance efforts.

Dining Services

- **Campus Location(s):** Philadelphia Campus
- **Venues & Access:**
 - **Tiger Café (Campus Center):** Offers complete hot meals, a salad bar, cold cut sandwiches, soups, snacks, beverages, and desserts. Brunch is available on weekends.
 - **Saxby's (ETC Building):** Offers light grab-and-go meals, snacks, and beverages.
- **Operating Hours:** Please check the official website under Dining Services.

First Generation Hub

- **Campus Location:** Philadelphia Campus (University Library, 1st Floor)
- **Services Provided:** A dedicated support and connection space tailored for First-Generation college students. Provides educational and technological resources, peer study and engagement areas, community building, and academic/career mentorship.

Health Services

- **Campus Location:** Philadelphia Campus (Stevenson Lane Residence Hall)
- **Contact Information:** healthservices@holysfamily.edu (Appointments are required)
- **Services Provided:** Provides first aid, health screenings, counseling, local referrals, and health insurance information. Additional details can be found on the Wellness website.

Help Desk / IT Services

- **Campus Location:** Philadelphia Campus (The Library, Ground Floor), Newtown West (room 122E), Newtown East (Learning Resource Center)
- **Contact Information:** helpdesk@holysfamily.edu | 267-341-3402
- **Services Provided:** Supports everyday technology needs including password resets, Tiger WiFi connections, two-step verification, and printing services. Features a Laptop Kiosk where students can quickly borrow a laptop fully equipped with Microsoft Office for up to five hours.

International Affairs / Exchange Visitor Program (J-1/J-2 Visas)

- **Campus Location:** Philadelphia Campus (Holy Family Hall, Room 218)
- **Contact Information:** aelhashemite@holysfamily.edu
- **Services Provided:** Administers the U.S. Department of State Exchange Visitor Program for international professors, research scholars, short-term scholars, and students. Assists with J-1 visas and dependent J-2 visas to promote cross-cultural educational understanding.

Office of Academic Success and Integrated Services (O.A.S.I.S.)

- **Services Provided:** Serves as the central resource within Academic Affairs to empower students throughout their academic journeys. Provides a comfortable space for personalized coaching and consolidates several key offices to ensure comprehensive support, including: Academic Technology Services, Holistic Academic Advising, Tutoring Services, Accessibility Services, Retention and Persistence, and the Online Learning Office.

Office of Global Initiatives (OGI)

- **Campus Location:** Philadelphia Campus (Holy Family Hall, Room 218)
- **Contact Information:** aelhashemite@holymfamily.edu
- **Services Provided:** Provides non-immigrant status advisement on immigration regulations and procedures for F-1 and J-1 students and scholars. Assistance includes visa guidance, travel and employment authorizations, school transfers, Social Security applications, and stay extensions.

Office of Holistic Academic Advising

- **Campus Location:** Philadelphia Campus (Library, 2nd Floor, Rooms 206 & 212), Newtown (virtual meetings by appointment)
- **Services Provided:** Serves full-time and part-time undergraduate students, through their sophomore year, by providing personalized guidance through academic progress, institutional policies, and degree requirements.

Office of Residence Life

- **Campus Location:** Philadelphia Campus (Delaney Hall and Stevenson Lane Residence Hall)
- **Contact Information:** reslife@holymfamily.edu
- **Services Provided:** Manages on-campus residential housing experiences, expanding student learning beyond the classroom to foster personal development within a supportive community.

Parking Services

- **Permit Pickup Locations:**
 - **Philadelphia Campus:** Public Safety Command Center (Campus Center)
 - **Newtown Sites:** Reception Desk
- **Requirements:** All students operating a vehicle must register their car(s) to obtain an official parking permit during their first semester.

Public Safety and Security

- **Coverage:** 24-hour security coverage across all university properties.
- **Contact Information:**
 - **Philadelphia Campus:** 267-341-3333 (or via emergency phones located in parking lots and buildings)
 - **Newtown Sites:** 267-341-4011

Student Engagement Office (SEO)

- **Campus Location:** Philadelphia Campus (Campus Center, 2nd Floor)
- **Contact Information:** seo@holymfamily.edu
- **Services Provided:** Coordinates campus-wide programming, leadership development, student organizations, activity boards, and Honor Societies. Fosters an environment for holistic growth based on the university's core values.

Student Life

- **Campus Location:** Philadelphia Campus, (Campus Center, 2nd floor), Newtown East (1st floor)
- **Contact Information:** studentlife@holymfamily.edu | dos@holymfamily.edu
Available via appointment M-F 9am-4pm; provided both in-person and virtually, based on student preference.
- **Services Provided:** Accessibility Services; Campus Advocacy, Prevention & Education (CAPE); Student Engagement & Campus Life; and Office of the Dean of Students

Student ID Cards

- **Pickup Locations:**
 - **Philadelphia Campus:** Public Safety Command Center (Campus Center)
 - **Newtown Sites:** Reception Desk
- **Policy:** Every student must obtain and carry an official student ID card during their first semester. Cards are required for building access and utilizing the Library, learning resources, and sports facilities. The initial card is free; a \$10 fee applies for replacement cards or for initial IDs taken more than three weeks after the start of classes. Students should complete the "Student ID Request Form", found on the Campus Safety & Security webpage.

Tiger Tutoring & Library Services

- **Physical Locations:**
 - **Tutoring Center:** Philadelphia Campus (University Library, 2nd Floor, within the Center for Teaching & Learning)
 - **Library Research Desk:** Housed on the Northeast Philadelphia Campus. (Librarians provide intercampus/interlibrary loans, APA/MLA consultations, and information literacy sessions at either campus or virtually).
- **Digital Access:** 24/7 online tutoring is available through Tutor.com via Canvas or the university website. Online research databases and catalogs are accessible at www.holyfamily.edu/library.
- **Services Provided:** Offers diverse academic support across undergraduate programs from developmental to honors courses. The Library building provides wireless printing, computer labs, and reservable tech-equipped group study rooms.

Title IX Office

- **Campus Location:** Philadelphia Campus (Campus Center, 2nd Floor)
- **Contact Information:** titleix@holysfamily.edu
- **Services Provided:** Oversees the university's compliance with Title IX, Section 504 (ADA), and civil rights laws regarding equal opportunity. Manages the review, investigation, and resolution of sexual misconduct, discrimination, or harassment reports, and advises complainants, respondents, or third parties on informal and formal courses of action.

Campus Facilities & Specific Academic Spaces

Philadelphia Campus Unique Facilities

Originally established in the early 1920s by the Congregation of the Sisters of the Holy Family of Nazareth, the main campus consists of 46 acres in Northeast Philadelphia. The Philadelphia campus is located at 9801 Frankford Avenue, Philadelphia, PA 19114.

- **Alpha House:** Situated on Grant Avenue (east of Frankford Avenue). This NAEYC-accredited Early Childhood Center provides nursery and kindergarten services to the local community and serves as a practical resource for Education and Nursing majors.
- **Campus Center:** The community hub housing the University Chapel, a gymnasium, a fitness center, the Campus Store, dining halls, and student life administration offices.
- **Computer Laboratories:** Available for student use during open hours in Holy Family Hall (Room 302), the University Library (main floor), and four distinct labs within the Education & Technology Center (ETC).
- **Education & Technology Center (ETC):** Features general classrooms, computer labs, a 200-seat auditorium, a teacher resource room, a café, a chapel, and specialized layouts that model primary/secondary classrooms for education majors and studio/gallery spaces for the Art program.
- **Holy Family Hall:** The primary academic building housing classrooms, science, computer, and language labs, a lecture hall, a communications suite, and administrative offices (including Graduate & Adult Admissions in Room 102 and the Registrar's Office on the second floor).
- **Nurse Education Building:** A four-story facility dedicated to classroom instruction, nursing simulation, and practical training laboratories.
- **University Archives:** Located within the Library building, housing over 50 years of historical documents, photographs, and electronic media chronicling Holy Family's history. Open to the university community and external research scholars by appointment.

Newtown, Bucks County Campuses Unique Facilities

The Newtown East and Newtown West campuses make it easy for students across the greater Philadelphia region to access Holy Family's educational offerings in a more connected, commuter-friendly experience. The Newtown East

campus is located at 1 Campus Drive, Newtown, PA 18940. The Newtown West campus is located at 33 University Drive, Newtown, PA 18940.

Newtown East Facilities

- **Learning Resource Room**, room 122
- **Chapel**, room 129
- **Computer Laboratories**, room 131
- **Cafeteria**, first floor
- **Study Room**, room 235
- **Multimedia Rooms**: Equipped with large-screen video projection, document workstations, and videoconferencing hardware specifically designed to hold interactive, real-time classes or conferences between the Newtown site and the Philadelphia campus.
- **Center for Counseling Studies and Services**: A dedicated clinical training space for the Master of Science in Counseling Psychology program. This suite houses professional faculty offices alongside video- and audio-equipped training areas for play therapy and group psychotherapy, an observation room for monitored skills practice, and therapy simulation spaces.

Newtown West Facilities

- **Nursing Simulation Laboratories, rooms 108, 109, 110, 111, 112, 115, 116**: Fully equipped practice facilities featuring modern clinical nursing simulation equipment.
- **Multimedia Rooms**: Equipped with large-screen video projection, document workstations, and videoconferencing hardware specifically designed to hold interactive, real-time classes or conferences between the Newtown site and the Philadelphia campus.

Financial Information

Tuition and Fees for the 2026-2027 Academic Year

Effective July 1, 2026*

Consult the *Tuition and Fees* website (<https://www.holyfamily.edu/admissions-aid/tuition-fees>) for current:

- Tuition & Fees
- Undergraduate Housing and Meal Plans

The University reserves the right to revise fees and expenses without notice by action of the Board of Trustees. The general fee covers library expenses, health services, careers counseling, special lectures, other cultural activities, and a share in miscellaneous costs of operating the University as well as all technology including computing, AV services, and library systems. The general fee also covers library expenses, health services, careers counseling, special lectures, other cultural activities, and a share in miscellaneous costs of operating the University as well as all technology including computing, AV services, and library systems.

Five and Six-Year Bachelor/Master Programs

Accepted full-time undergraduate students will be permitted to take graduate credits as required by the respective graduate program during their last two undergraduate semesters. Students will be charged the full-time undergraduate tuition rate for this required graduate coursework, provided they are enrolled in 12-18 credits. Any graduate credits taken in excess of program requirements by graduate students enrolled in combined bachelor/master's degree programs will be charged at the current graduate tuition rate.

Graduation Fee

Once a student has submitted an Application for Graduation via Self-Service and their exit interview has been completed, a graduation fee is applied to their account. The graduation fee is \$165 and covers the cost of the degree audits and evaluations, the diploma, the diploma cover, mailing fees and other incidental expenses associated with the graduation. All graduates must pay the fee regardless of attendance at the Commencement ceremony.

Payment of Tuition and Fees

Payment of bills must be received by the University on or before the date established by the Office of Student Accounts each semester. Failure to pay any outstanding balance in full when due will result in a late fee assessment of \$50 monthly per semester. In addition to assessing a late fee, a financial hold will be placed on the student's account. A financial hold prohibits future registration and the release of diplomas. All delinquent balances must be satisfied in full to remove the financial hold. Holy Family University reserves the right to transfer delinquent accounts to a contracted collection agency and/or credit bureau.

If a student's balance is not paid or the student has not established a University payment plan, participation in Countdown to Commencement will be restricted including but not limited to not receiving cap/gown, graduation tickets, or walking in commencement.

The following payment options are available for students to finance their education:

1. Tuition and fees are payable in full at the beginning of each semester. Payment can be made by cash, check, money order, cashier's check or by MasterCard, Discover, Visa, or American Express credit cards. The Office of Student Accounts will bill students who register early. Fall bills are due August 15th and Spring bills are due December 15th. For students registering after the due date, payment is due at the time of registration. All credit or debit card payments are subject to a 2.95% convenience fee.
2. There are two semester payment plans available for students: 5-month and 4-month payments. Both are available once the bills are generated, a month prior to the due date. To enroll, a student can login through Self-Service. Each plan has a \$35 enrollment fee. Payment plans have zero (0) interest and do not require a credit check. But they are only for the current semester's balance.

Withdrawal and Return of Funds Policy

Institutional policy requires that students who wish to withdraw from courses and/or campus housing notify the University in writing. The date the written withdrawal notice is received by the Registrar's Office, and the date the

written withdrawal from housing is received by the Director of Residence Life, will be the basis for determining the respective refund amounts. Housing must be vacated permanently by the withdrawal date. Verbal, telephone, or email withdrawals do not qualify as official withdrawal notices. Withdrawal from housing, but not the institution, may impact students' financial aid. Students should check with the Financial Aid Office to see how their aid may be impacted.

1. **Tuition:** Students who withdraw from some or all of their courses are eligible for tuition adjustments based on the following schedule:
 - Fees are not refundable, including general fee, with the exception of the laboratory/course fee which is totally refunded if the student withdraws prior to the first scheduled class.
 - **Room & Meal Plan:** There is a \$25 fee each for canceling or changing the meal plan after the start of the semester.

Room charges are not adjusted. Meal plans will be adjusted based on the following schedule.

Fall, Spring, and Summer Session 3 Refund Schedule

Period	Tuition Charge	Tuition Adjustment	Meal Plan Charge	Meal Plan Adjustment	Room Charge	Room Adjustment
Before class/meal plan/move-in start date	0%	100%	0%	100%	0%	100%
Within the 1st week of class	0%	100%	20%	80%	100%	0%
After 1st week of class	100%	0%	100%	0%	100%	0%

Summer Sessions 1 and 2 Refund Schedule

Period	Tuition Charge	Tuition Adjustment
Within the 1st week of class	0%	100%
After 1st week of class	100%	0%

2. Students who are recipients of federal* financial aid that: withdraw from all courses, drop all courses, are dismissed from all courses, or withdraw from all courses prior to completing 60% of a semester must have their financial aid recalculated based on the percent of earned aid. (Once a student has completed more than 60% of the payment period, all financial aid is considered to be earned.)

- The amount of federal financial aid that the student earns is determined on a pro-rata basis using the following formula:

$$\text{Percent Earned} = \frac{\text{Number of days completed up to the withdrawal date}^{**}}{\text{Total calendar days in the term}}$$

(with an allowance for any scheduled breaks that are at least 5 days long)

- The percentage of aid that is unearned (i.e., returned to the government) is determined using the following formula:

Percent Unearned = 100% minus the percent earned

- Unearned aid is returned as follows:

The school returns the lesser of:

- Institutional charges multiplied by the unearned percentage
- Federal financial aid disbursed multiplied by the unearned percentage

The student returns:

- Any unearned aid not covered by the school
- When the school and/or the student must return unearned aid, it must be returned to the appropriate program(s) as follows:
 1. Direct Federal Unsubsidized Loan
 2. Direct Federal Subsidized Loan
 3. Direct Federal PLUS Loan
 4. Direct Federal Graduate PLUS Loan
 5. Federal Pell Grant
 6. Federal SEOG
 7. Other Title IV grant programs

* Federal financial aid includes the Federal Pell Grant, Federal Supplemental Opportunity Grant (SEOG), Direct Federal Loan (subsidized and unsubsidized) and Direct Federal PLUS Loan.

** Withdrawal date is defined as the actual date the student begins the institution's withdrawal process, the student's last date of academically related activity, or the midpoint of the term for a student who leaves without notifying the institution.

3. Students who are recipients of Department of Defense Tuition Assistance (DOD TA) Funds that: withdraw from all courses, drop all courses, are dismissed from all courses, or withdraw from all courses prior to completing 60% of a semester must have their DoD TA funds recalculated based on the percent of earned funds, as per the DoD TA policy. (once a student has completed more than 60% of the payment period, all funds are considered to be earned.)

Department of Defense Tuition Assistance (DOD TA) Funds Withdrawal Policy	
8-week Course Withdrawal	
Before or During Week 1	100%
During Week 2	75%
During Weeks 3-4	50%
During Week 5	40% (this is the 60% completion point)
During Weeks 6-8	No Return
16-week Course Withdrawal	
Before or During Weeks 1 or 2	100%
During Weeks 3-4	75%
During Weeks 5-8	50%
During Weeks 9-10	40% (this is the 60% completion point)
During Weeks 11-16	No Return

Loan amounts that are to be returned by the student are repaid in accordance with the terms of the loan's promissory note. Grant amounts that are to be returned by the student are considered a grant overpayment and arrangements must be made with the school or the U.S. Department of Education to return the funds.

The Office of Student Accounts will bill the student for any funds the school must return.

For the purpose of refund computation, a week shall be defined as the period of seven consecutive days beginning with the official University opening and not the first day in actual attendance by the student. All Saturday classes are considered under the same policy.

Common refund examples are available and can be obtained by calling the Office of Student Accounts.

Tuition Appeal Policy

All students are subject to Holy Family University's policy on withdrawal and refunds. However, students may request a tuition appeal when special circumstances prevent compliance with the published deadlines.

On rare occasions students may experience extenuating circumstances that warrant exceptions to the published policy. Students may request University consideration for an exception by completing the Tuition Appeal form. Tuition appeals are reviewed by the Assistant Controller/Director of Student Accounts.

Required Criteria

Students seeking an appeal must meet the following criteria:

A direct cause-and-effect relationship can be demonstrated between the extenuating circumstances and the student's ability to persist in his/her course(s).

Circumstances experienced and their resultant impact were not foreseeable and/or could not have been reasonably prevented during the time period in question.

Relevant documentation can be furnished from an appropriate authority to support the claim. Documentation must be on official letterhead of the office of the issuing authority and include the contact information.

Examples include a letter from a physician, commanding officer, employer, etc. Please note that all documentation is kept confidential.

Exclusions

General fees are excluded from the refund request. The student will still be responsible for the general fee even if the appeal request is approved. General fees are not reversed, they are non-refundable.

Deadline to Request an Appeal

All requests for appeals to the Holy Family University refund policies must be submitted within **60 days** from the last day of the term in which the circumstance occurred.

University Decision

The requesting student will be notified of the University's decision approximately **six to eight weeks** from the time of submission of **all documentation**.

Instructions for Submitting a Request for a Tuition Appeal:

Please note that submission of an appeal will not act as a withdrawal from ongoing classes. If you have any other questions, please contact the Office of Student Accounts at 267-341-3202.

A complete request must include the following:

Completed, *signed* and dated Tuition Appeal Form; *and*

A TYPED detailed personal statement (please limit this to 1 page); *and*

Relevant and supporting documentation that pertains to the time period at issue.

Incomplete requests will be closed and denied but may be re-opened once the required documentation is submitted as long as they are received within 30 days from the date of the original denial.

A Tuition Appeal must meet the following Criteria:

- All requests for appeals to the Holy Family University Refund Policies must be submitted within **60 days** from the last day of the term during which the circumstance occurred.
- A direct "cause and effect" relationship can be demonstrated between the extenuating circumstances and the student's ability to successfully complete his/her course(s).
- Circumstances experienced and their resulting impact were unforeseeable and/or could not have been reasonably prevented during the time period in question.
- Relevant documentation can be furnished from an appropriate authority to support the claim. Documentation must be signed and on official letterhead of the issuing authority and include the contact information for this authority. See below for examples of supporting documentation.

Reason	Examples of Relevant and Supporting Documentation
Medical Issue	A signed letter from physician/medical provider stating 1) the date(s) of the onset and duration of the condition and 2) how the condition impaired your ability to continue/complete courses. Please do NOT send medical records or bills.
Military Duty	Deployment orders/PCS orders/TPY orders; Memo from Commanding Officer to address issues not covered by military orders.
Death of Immediate Family Member	Death certificate or obituary. The submitted documentation must show date of death and family relationship.

The following issues cannot be addressed through this process:

- Satisfactory Academic Progress (SAP)
- Disputes regarding denial of financial aid or the amount awarded
- Alleged arbitrary and capricious grades
- Complaints about class instruction or curriculum.

Please e-mail, fax or mail your request to:

E-mail:
srosen@holyfamilly.edu

Fax:
215-281-1690

Address:
Holy Family University
Office of Accounts Receivable Operations
Holy Family Hall, Room 202
9801 Frankford Avenue
Philadelphia, PA 19114

Non-Credit Offerings

No refund will be made upon withdrawal from non-credit courses, seminars, lectures, or workshops after the registration deadline. A service fee of \$20 will be deducted from all refunds to cover administrative costs if the student withdraws prior to the registration deadline.

Financial Aid

Holy Family University is committed to providing education to qualified students regardless of means. The financial aid program offers assistance to students in need through scholarships, grants, loans and employment. Non-need based scholarships are offered, for a first undergraduate degree, to full-time (at least twelve credits) incoming and transfer students based on academic achievement.

Overall, the University views financial assistance to students as a cooperative investment in a student's education. If parents and the student contribute to the maximum of their ability, then the University attempts to complete the partnership. Financial aid awards, then, are offered as a supplement to the family contribution.

Annual Application Procedures

1. All students should complete the Free Application for Federal Student Aid (FAFSA) as soon as possible after it becomes available on October 1st. For priority packaging, new, full-time (at least twelve credits) undergraduate students should submit their FAFSA's by January 15th for the upcoming academic year. All other students should submit the FAFSA by the priority deadline of April 1 for the upcoming academic year. The FAFSA is submitted on-line at studentaid.gov, select "FAFSA Form". Indicate Holy Family University (code 003275) in the appropriate section of the form to ensure Holy Family receives the FAFSA results. Students interested in applying for financial aid for summer sessions should also complete the FAFSA and Holy Family Summer Financial Aid Application by the priority deadline of April 1 for the upcoming summer sessions.
2. Check with your state's higher education agency to determine if a separate state grant application is required and what the deadline is for processing the application. All Pennsylvania residents must file the FAFSA form before

May 1 to be considered for a state grant. Other states may have earlier deadlines. Holy Family does not replace state grants lost through late application.

3. The Financial Aid Office will receive the results from the FAFSA directly from the federal processor soon after the FAFSA is filed. Once this is received and a new, full-time undergraduate student is accepted for admission to Holy Family University, the Financial Aid Office will provide the student with an estimate of financial aid. Returning students will receive their aid award when their file is complete, they are registered for the following Fall semester and after Spring grades are posted.
4. After all forms are filed, students may be asked (by Holy Family University, the federal processor, or state grant agencies) to supply additional information. It is important to respond to any request promptly to avoid delays in processing financial aid applications.

Federal Assistance

All federal aid is based on a federal formula that analyzes information from the student's FAFSA and calculates the Student Aid Index (SAI). This is the amount that the federal government calculates the family can reasonably be expected to provide toward the cost of education. After completing the FAFSA, the student will receive FAFSA Submission Summary, which will contain the SAI and information about Federal Pell Grant eligibility. A student's financial need is determined by subtracting the SAI from the Cost of Attendance (COA), which includes tuition, fees, housing (room)/food (board), living expenses, books, and other personal expenses. Students must be U.S. citizens or eligible non-citizens and enrolled half-time (at least six credits unless otherwise noted) in a degree program to be considered for these federal aid programs.

Federal Pell Grant – This is the foundation for all need-based financial aid. Federal Pell Grant awards are based on the student's SAI: the lower the SAI, the higher the award. Students enrolled less than half-time (below six credits) may be eligible to receive Federal Pell Grants. Also, students must be in a first undergraduate degree program.

Federal Supplemental Educational Opportunity Grant (SEOG) – Administered through Holy Family's Financial Aid Office, this grant is used to supplement a student's Federal Pell Grant award and is given to full-time (at least twelve credits) students with the most need as determined by the FAFSA, as well as the availability of funds, and Holy Family University's financial aid and admissions award parameters. Also, students must be in a first undergraduate degree program.

Direct Federal Loan – This loan is borrowed through the federal government. There are two types of Direct Federal Loans, Subsidized and Unsubsidized. The Subsidized Loan is available to students who demonstrate financial need. The principal is deferred while the student is enrolled at least half-time (six credits). The interest rate is fixed each year and does not accrue until after the student either graduates or drops to a less than half-time enrollment status (fewer than six credits). The Unsubsidized Loan is available to students regardless of financial need. The principal is deferred while the student is enrolled at least half-time (six credits). The interest rate is fixed each year which the student either pays or allows to accrue.

Federal regulations require that, for both types of loans, they be disbursed in two equal installments, less an origination fee (see Various Financial Aid Policies for information on the timing of disbursements). Repayment of both interest and principal begins six months after the student graduates or drops to a less than half-time enrollment status (fewer than six credits). Please see the chart below for the amounts a student can borrow.

ANNUAL AND AGGREGATE LOAN LIMITS

Academic Year	Dependent Students	Independent Students*	
	Maximum Direct Federal Loan (Sub & Unsub)	Maximum Direct Federal Subsidized Loan	Maximum Direct Federal Loan (Sub & Unsub)
ANNUAL LIMITS			
Freshmen	\$5,500 (\$3,500 max subsidized)	\$3,500	\$9,500
Sophomore	\$6,500 (\$4,500 max subsidized)	\$4,500	\$10,500
Junior, Senior, Teacher Certification coursework	\$7,500 (\$5,500 max subsidized)	\$5,500	\$12,500

AGGREGATE LIMITS

Dependent Undergraduate	\$23,000 subsidized, \$8,000 unsubsidized	n/a	n/a
Independent Undergraduate	n/a	\$23,000	\$57,500

** Dependent students whose parents are denied a PLUS loan can borrow the same amount of unsubsidized loan as an independent student.*

Federal Work-Study Program (FWS) – This program is administered through Holy Family’s Financial Aid Office. Full-time (at least 12 credits) students, in a first undergraduate degree program, are eligible and the amounts awarded are based on a student’s need and annual funding. Students awarded FWS seek one of the many jobs that are available on campus. Positions are not guaranteed since availability depends on student schedules, skills, departmental needs, federal funding and student initiative. Time sheets are submitted for hours worked and bi-weekly paychecks are issued directly to students rather than to student billing accounts. Work-study earnings are intended to help assist with the cost-of-living expenses, books and supplies.

Direct Federal Parent Loan for Undergraduate Students (PLUS) – This loan is available from the federal government for parents of dependent undergraduate students. Based on credit worthiness, parents can borrow the difference between the cost of attendance and any financial aid received, up to a maximum of \$20,000 per year with a 4-year maximum of \$65,000. The interest rate is fixed each year and begins accruing on the date of the first disbursement. An origination fee is deducted from the loan before it is disbursed. Repayment can begin either 60 days after the loan is fully disbursed or deferred until six months after the student graduates or drops to less than half-time (fewer than six credits).

State Assistance

Pennsylvania State Grant – This grant is administered by the Pennsylvania Higher Education Assistance Agency (PHEAA). Grants are awarded to Pennsylvania residents enrolled half-time (at least six credits) based on PA state grant eligibility determination. PHEAA utilizes the FAFSA information to determine eligibility. The deadline for submitting the FAFSA to be considered for a PA state grant is May 1. PA state grant rules require that undergraduate students enrolled in modular sessions must be enrolled in a minimum of three credits per session for all sessions of a semester to receive a state grant (i.e. students must be continuously enrolled for a minimum of 15 weeks per semester).

Other State Grants – Some states, such as Delaware, the District of Columbia, Massachusetts, Ohio, Vermont, and West Virginia, provide grant and scholarship money for students attending out-of-state colleges. Students should check with their guidance counselor or state’s higher education assistance agency for details. Students should review the state filing deadlines listed on the FAFSA website.

University Assistance

Holy Family provides additional aid to full-time (at least 12 credits) students with and without financial need, in a first undergraduate degree program.

Athletic Grants – Grants are offered to athletes based on the Athletic Office’s determination of eligibility.

Holy Family Grants – The grants are used to help meet students’ need after federal and state sources have been awarded and are applied using Holy Family University financial aid and admissions award parameters.

Holy Family Scholarships – Scholarships are awarded to incoming full-time students (including international students) based on admissions academic criteria. To renew, students must be full-time (at least 12 credits per semester) and make Satisfactory Academic Progress (see Satisfactory Academic Progress for Financial Aid).

Other Assistance

Outside Scholarships and Grants – Scholarships and grants can come from a variety of sources. Students are encouraged to seek out these other aid sources from such organizations as PTAs, civic organizations (Kiwanis, Rotary, etc.), foundations, corporations, religious organizations, business and labor unions and many more.

Private Education Loans – There are many lending agencies that provide loan assistance to qualifying students. Additional information on these types of loans is available at www.holyfamily.edu/finaid, select “Loan Programs”.

Veterans' Affairs Programs

Holy Family University is committed to making a private, post-secondary education affordable for all veterans and their dependents. While we encourage veterans attending Holy Family to contact us with any questions pertaining to the processing of the U.S. Department of Veterans Affairs (VA) educational benefits, specific questions about eligibility for VA benefits should be addressed to the VA. Holy Family does not determine a veteran's eligibility for benefits. We assist in the communication of veteran student enrollment to the VA for purposes of certification and receipt of benefits.

Veteran students may be eligible for many different benefits and sometimes the decision to apply specific benefits may be irrevocable. Students are encouraged to use the VA GI Bill® Comparison Tool (department-of-veterans-affairs.github.io/gi-bill-comparison-tool/) to assist them in making the decision of which benefits to use for their education. GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government website at www.benefits.va.gov/gibill. GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government website at www.benefits.va.gov/gibill.

Student eligibility is determined by the Department of Veterans Affairs and/or the Department of Defense, depending on the Chapter benefits. Students must present a Certificate of Eligibility to Holy Family's School Certifying Official (SCO), prior to any benefits being distributed. The Certificate of Eligibility can be mailed, faxed, or scanned and emailed. Students should apply online for VA Benefits. (www.vets.gov)

Holy Family must receive the following information prior to submitting credits to the VA for payment of tuition & fees and monthly housing allowance:

- Students must submit an updated Certificate of Eligibility. The Certificate of Eligibility is sent to the student from the VA. The Certificate of Eligibility is for students utilizing all Chapter benefits except students utilizing Chapter 31 benefits.
- Chapter 31 recipients must submit an updated VA Form 1905 from their Voc-Rehab counselor.
- Students must fill out the VA Submission Form from the Holy Family University website. This form must be submitted for every term that the student would like credits submitted to the VA.

The Veterans Benefits and Transition Act of 2018 requires all Institutions of Higher Learning, such as Holy Family University, to confirm compliance with its requirements. As such, a Covered Individual is any individual who is entitled to educational assistance under Chapter 31 or Chapter 33 benefits.

Holy Family will not impose any of the following on any covered individual because of the individual's inability to meet his or her financial obligations to the institution due to the delayed disbursement of funding from the Department of Veterans Affairs under Chapters 31 or Chapter 33:

- Denial of access to classes, libraries, or other institutional facilities
- Requirement that a covered individual borrow additional funds
- Penalty, including the assessment of late fees

The Veterans Benefits and Transition Act of 2018 is limited to the portion of funds paid by the VA for certified tuition and fees. Note: Charges not covered by educational assistance for Chapter 31 or Chapter 33 are the student's responsibility and is not included under The Veterans Benefits and Transition Act of 2018. The student can bring their account into a paid status by paying their remaining balance in full or by enrolling in a payment plan by the term due date.

Students receiving benefits from the VA are subject to the same Academic Policies and Standard Academic Progress requirements as our general student population. These policies include:

- Grading system
- Minimum grades considered satisfactory
- Academic Probation and Dismissal

Detailed information regarding each of these policies can be found in the appropriate section of this catalog.

Holy Family University's School Certifying Officials are:

Cheryl Hoffman *Holy Family Hall, Room 216*
Associate Registrar *Office: (267) 341-3212*

Additional information regarding Veterans Benefits at Holy Family can be found at www.holyfamily.edu/veterans-affairs, or by emailing vabenefits@holyfamily.edu.

Named Scholarships

Named scholarships at Holy Family have been generously funded by alumni and friends of the University. The number of scholarships and the amounts awarded annually depend on the income available from endowment funds and the annual gifts made by donors, which vary every year.

To be considered for a named scholarship, students must complete the Named Scholarship Application every fall. All applicants will be notified of their status after named scholarships are awarded by the Institutional Scholarship Selection Committee in the following spring. To be eligible, students must have completed at least one semester at Holy Family, not be pursuing a second bachelor's degree or a second associate's degree, be in good academic standing, and all U.S. Citizens and eligible non-citizens must file a current FAFSA form (Free Application for Federal Student Aid).

Amber Fisgaer '24 Memorial Scholarship

Dean Anthony Akel Scholarship

Alumni Association Scholarship

Bove-Falloon Scholarship

Carolina '59 and Joseph Donahue Endowed Scholarship

The Catherine T. Anderson '17 Memorial Scholarship Fund

Donald Huber Memorial Scholarship

John J. Barclay Memorial Scholarship

The Beth Jones, Ph.D. and Brian Berry, Ph.D. Memorial Scholarship

Sister Marcella Binkowski, CSFN, '76 Scholarship for Meritorious Service

Sister Lillian Budny, CSFN, PhD Memorial Scholarship

Class of 1960, 1964, 1965, 1968 and 1969 Scholarships

Gerardine Colgan Endowed Scholarship

Commonwealth Good Citizen Scholarship

Crown Holdings Distinguished Scholarship

Faculty Senate Scholarship

Family and Friends of Holy Family University Scholarship

Edward J. Fitzgerald, Jr. and Anita L. Fitzgerald Memorial Endowed Scholarship

Friend of the University Scholarship

Linda Gallagher Nursing Excellence Award

Gibson Student-Athlete Nursing Scholarship

Christine Gibson Scholar-Athlete Scholarship

Florence S. Gondek Memorial Scholarship

Sister Clara Grochowska CSFN, PhD Scholarship

Jaye Grochowski Scholarship

Timothy A. Grugan Award for Academic Excellence of a Holy Family University Athletic Team

Stanley and Regina Gwiazda Endowed Scholarship

Dolores Maria Henchy, D.Min. Scholarship

James F. Higgins Annual Scholarship

Nancy Goehl Kochanski '69 Memorial Endowed Scholarship

Adele Smythe Leboy '62 Scholarship for Women in Science

John and Mary Szczepanik Machowski Scholarship

Janet V. Mackiewicz '99, M '09, '14 Endowed Scholarship

Janet V. Mackiewicz '99, M '09, '14 Endowed Scholar-Athlete Award

Francis T. Markiewicz Memorial Scholarship

Jozef and Bronislawa Markiewicz Scholarship

Stanislaus J. Markiewicz Memorial Scholarship

Margaret E. Mattson '69 Ph.D. Scholarship

Dennis McDaniels '05 Memorial Scholarship

Robert F. McKeon Memorial Scholarship in Communications

McLean Scholarship for Nursing and Physician Assistant Majors

Sandra Michael Endowed Scholarship for Scholar-Athletes

Frances P. Mulherin '71 Endowed Scholarship

Mullin-Wombwell Scholarship

Nadijcka-Higgins Endowed Scholarship

Jeanette Sardella Narcisi Scholarship

NewCourtland Endowed Scholarship

Dr. Susan Nowak Memorial Science and Math Scholarship

Sister Francesca Onley, CSFN, '59, PhD Endowed Scholarship

Papst Meyers Term Scholarship

Philip Ward and Regina Cummins Ward '77 Memorial Endowed Scholarship in Nursing

Leona and Elvin Patterson Memorial Scholarship

Reuscher-Fitzgerald Softball Scholarship

Jenna Richards '16 Memorial Scholarship

Lawrence and Adrienne Riley Endowed Scholarship

Regina "Gerty" Rocks Memorial Scholarship

Regina M. '74 & David W. Johnson Distinguished Scholarship Fund

David '83 and Mary '83 Rudy Scholarship

Lois Samuel Scholarship

Sisters of the Holy Family of Nazareth in America Merit Scholarship

W. W. Smith Charitable Trust Grants

Men's Soccer Alumni Scholarship

Women's Soccer Alumni Scholarship

Southampton Window Cleaning and Janitorial Service Scholarship

Sun East Federal Credit Union Student Award

Walter Swartz '92 Memorial Scholarship

Anthony J. and Mary Ann Szuszczyk Merit Scholarship

Albert W. and Louise M. Tegler Memorial Scholarship

United Political Club Scholarship

Samuel and Edith Veitz Endowed Memorial Co-op Education Scholarship

Sister Frances Veitz, CSFN, '62, EdD Internship/Cooperative Education Scholarship

Marion Ahrens Von Rosenstiel Scholarship

Weed-Hilliard-Augustin Track and Field / Cross Country Scholarship

The Louise C. Weston, '66 PH.D. Scholarship

Sister Florianne Zacharewicz, CSFN, PhD Scholarship

Stephen Zalewski Memorial Scholarship

Additional Financial Aid Policies

1. Renewal of aid administered by Holy Family University is dependent upon the availability of funds and a reassessment of the aid recipient's eligibility.
2. Commitment of funds assigned by the federal and state government is made subject to legislative appropriation.
3. If a student receives a Pennsylvania State Grant, another state grant or an Athletic Grant after receiving a Holy Family Grant and/or a Federal SEOG Grant, the Holy Family Grant or Federal SEOG Grant may be reduced by the amount of the additional state grant or Athletic Grant. The Holy Family Grant or Federal SEOG Grant will not be increased if a student's state grant is lost due to late filing of their applications and/or the student's lack of response to the state's request for additional information.
4. A first-time Direct Federal Loan borrower must complete a Direct Federal Loan Master Promissory Note (MPN) and also loan entrance counseling before loan funds can be disbursed. This is normally done at studentaid.gov, select "Loans and Grants".
5. Before leaving the University, all student loan borrowers must complete a loan exit interview. The purpose of the exit interview is to make the student familiar with the rights and obligations for repayment of their student loan.
6. Each applicant for need-based financial aid must agree to submit his/her own and/or parents' IRS Tax Return transcript and any other requested forms to the Financial Aid Office upon request. Omission or falsification of pertinent information does not relieve the student of financial obligations to the University and may result in refusal or withdrawal of financial aid, refusal of admission, dismissal from the University or any other penalty deemed appropriate by the University.
7. Federal regulations do not allow repeated courses when evaluating eligibility for federal aid, except for failed courses and one repeat of a passed course. Students repeating a course that will not be counted for aid eligibility must make sure that they are registered for enough additional credits (without counting the repeated course) to be

enrolled at least full-time (twelve credits) if they are normally full-time, or half-time (at least six credits) if they are normally half-time.

8. Federal regulations require students to report to the Financial Aid Office any changes of enrollment or housing status or any changes in their financial situation (including receipt of gifts or outside scholarships and/or tuition reimbursement for expenses related to attending Holy Family).
9. When a student's financial assistance from outside sources in combination with federal, state and Holy Family funded grants and scholarships exceeds the general tuition and general fee cost, their Holy Family funded grant and/or scholarship will be reduced by the amount in excess of the general tuition and general fee cost.
10. Except for some Holy Family Scholarships, students must reapply for all types of financial assistance each academic year by the required filing deadline (see Annual Application Procedures for filing deadlines).
11. University-based grants and scholarships do not cover overload courses or double majors.
12. Students pursuing a second bachelor's degree are only eligible to receive Direct Federal Loans.
13. Financial Aid is disbursed in two equal installments (fall/spring) and is not disbursed to accounts until after the add/drop period of each semester. Students enrolled in modular sessions (sessions shorter than 15 weeks, i.e. 6 week and/or 8-week sessions), will not have their aid disbursed to accounts until after the add/drop period of the last session of each semester.

Satisfactory Academic Progress for Financial Aid

Students receiving financial aid are required by federal regulation to be making Satisfactory Academic Progress in order to continue to receive aid while enrolled at Holy Family University.

Minimum Standards for Satisfactory Academic Progress for Financial Aid

Federal regulations require that an institution establish, publish, and apply reasonable standards for measuring whether a student, who is otherwise eligible for aid, is maintaining satisfactory academic progress in their course of study. The standards must be the same or stricter than the institution's standards for a student enrolled in the same academic program who is not receiving financial aid. For the purpose of satisfactory academic progress, financial aid includes all federal, state, and Holy Family University funded scholarships, grants, discounts, work, and loans. Listed below is the complete statement of Minimum Standards for Satisfactory Academic Progress for financial aid. Please refer to our web site for the most up to date version of this policy (www.holyfamily.edu/finaid).

Maximum Timeframe for Completing Degree Requirements

- Students are expected to complete their program of study (degree) in the number of semesters indicated in the catalog. Transfer students and students changing programs are placed in an appropriate semester on the basis of credits transferred. Such students are expected to complete their degree according to the remaining semesters in their program plus one additional semester to allow for scheduling difficulties.
- The maximum timeframe for completing degree requirements is six years for full-time study and twelve years for half-time study. Transfer credits earned at other institutions that are applicable to the student's program of study will be considered in determining the student's maximum timeframe for program completion.

Pennsylvania State Grants are only available for eight full-time semesters and sixteen half-time semesters.

Students must make quantitative progress (pace of completion) and qualitative progress (minimum cumulative grade point average) toward their educational goals each academic year to receive aid. The academic year consists of the summer sessions and two regular semesters (fall and spring).

Quantitative Standards

To be eligible for continued receipt of financial aid (excluding Pennsylvania State Grants), students must satisfactorily complete at least 75% of all courses attempted.

Qualitative Standards

To be eligible for continued receipt of financial aid, students must achieve the following cumulative grade point average (GPA):

23 or fewer cumulative credits	1.75
24 and above cumulative credits	2.0 cumulative GPA

Measurement of Academic Progress

Academic Progress measurement includes all semesters and is usually measured at the end of the Spring semester. Students beginning their program in the Spring semester will be evaluated based on their academic performance during their first Spring semester and at the end of each subsequent Spring semester. Also, the satisfactory progress

standards are cumulative and will include all semesters of the student's enrollment, even those for which the student did not receive financial aid.

Failures and withdrawals are courses attempted, not completed. Incompletes are not counted toward credits completed until after the course work is successfully completed and posted by the Registrar's Office. Repeat courses will be evaluated for satisfactory academic progress as outlined in the academic policy section of the University catalog.

When Minimum Standards of Academic Progress Are Not Achieved

Students who fail to meet these requirements will be notified in writing by the financial aid office after information on academic progress is available at the end of the academic year (typically May). Students who fail to meet these requirements will not be considered for financial aid until all requirements have been met. Under no circumstances will financial aid be awarded retroactively to the semester(s) in which the requirements were not met. Students who fail to meet these requirements have the opportunity to make up the hours and grade point requirements needed during the Summer sessions (at their own expense). Once the Summer course work is posted by the Registrar's Office, the student will be considered for financial aid for the next semester if the requirements are met. It is the student's responsibility to ensure the grades and credits completed have been properly posted with the Registrar's Office and to notify the Financial Aid Office once this has occurred.

The student may also submit a completed "Financial Aid Appeal of Satisfactory Academic Progress" form, available at our web site, www.holyfamily.edu/finaid/forms. The appeal must include the following:

- The events that occurred within the past academic year that prevented the minimum requirements from being met. It should specify mitigating circumstances such as extended illness, death in the family, or other extraordinary extenuating circumstances. The financial aid office may request additional documentation to support the appeal.
- What has changed in their situation that will allow them to make Satisfactory Academic Progress at the next evaluation. This should include an explanation of what actions will be taken to ensure the requirements are met the following year.

Approval or disapproval of this appeal will be made by the Financial Aid Appeals Committee. The student will be notified in writing of the committee's decision. If the appeal is denied, the student will remain ineligible for financial aid until the minimum requirements are met. If the appeal is approved, the student will be placed on Financial Aid Probation for one semester. The student may also be required to complete an Academic Plan if it is determined it is not possible for the student to meet the minimum requirements after just one semester's coursework. At the end of the probationary semester, it will be determined if all requirements have been met. If so, the probationary status will be removed. If the requirements were not met at the end of the probationary semester, the student will be ineligible for further financial aid until the minimum requirements are met.

Standards of Academic Progress for the Pennsylvania State Grant Program

Pennsylvania Higher Education Assistance Authority (PHEAA) requires recipients of the PA State Grant to complete a minimum of 24 credits for every two semesters of full-time grant assistance received, or a minimum of 12 credits for every two semesters of half-time grant assistance received. Students whose status is split within the academic year (full-time/half-time) will have their state grant eligibility reviewed based on a proration of annual requirements for the appropriate semester. Please note that courses repeated to improve a non-failing grade are not counted by PHEAA toward the minimum credit requirement. Students must appeal directly to PHEAA concerning extenuating circumstances. The University cannot override the state's decision regarding the loss of a State Grant.

Student Life

The Center for Student Life is a collective of offices and support services designed to meet the needs of our students in a holistic and integrated way. We're committed to helping all students at Holy Family University in their journey to reaching their fullest potential. Together, we provide a variety of student support services, and assist our campus community by promoting community engagement, life and leadership, and wellness and health. Student Life includes:

- Office of the Dean of Students
- Accessibility Services
- Campus Advocacy, Violence Prevention, Education
- Counseling Services
- Health Services
- Housing & Residence Life
- Nondiscrimination
- Student Conduct & Code of Conduct
- Student Engagement & Campus Life
- Title IX: Sex- and Gender-Based Discrimination

Student Engagement

The Student Engagement Office aims to create an engaging, transformative campus experience through holistic student leadership opportunities and diverse program offerings. Our staff and students provide avenues for students to learn, lead, and grow within an environment where we all can feel appreciated and connected to the campus community.

Athletics

The University provides a balanced and well-organized athletic program designed to encompass intercollegiate sports.

Holy Family University participates in inter-collegiate sports, holds memberships in the National Collegiate Athletic Association (NCAA) Division II and the Central Atlantic Collegiate Conference (CACC).

Publications

Folio – The literary magazine serves as a means of expression for the campus community to share its creative writing and other artistic endeavors. Each semester, Folio hosts open submissions for the University community to submit their personal work for publication consideration.

Holy Family University Catalog* – The Catalog contains information about the University and is published every year.

Honor Roll of Donors* – The Honor Roll of Donors acknowledges gifts made during the previous fiscal year to thank all donors for their generous contributions.

Report of the President* - The Report of the President is an annual comprehensive state-of-the-University communication for The Board of Trustees.

Student Handbook* – The Student Handbook presents University policies and regulations to all students, as well as the code of conduct and appropriate adjudication procedures.

Tri-Lite* – The student newspaper gives students a place to publish their news articles, opinions, and creative writing. It also provides valuable production, editing, and design experience for English majors. Tri-Lite moved from a print publication to a digital presence in October 2017. For more information, contact tri-lite@holysfamily.edu.

Program Handbooks – handbooks containing information relevant to specific disciplines are distributed by the respective academic units and are available online.

General University Policies and Procedures

Student Expectations

While help is available in the respective school and program offices for planning, the student has the ultimate responsibility for academic planning. Students should read the Undergraduate Catalog and other material published

and distributed by the academic schools. In doing so, the student can best be assured of completing the program in the desired time.

Responsibilities of Students

Holy Family University students bear a certain level of responsibility for the high-quality academic and interpersonal environment at Holy Family University. To ensure adequate communication and to protect students' rights, the following responsibilities are enumerated:

1. Students are responsible to know and observe all regulations and policies of Holy Family University. To this end, students are expected to consult University and school publications (e.g., catalogs, on-line handbooks, course syllabi) as well as the website for all relevant regulations, dates, times, and deadlines pertaining to academic programs and services as well as degree completion.
2. All students must obtain an ID card. A valid ID card is required for use of the library, computer facilities, and building access. Students are expected to have their IDs with them at **all times**.
3. Students are expected to meet all financial responsibilities in order to continue in coursework and complete degree requirements.
4. Students are encouraged to save all catalogs and course syllabi. The University will not be responsible for providing students with more than a course description for any given course subsequent to completion of the course and/or degree program.
5. Students are expected to obtain handbooks and other materials prepared and distributed by the respective schools of concentration and to familiarize themselves with program, certification, and licensure requirements as presented in these publications. Each student is required to understand and adhere to the prerequisites, criteria, and procedures for field and practicum placements, student teaching and clinical and internship experiences.

Student Code of Conduct

Holy Family expects the conduct of each student in full accord with the University's interests, standards, and ideals. Holy Family's Student Code of Conduct and disciplinary process as described in the *Student Handbook* and on Holy Family's website, www.holyfamily.edu, was developed to hold students accountable for their behavior on or off campus. The University reserves the right to dismiss, at any time, students whose personal conduct brings discredit to the University. In such cases, the fees due or already paid to the University will be neither remitted nor refunded in whole or in part.

The current Student Handbook, containing the Student Code of Conduct and disciplinary process is available at <https://www.holyfamily.edu/student-handbook>.

It is understood that by attending Holy Family University, students accept all conditions and regulations, understand all policies and procedures, and refer to the Handbook if there are any questions about applicable policies, procedures and regulations.

Code of Ethical/Professional Standards and Conduct

Degree programs at Holy Family University prepare students to take positions of responsibility and leadership within their communities and professions. Many departments and programs require supervised off-campus clinical experience in which students are expected to conduct themselves as professionals-in-training. Students are expected to abide by the standards and codes that govern their professions, as well as to demonstrate the meaning and value of ethical conduct, personal honesty, and professional integrity. Behavior in violation of ethical or professional standards of the field and/or Holy Family University constitutes grounds for immediate dismissal from the program. Students should consult relevant program handbooks for further information.

Academic Integrity

Holy Family University, true to its motto, "*Teneor Votis*" ("I am bound by my responsibilities"), educates men and women both intellectually and morally to assume their responsibilities toward God, themselves, and society. The University expects from its students the highest standards of honor and integrity in meeting their academic responsibilities.

In addition, academic honesty is essential for effective evaluation of student scholarship and growth. Anything less than complete integrity undermines the basic educational process.

Violations include, but are not limited to, copying tests, laboratory reports, etc., purchasing work to present as one's own, obtaining tests or test questions illegally, either verbally or otherwise, using notes during testing or collaborating with another to obtain test information.

Plagiarism is another form of cheating. This is defined as: using in a written or oral assignment or project the ideas or words of another without acknowledging the source. When one repeats, without quotes, the ideas or words of an author, paraphrases an author's ideas, or presents an author's line of thought without acknowledging that author, the user is guilty of plagiarism, a serious breach of academic honesty.

Similarly, the use of computers to obtain and/or disseminate information for dishonest purposes, as well as misrepresentations concerning the source, development, or application of computer software, constitutes a serious violation of academic integrity.

Anyone who willfully assists another in the breach of integrity is held equally responsible and is subject to the same penalties.

Academic dishonesty in any form is regarded as a breach of honor and integrity, an evasion of personal responsibility, and an attempt to misrepresent progress. Violations of standards will not be tolerated at Holy Family University and will be subject to progressive sanctions including failure of a course and dismissal from the program and University. Sanctions may be appealed.

Grievance Procedures

Academic Disputes

The appeal procedure shall act as a vehicle for communication and decision-making between student and faculty and provide a process through which an academic grievance can be resolved. Justifiable cause for an academic grievance shall be defined as any act that is perceived as either a prejudiced or capricious action on the part of a faculty member in the evaluation of a student's performance (e.g. challenges involving academic integrity, grades). Resolution of academic disputes involving faculty and students which are unrelated to either grade challenges/academic integrity will also be subject to due process as defined below.

1. If a student questions a decision or other academic action taken by a faculty member, the first level of appeal is to discuss the matter with the faculty member and provide in writing any additional information which may affect the faculty member's decision/action. This action is to be taken by the student within five (5) business days from the date of the incident. The faculty member will be expected to respond to the student's appeal within ten (10) business days. Mediation, defined here as discussion with the immediate persons involved with no legal representation, is optional but not required for complaints to be fully processed.
2. If the issue is not resolved to the satisfaction of all parties, the student may submit within five (5) business days a written statement that includes the facts of the case and the proposed solution to the Program Administrator. Within ten (10) business days, the Program Administrator will conduct an investigation.
3. All aspects of the student's complaint and the investigation will be kept confidential to the extent possible with regard to complaint filing, investigation and disposition. The investigation will be conducted in an impartial manner and will include an impartial decision-maker. If the school program designee cannot remain impartial, he/she will remove him/herself from the proceedings and assign the matter to the appropriate School Administrator who will start the time frame from the date at which they received the complaint.
4. Upon completion of the investigation by the Program Administrator the student will receive within ten (10) business days a written determination which contains the outcome of the complaint and the basis for the decision rendered.
5. The student may appeal the finding of the Program Administrator in writing to the School Dean within five (5) business days. The written appeal will be reviewed in an impartial manner and the Dean will provide a written decision to the student within ten (10) business days from the date on which the appeal was received.
6. The student may appeal the Dean's decision to the Vice President for Academic Affairs within five (5) business days. The decision will be reviewed in an impartial manner by the Vice President and a panel representing a balanced cross section of the campus community. The Vice President for Academic Affairs will provide a written decision to the student within ten (10) business days from the date the written appeal is received. The final appeal is made to the Vice President for Academic Affairs.

Grade Challenges

Appeals involving grades must be presented by the conclusion of the semester following receipt of the grade in question. (For example, if the grade being challenged was received in Fall 2024, the grade appeal must be presented by the conclusion of Spring 2025.) Once initiated, the grade appeal will follow the process and timeline outlined above. Any grade challenge older than this one-year time frame will not be considered.

Retaliatory conduct against any individual who has filed a complaint, who is the subject of harassment, who has provided information as a witness, or who has submitted an appeal will not be tolerated and will be grounds for discipline up to and including expulsion or termination. Further, complainants will be disciplined for filing false statements or testimony during an appeal and/or investigation.

General Grievance

General grievance processes and procedures may refer to grievances of the following:

- a student or students towards another student or students.
- a student or students towards a university administrator, faculty, or staff member or third-party vendor (i.e. Public Safety, Housekeeping, Dining Services).

At any time, should a student feel they need to discuss a concern, the student is directed to the Office of the Dean of Students. The following procedures shall apply:

- Student initiates General Grievance via email to the Office of the Dean of Students at dos@holyfamily.edu. A response will be provided within three (3) business days.
- A meeting will be scheduled with the reporting student.
- The Office of the Dean of Students will make a determination for the appropriate process within which the grievance falls, if applicable. Examples may include, but are not limited to, Sexual Harassment & Nondiscrimination Policy, Student Code of Conduct, or the Academic Grievance.
- The Office of the Dean of Students will communicate directly with a reporting student regarding the reported matter. The University reserves the right to limit communication regarding specific outcomes or sanctions.

Distance Education Grievance Procedure

The National Council for State Authorization Reciprocity Agreements (NC-SARA) is a private nonprofit organization [501(c)(3)] that helps expand students' access to educational opportunities and ensure more efficient, consistent, and effective regulation of distance education programs.

If students wish to submit a complaint via their online experience and reside outside of Pennsylvania, you may do so by visiting this link: <https://nc-sara.org/sara-student-complaints-0>.

Section 504/ADA Grievance Procedures

Holy Family University prohibits discrimination on the basis of disability for faculty, staff, students, and visitors. Holy Family University has adopted an internal grievance procedure providing for prompt and equitable resolution of complaints by any member of the Holy Family University community alleging any action prohibited by Section 504 of the Rehabilitation Act of 1973 (§29 U.S.C. 794) of the U.S. Department of Education regulations implementing the Act, and the Americans with Disabilities Act, 1990 Title II & III (§42 U.S.C. 126). Section 504 and the ADA, Sections Title II & Title III prohibits discrimination on the basis of disability in any program or activity receiving Federal financial assistance. The Law and Regulations may be examined in the Office of the Dean of Students located in the Campus Center at the Philadelphia Main Campus.

Any participants, beneficiaries, applicants, or employees, including students, staff, faculty, and visitors who believe they have been subjected to discrimination on the basis of disability, or are unsatisfied with accommodations provided by the Office of Accessibility Services, may file a grievance under this procedure. It is against the law for Holy Family University to retaliate against anyone who files a grievance or cooperates in the investigation of a grievance. The Section 504/ADA Coordinator should be notified immediately if anyone associated with the grievance procedure is subjected to retaliation as a result of that person's participation in the grievance process.

Holy Family University has both informal and formal mechanisms in place to resolve concerns about disability discrimination, denial of access to services, accommodations required by law, or an auxiliary aid they believe they should have received ("disability-related issues"), such as:

- Disagreements regarding a requested service, accommodation, modification of a University practice or requirement, or denial of a request
- Inaccessibility of a program or activity
- Violation of privacy in the context of a disability

Informal Process

Holy Family University encourages anyone with concerns about a disability-related issue to first discuss the matter with the Office of Accessibility Services who will attempt to facilitate a resolution. Individuals are not required to pursue the informal process first and may engage the formal grievance process as their first step if preferred.

Office of Accessibility Services
Philadelphia Campus, Campus Center Second Floor
267-341-3388, accessibilityservices@holyfamily.edu

The Office of Accessibility Services will move forward in its best efforts to identify a resolution within ten (10) working days from the date the disability-related issue is raised. The Office of Accessibility Services may refer the matter to the Section 504/ADA Coordinator if deemed necessary, or if formal processes are required.

Should the complaint need to be made against the Office of Accessibility Services itself, a formal grievance may be filed as described below.

The purpose of the informal process is to make a good faith effort to resolve the issue quickly and efficiently; however, the individual may ask to implement the formal process at any time during the informal resolution or instead of the formal resolution.

Formal Grievance

A formal grievance must be filed with the Section 504/ADA Coordinator within 21 working days of the date of the Informal decision, if applicable, or within 30 calendar days of the occurrence of the disability-related issue.

Office of the Dean of Students
Philadelphia Campus, Campus Center, Second Floor
Section 504/ADA Coordinator
dos@holyfamily.edu

The grievance must be in writing and include the following:

- The grievant name, address, email address and phone number
- The grievant university ID number
- A full description of the situation
- A description of the efforts which have been made to resolve the issue informally, if any
- Any evidentiary items available
- A statement of the requested remedy, e.g. requested accommodation

If the grievance involves confidential medical information, the Section 504/ADA Coordinator will maintain the confidentiality of that information and will not release that information without the individual's permission, except as allowed by law.

Process

The Section 504/ADA Coordinator will review the grievance for timeliness and appropriateness under this grievance procedure and notify the grievant if the grievance has been accepted.

The Section 504/ADA Coordinator may commence an investigation. Should it be necessary, the Section 504/ADA Coordinator will select a trained investigator who will promptly initiate an investigation. The investigator will be an individual who is trained on disability or civil rights issues. In undertaking the investigation, the Section 504/ADA Coordinator or investigator may interview, consult with and/or request a written response to the issues raised in the grievance from any individual the investigator believes to have relevant information, including but not limited to faculty, staff, students, and visitors to Holy Family University. All parties will have an opportunity to provide the investigator with information or evidence that the party believes is relevant to his or her grievance. All parties involved will receive a fair and equitable process and be treated with care and respect. The investigator will respect the privacy of all parties.

The University will make every effort to complete an investigation within thirty (30) calendar days of the filing of the written complaint. At the request of the grievant, the Section 504/ADA Coordinator will determine whether the formal grievance process can and should be expedited. Informal resolution upon preliminary review may be recommended and reviewed by the complainant.

Findings and Notification

Within five (5) working days of the completion of the investigation, the investigator will make a recommendation regarding appropriate actions to be taken. The investigator will summarize the evidence that supports the recommendation, and the grievant will be advised in writing of the outcome of the investigation.

Appeal

Within five (5) calendar days of receiving the determination from the Section 504/ADA Coordinator, the grievant or the party against whom the grievance is directed, if any, may appeal the determination. To appeal, the party must file a written request for review with the Section 504/ADA Coordinator. The written request for appeal must be based on the grounds of improper procedure, or new evidence that was unavailable at the time of the investigation. The Section 504/ADA Coordinator will refer this appeal to the Dean of Students, or their designee, if the individual appealing the decision establishes standing for the appeal consideration.

The Dean of Students, or their designee, will provide the person appealing with a copy of the appeal written decision within five (5) calendar days of the filing of the appeal. The appeal decision will be the final determination of Holy Family University.

The individual also may file a complaint with the U.S. Department of Education, Office of Civil Rights, at any time before, during or after the University's Section 504/ADA grievance process.

Protection of the Individual and Campus Community

Non-Discrimination Statement

Holy Family University seeks to foster an inclusive and healthy educational and work environment based on respect, the dignity of each person and the oneness of the human family. The University prohibits harassment, discrimination, retaliation, and bias incidents in any form, including, but not limited to, those based upon race, color, religion, religious-expression, age, sex, sexual orientation, gender identity or expression, national or ethnic origin, ancestry, disability, marital status, military/veteran status, or any other characteristic protected by federal, state or local laws, in the administration of its educational policies, admissions policies, employment policies and practices, financial aid programs, athletic programs, and other school-administered activities and rights and privileges generally accorded or made available to employees and students at the University. Holy Family University is dedicated to ensuring an environment free of discrimination or harassment of any kind, and promotes equal opportunity and inclusion in its employment and education. All University employees, faculty members, students and community members are expected to join with and uphold this commitment to maintaining a positive learning, working, and living environment.

Title IX of the U.S. Education Amendments of 1972 ("Title IX") is a federal civil rights law that prohibits discrimination on the basis of sex in education programs and activities. All Holy Family University faculty, staff, and administrators are responsible for reporting actions that violate the provision of Title IX. Sexual harassment, which includes acts of sexual violence, is a form of sexual discrimination prohibited by Title IX. Under Title IX, discrimination on the basis of sex can also include sexual harassment which is defined as conduct on the basis of sex that satisfies one or more of the following:

- An employee of the College conditioning the provision of education benefits on participation in unwelcome sexual conduct (i.e., quid pro quo); or
- Unwelcome conduct that a reasonable person would determine is so severe, pervasive, and objectively offensive that it effectively denies a person equal access to the institution's education program or activity; or
- Sexual assault (as defined in the Clery Act), dating violence, domestic violence, or stalking as defined in the Violence Against Women Act (VAWA).

Any person may report violations of the nondiscrimination policy, including sexual harassment (whether or not the person reporting is the person alleged to be the victim of conduct that could constitute discrimination, sex discrimination or sexual harassment), in person, by mail, by telephone, or by electronic mail, using the contact information listed for the Title IX Coordinator, or by any other means that results in the Title IX Coordinator receiving the person's verbal or written report. Such a report may be made at any time (including during non-business hours) by using the telephone number, electronic mail address, or by mail to the office address listed for the Title IX Coordinator. The following person has been designated to handle inquiries regarding the non-discrimination policies and/or laws: Marianne Price, M.S., Title IX Coordinator; 9801 Frankford Ave., Campus Center, Philadelphia, PA, 19128; 267-341-3204; mprice@holyfamilly.edu.

Information regarding grievance procedures, how to report or file a formal complaint, and how the University will respond can be found at www.holyfamily.edu/title-ix. Retaliation will not be tolerated against any person for making a good faith report of discrimination based on that person's participation in any allegation, investigation, or proceeding related to the report of discriminatory conduct.

Inquiries about the application of Title IX may be referred to Holy Family University's Title IX Coordinator, to the Assistant Secretary, or both. The Assistant Secretary contact information is U.S. Department of Education, Office of Postsecondary Education, 400 Maryland Avenue, S.W., Washington, DC 20202, Main Telephone: 202-453-6914.

Family Educational Rights and Privacy Act (FERPA) Policy

Students have the right to inspect and review their education records within 45 days after making a request. The procedures for making such requests are available in the various offices where these records are maintained.

- Academic: Registrar, Holy Family Hall, Room 218
- Admissions: Undergraduate Admissions-ETC Room 105
- Financial Accounts: Office of Student Accounts, Holy Family Hall, Room 202
- Judicial Records: Residence Life and Dean of Students, Campus Center, Room 209
- Student Aid: Financial Aid, Holy Family Hall, Room 209

The student has the right to challenge the content of his or her educational record and may, if necessary, request a formal hearing on the matter.

For the purposes of this policy, a student is a person who has enrolled in and attended the University, and an education record is any record directly related to a student and maintained by the University or a party acting for the University, including the student's admissions, disciplinary, academic, financial, cooperative education, and placement files. Education records do not include records of instructional, administrative, and educational personnel which are the sole possession of the maker and are not accessible or revealed to any individual except a temporary substitute; records of Public Safety that were created by Public Safety for the purposes of law enforcement; student health/treatment records; employment records; or alumni records containing only information about an individual after they are no longer a student at the University.

For the purposes of this policy, personally identifiable information includes information that, alone or in combination, is linked or linkable to a specific student that would allow a reasonable person in the University community, who does not have personal knowledge of the relevant circumstances, to identify the student with reasonable certainty; or other information requested by a person who the University reasonably believes knows the identity of the student to whom the education record relates.

The University may disclose certain personally identifiable information, designated as directory information, concerning students in attendance. The following categories of information have been designated as directory information: *the student's name, address, telephone number, date and place of birth, major field of study, participation in officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance, degrees, and awards received, the most recent previous educational institution attended, and photos or videos of students participating in public events*. Any student who does not wish directory information released must so inform the Registrar's Office in writing; the hold on directory information will remain in effect until the student writes to request that it be lifted.

The University shall obtain the written consent of the student before disclosing personally identifiable information from the student's educational records, except under certain circumstances provided for by FERPA, as described further below. A record of all disclosure, other than to the subject student, will be maintained by the appropriate office and may be reviewed by the student.

Under FERPA, the University may disclose a student's education records, without consent, to the following parties or under the following conditions. This is not an exhaustive list; see 34 CFR § 99.31.

- University officials with legitimate educational interest;
- Other schools to which a student is transferring/seeks to enroll;
- Specified officials for audit or evaluation purposes;
- Appropriate parties in connection with the provision of financial aid to a student;
- Organizations conducting certain studies for or on behalf of the University (*i.e.*, to develop, validate, and administer predictive tests, to administer student aid programs, or to improve instruction), provided that individual identity of students is not made and the disclosure is restricted to the representatives of the organization that have a legitimate interest in the information;
- Accrediting organizations carrying out their accreditation function;
- To comply with a judicial order or lawfully issued subpoena;
- Appropriate parties in emergencies to protect the health or safety of students or other persons;

- To federal and state representatives of agencies specifically listed in FERPA;
- To a victim of an alleged crime of violence or a non-forcible sex offense, or to the alleged victim's next of kin (if the victim dies as a result of the crime or offense), with the final results of a disciplinary proceeding conducted by the University, regardless of whether the University concluded a violation was committed or not;
- To parent(s) or guardian(s) of a student under the age of 21 who has been found responsible for a violation of the Code of Conduct involving the use or possession of alcohol and/or other drugs; and/or
- To comply with the Solomon Amendment (requiring the disclosure of certain information to military recruiters)

Under FERPA, the records maintained by Health Services and Counseling Services are either treatment records or education records. Treatment records are records that are maintained by a physician, psychiatrist, psychologist, or other recognized health professional or paraprofessional acting in their professional capacity or assigned capacity that are made, maintained or used in connection with treatment. Health Services and Counseling Services maintain separate notices of privacy practices that describe how treatment records may be disclosed.

Student Rights Under FERPA – Right of Inspection and Review

As noted, current and former students have the right to inspect and review their education records within 45 days of the date that the University receives a request for access.

A request that identifies the education record(s) to be reviewed or inspected must be submitted in writing by the student to the University Registrar. The Registrar will plan for access to the records and will notify the student of the time and place where the records may be inspected.

Students do not have a right to review the financial records of their parents or guardians; materials to which they have waived their right of inspection and review, including confidential letters and recommendations associated with admission, employment, or job placement; or education records containing information about more than one student, in which case the University will permit access only to that part of the education record which pertains to the inquiring student.

Parents or legal guardians of students may establish their right to review a student's education records provided the parents or guardians can document the student's dependency as defined by the Internal Revenue Code of 1954, Section 152. The University's practice is to seek a student's release upon receiving such a third-party request.

Student Rights Under FERPA – Right to Request Amendment of Education Record

The University provides current and former students with the opportunity to request amendments to the contents of an education record which they consider to be inaccurate, misleading, or otherwise in violation of their privacy or other rights. Requests should be directed to the University Registrar, who will decide within a reasonable period of time whether corrective action consistent with the student's request will be taken. The student must be notified of the decision. If the decision is in agreement with the student's request, the appropriate record(s) must be amended. A student who is not provided full relief sought by their challenge must be informed, in writing, of the decision and their right to a formal hearing on the matter.

If, as a result of the hearing, the University decides that the information in the education record is not inaccurate, misleading, or otherwise in violation of the privacy rights of the student, it shall inform the student of their right to place a statement in their education record commenting on the contested information or stating why the student disagrees with the decision of the University. If the University places such a statement in the education record, it will maintain the statement with the contested part of the education record for as long as it is maintained and disclose the statement whenever it discloses the portion of the education record to which the statement relates.

Student Rights Under FERPA – Right to File a Complaint

Students have the right to file a complaint with the U.S. Department of Education concerning alleged failures by the University to comply with FERPA. The name and address of the office that administers FERPA is:

U.S. Department of Education
Family Policy Compliance Office
400 Maryland Avenue, SW
Washington, DC 20202-5920

Policy Prohibiting Harassment and Nondiscrimination

Holy Family University is committed to providing a workplace and educational environment, as well as other benefits, programs, and activities, that are free from Discrimination, Harassment, and Retaliation. Holy Family University has adopted the Policy Prohibiting Discrimination and Harassment in order to advance its goal of maintaining an environment free of Discrimination, Harassment, and related Retaliation.

Holy Family University values and upholds the equal dignity of all members of its community and strives to balance the rights of the parties in the grievance process during what is often a difficult time for all those involved.

- Title VII of the Civil Rights Act of 1964
- Title VI of the Civil Rights Act of 1964
- Title IX of the Education Amendments of 1972 ("Title IX")
- Section 504 of the Rehabilitation Act of 1973 ("Section 504")
- Americans with Disabilities Act (the "ADA")
- Age Discrimination in Employment Act of 1967 and Age Discrimination Act of 1975
- Pennsylvania Human Relations Act
- Pennsylvania Fair Educational Opportunities Act
- Other federal, state, and local laws (collectively, "civil rights laws")

Holy Family University encourages individuals who have been affected by Discrimination, Harassment, and/or Retaliation to promptly make a Report to Holy Family University using any of the reporting options described in its Policy. Holy Family University will respond promptly and equitably to all Reports of Discrimination, Harassment, and/or Retaliation, and will take appropriate steps to eliminate the behavior, prevent its recurrence, and address its effects.

Policy Prohibiting Harassment and Nondiscrimination and applicable Grievance Procedures are available in full for review and download at: <https://www.holyfamily.edu/current-students/title-ix/policy-prohibiting-harassment-and-nondiscrimination>

Protection of Human Subjects - Institutional Review Board (IRB)

Holy Family University requires that all research involving human subjects conducted by faculty, students, or staff affiliated with the University be reviewed and approved by the Institutional Review Board (IRB) prior to initiation, regardless of the source of funding and regardless of its federal status as an exempt, expedited, or a full review project. Research is defined by federal guidelines as a systematic investigation designed to develop or contribute to generalizable knowledge and should be distinguished from potentially similar activities such as employing innovative techniques and administrative data collection. Information regarding the IRB and appropriate forms may be downloaded from the University website.

Safety and Security Procedures

In accordance with both federal and Pennsylvania legislation, Holy Family University provides a publication regarding safety and security policies and procedures on campus. This publication may be obtained from the Public Safety Office. Holy Family also offers 24-hour security coverage through the Department of Public Safety. Security personnel may be reached through the use of the emergency telephones located in each academic building and parking lots or calling 267-341-3333.

Campus Assessment, Response, Evaluation (CARE) Team

The health, well-being, and safety of our University community is our greatest concern. Students are encouraged to access campus support services such as the Counseling Center, Health Services, the Office of Disability Services, Campus Ministry, Academic Advising, and the Center for Academic Enhancement, as needed.

Student behavior that violates University policy typically is resolved through the University's grievance procedure. However, when a student's behavior is determined by the University to present an immediate risk or substantial threat to cause bodily harm to them- selves or to others, the Dean of Students may refer to the University's Campus Assessment, Response, Evaluation (CARE) Team to address appropriate next steps in assuring the safety and security of the student and campus community.

The CARE Team has three primary functions. The CARE Team gathers information, analyzes this information through an objective set of standards or rubric, and then develops and engages in an intervention and assessment plan for any students of concern. In the event that a student has exhibited behaviors that are of concern to University administrators and/or community members, the CARE Team will assist the Dean of Students in assessing the care of any student of concern.

The key functions of the CARE Team include:

Educate the campus community about behaviors of concern.

Create a reporting and referral procedure for students of concern.

Provide support to faculty, staff, administration, and students in assisting individuals who display concerning or disruptive behaviors.

Serve as the central point of contact for individuals reporting concerning student behavior.
Accurately assess the risk posed by a report or series of reports.
Investigate, as necessary, a report to bring all available information to the Team for consideration.
Create and follow overarching principles and guidelines in the form of operational protocol to assure that each case is managed with consistency and effectively.
Coordinate follow-up and intervention.

The CARE Team has direct authority to take action and coordinate intervention, without University delay. Direct authority by the CARE Team may include recommendations for interim suspension actions, to enact recommendation for timely warnings, to enact recommendation for emergency notification, to enact recommendation for mandatory psychological assessment, and to recommend initiation of involuntary leave. As safety permits, a student will be required to meet with the Dean of Students and/or a designee to identify options to mitigate behavior that may threaten the safety of the student, others, and/or University community. During this meeting, the student will have the opportunity to discuss the CARE Team procedures.

CARE Team procedures and recommendations will be implemented if it is determined that a student poses an immediate risk of danger or substantial threat to themselves, or to others, and/or the behavior causes an imminent threat of disruption of, or interference with the normal operation of the University.

As safety permits, after consulting with the University CARE Team, the Dean of Students, or their designee, determines if the recommendations are sufficient and will move forward with implementation. The Dean of Students will take all reasonable steps to contact the parents or legal guardian (if necessary) of a dependent student, and/or any University authorities deemed necessary. The University may direct the student to remove themselves from campus (i.e., all classes, residence halls/buildings, and all University activities) until the University is satisfied the student no longer presents an imminent or substantial threat to themselves, or to others.

During the period the student is off campus, the student may be required to meet with the Director of the Counseling Center for a full evaluation. The evaluation must be based on the behavior, actions, and statements related to the imminent risk, as well as current medical knowledge to determine the nature, duration, and severity of risk.

After determining that the student is no longer an imminent threat to themselves, others, or to the University community and the normal operations of the University, the Dean of Students will authorize the student to return to the campus and participate in activities. The student's eligibility for continuation on campus will be dependent upon their subsequent behavior and the absence of any renewed threat of harm or disruption on campus.

In some cases, interim leave or permanent withdrawal of the student from the university may be recommended and/or required. In no case will a student's mental or physical condition itself be the basis for withdrawal by the University.

The CARE Team procedures do not take the place of the University grievance processes. Should the behavior violate the University Code of Conduct or University policies or regulations, the student may be subject to the necessary adjudication process, as deemed appropriate.

Academic Life

Admission to the University

Admission to Holy Family University is selective. In its evaluation of the applicant's credentials, the Admissions Committee examines many different factors, some of which are listed below. The committee is more interested in the quality of a student's work and in the general promise and seriousness of purpose than in merely counting units in specifically required preparatory subjects. Emphasis is placed on the applicant's academic record, potential and interest, personal integrity, and on the desire to pursue a liberal arts education as defined in the aims and objectives of Holy Family University. Neither religious affiliation nor ethnic characteristics influence the granting of admission.

Merit scholarships may be awarded to new, full-time incoming undergraduate students in their first undergraduate degree program in our traditional programs based on the student's academic record. For more information about qualifications, contact the Admissions Office at 215-637-3050 or admissions@holyfamily.edu.

Criteria for Admission* - Freshman

- Proof of graduation from an accredited high school or equivalent
- Completion with satisfactory grades of 16-units of high school work distributed as follows:

English	4 units
History	2 units
Mathematics	3 units
Modern Foreign Language **	2 units
Science	2 units
Electives	3 units

All majors should complete a full year of Algebra I and II and Geometry.

Students planning to major in Mathematics, Nursing, Radiologic Science, or Science are expected to have completed the following high school courses****:

- Mathematics–Trigonometry
- Nursing–Biology, Chemistry, a science elective, and three units of Social Studies (History)
- Radiologic Science–Science, Math, and Chemistry or Physics
- Science–Biology, Chemistry and Trigonometry.

* *Exceptions to any of these criteria can be made at the discretion of the University authorities.*

** *Students without the foreign language requirement may be admitted to the University and will be placed in the introductory level of a language.*

*** *Students who have not completed any of these courses will be advised to take the appropriate University courses.*

**** *Students interested in the Associates Degree in Radiologic Science have additional admission requirements. Please see the academic program page in the catalog for more information.*

Application Process - Freshmen

Application to Holy Family University can be made any time after successful completion of the Junior year of high school. Procedures for this process are as follows:

- Submit the application
- Have an official high school transcript sent directly to the University
- Request a letter of recommendation from a teacher, principal, counselor, or an employer (*optional*)

Applications to the University are accepted throughout the year. However, early application is strongly encouraged since certain programs may only be able to admit a limited number of students. Requests for admission are reviewed within one week of the receipt of the credentials listed above.

Criteria for Admissions - Transfer Students

Students may be admitted to the University by transfer from other colleges and universities. These applicants will be admitted to advanced standing only upon completion of all required documentation. Upon presentation of the credentials, the applicant is admitted with Freshman, Sophomore, or Junior status. Only credits applicable to the program of study will be considered for transfer. With this stipulation, courses in which the applicant has earned a minimum grade of "C" at an accredited institution of higher learning within 10 years of application to Holy Family may be accepted. Courses over 10 years may be accepted but are subject to review. Holy Family will accept a maximum of 90 credits from coursework completed outside of the University.

Accepted students must complete a minimum of 30 credits in coursework at Holy Family including requirements in the area of specialization, core requirements, the comprehensive examination, and/or any special examinations. A minimum 2.0 GPA must be maintained for the additional credits earned. The minimum GPA may vary by program (e.g., Education, Nursing). Specific program requirements should be consulted for relevant information.

Application Process – Transfers for Traditional Programs

- A completed application
- An official high school transcript* and official transcripts from all other colleges, universities, and post-secondary schools attended.
- One letter of recommendation, preferably academic or professional. (optional)

** Second Degree and Post Baccalaureate Teacher Certification applicants do not need to submit high school transcripts.*

Application Process – Transfers for Accelerated Programs

- A completed application
- Official transcripts from all colleges, universities, and post-secondary schools attended.
- Writing Sample/Essay
- Copy of RN License (RN to BSN Applicants Only)

All materials, including official transcripts, must be submitted prior to matriculation in the program.

Any demonstrated falsification or misrepresentation of materials submitted during the application process will result in dismissal from the University. Failure to disclose previously attended institutions will result in denial of admission or dismissal from the University.

All transcripts become the permanent property of the University.

NOTE FOR ALL APPLICANTS: Applications not activated within a two-year period will not be retained. After this time, a new application process must be initiated.

Verification of Transcripts: All final, official transcripts must be submitted to HFU directly from the sending institution or a service provider for every degree seeking enrolled student. If the validity of the transcript is questioned, HFU will reach out to the sending institution directly to confirm the transcript received is authentic, official, and an accurate representation of the student's academic credentials.

Special Categories of Admission

International Students

This school is authorized under Federal Law to enroll nonimmigrant alien students. International students seeking to study full-time at Holy Family University must present the credentials and admission forms required of all applicants. All foreign transcripts must be evaluated by one of the members of the National Association of Credential Evaluation Services (NACES) before being admitted. International students must demonstrate strong English proficiency as evidenced by scores from the Test of English as a Foreign Language (TOEFL), SAT I Test, or ACT Test and satisfactory achievement in their preparatory studies. If students have completed prior education in the United States, the English proficiency tests may be waived. In addition, the student must meet all academic responsibilities and must demonstrate financial capability before arriving in the United States. After the Admissions Office receives and reviews all the necessary documents required for acceptance, a letter of acceptance from the Admissions office may be issued. Because of the complexities involved in the admission of international students, all must apply well in advance of the anticipated date of enrollment, preferably at least 5 months prior to the desired start semester.

Part-Time Matriculated Students

The designation part-time matriculated student applies to those degree-seeking traditional and non-traditional students who qualify for official degree candidate status but are enrolled for fewer than 12 credit hours per semester. The application procedures completed by these students are the same as those for full-time students. Those applicants who intend to pursue a degree but have not been formally accepted into a degree program may not complete more than 12 credits part-time before seeking matriculation. To attain matriculated status (i.e., official acceptance as a degree candidate), the student's academic credential file must be complete and the student must complete an academic review. Non-matriculated students are not eligible for any form of financial aid.

Admission and Classification of Non-Matriculated Undergraduates

Non-Degree Seeking Students

This includes those who are taking credit courses for enrichment purposes rather than for a degree. The criteria for admission to Holy Family for non-degree seeking students are principally the applicant's ability to meet the educational standards of the institution, the intellectual interest and training of the applicant, and the applicant's motivation to pursue studies within the scope of the aims and objectives established by the University. An official high school transcript is required for any high school student in this category. Those seeking professional certification in Education must submit all college transcripts and complete a review process by the School of Education for acceptance to any teacher certification program. No more than 12 credits may be completed under non-degree status.

Visiting Students

Visiting students are those pursuing a degree at colleges or universities other than Holy Family. Students should complete a "Visiting Student" application via the Holy Family website. Regular tuition and fees of Holy Family University apply.

High School Students

High school students are welcome to enroll for credit courses at Holy Family University, but they must secure written authorization from the school's principal or counselor before enrolling for courses. This letter of authorization is presented to the Registrar's Office at the time of registration. Regular tuition and fees of Holy Family University apply.

Senior Citizens

Delaware Valley residents age 65 years or older may audit one credit bearing course tuition-free (per semester). They pay all applicable course fees and are admitted on a space available basis. This courtesy applies to audit/non-credit enrollment only. Registration is usually held one week prior to the start of courses at the Philadelphia Campus. Please consult the Registrar's Office for additional details.

Readmission to the University

A student who has not enrolled for courses for one year or who has voluntarily withdrawn from the University must apply for readmission in order to continue his or her studies. All transcripts will be evaluated to maximize credit applicability to the academic program. Transcripts from institutions attended during the interim and the application for readmission should be submitted to the Graduate Admissions Office. Credits of those seeking readmission will be evaluated on a case-by-case basis in consultation with the appropriate School Dean where required. Returning students will be accepted into the current academic catalog requirements unless otherwise noted.

Additional criteria apply for readmission to the program in Radiologic Science and Nursing. Candidates for readmission to these programs will be contacted directly concerning any additional processes and criteria.

Academic Forgiveness Policy

The University's Academic Forgiveness policy applies only to undergraduate students. Students who have been withdrawn from the University for a minimum of three (3) years are eligible to apply for a one-time academic forgiveness adjustment of all "D" and "F" grades. Students should submit a letter of petition for academic forgiveness at the time the application for readmission is made to the University. The petition for academic forgiveness will be considered upon the completion of 12 credits after readmission with the condition that no grade earned during the 12 credits is less than a "C" and that the term grade point average (GPA) for each term of the 12 credits is no less than 2.0. Grades of "C" and above will apply to degree requirements (as appropriate) and the GPA. Grades of "D" and "F" will appear on the transcript but are not included in the calculations and need to be retaken if applicable to the degree program. Recipients of academic forgiveness are eligible for academic honors as earned.

Petitioners are advised that academic forgiveness does not apply to all academic programs nor does it guarantee acceptance into a specific degree program. Academic forgiveness adjustments may not be recognized by institutions outside of Holy Family University and they may affect financial aid eligibility.

List of Academic Programs

Bachelor of Arts degree programs include:

- Accounting
- Applied Computer Science
- Applied Studies
- Art*
 - Concentrations in:
 - Studio Art
 - Art Education*
 - Graphic Design-Marketing
 - Pre-Art Therapy
- Business Administration
- Business Analytics
- Computer information Systems
- Criminal Justice
- Cybersecurity Administration
- Cybersecurity and IT Management
- Education
 - Concentrations in:
 - Pre-K-4
 - Pre-K-4/Special Education PK-12
 - Special Education PK-12
 - Secondary Education
- English*
- Healthcare Administration and Management
- History*
- Interdisciplinary Humanities
- Marketing
- Mathematics*
- Neuroscience
- Philosophy, Political Science, Economics, and Sociology
- Professional Sales and Marketing
- Psychology
- Religious Studies
- Sport Marketing Management
- Supply Chain Management

**See Secondary Education options under Teacher Certification*

Associate of Arts degree programs include:

- Associate of Arts in Early Childhood Education
- Associate of Arts in Interdisciplinary Studies
- Associate of Arts in Business Administration (Restricted to Dual Enrollment students)

Bachelor of Science degree programs include:

- Biochemistry
- Biology
 - Concentrations in:
 - General Biology
 - Pre-Medicine
 - Pre-Physical Therapy
 - Pre-Physician's Assistant
 - Medical Laboratory Science
- Biotechnology
- Exercise Science
- Integrated Health Promotion
- Nursing Prelicensure (BSN)
- Nursing (RN-BSN Track) Accelerated Program – Accelerated Programs
- Radiologic Science (BSRS)

Post-primary non-degree certificate tracks include:

- Computed Tomography (CT)
- Magnetic Resonance (MR)
- Vascular Interventional (VI)
- Mammography (M)
- Post-Baccalaureate Second Degree Nursing Pathway
- Child Life Specialist

Associate of Science degree programs include:

- Health Sciences (AS)
- Radiologic Science (ASRS)

Teacher Certification programs - are available for those seeking post-baccalaureate certificate options as well as for those seeking initial degrees. These programs include:

- Pre-K-4
- Special Education
- Secondary Education:
- Art (K-12) - undergraduate only
- Biology
- English
- History/Social Studies
- Mathematics

Minors

Students have the option of a minor concentration, either to enhance the major or to serve as another area of complementary study. A minor requires 18 – 24 credits or six courses in a given discipline. Minor concentrations must be developed in consultation with a faculty advisor and approved by the Dean of the School in which the minor is offered. Optimally, the decision to declare a minor concentration should be determined in the Fall semester of the Sophomore year. In a declared minor structured by the University, only six credits may be transferred from another institution.

Minors in the School of Arts and Sciences:

- Actuarial Science
- American Studies
- Applied Behavior Analysis
- Art-Studio
- Chemistry
- Childhood Studies
- Child Life Specialist
- Creating Writing
- Criminal Justice
- English
- Environmental Science
- Forensic Science
- Health Humanities
- Gerontology
- History
- Integrated Health Promotion
- Mathematics
- Mental Health Services
- Natural Science
- Philosophy
- Political Science
- Pre-Law
- Second Degree Nursing Pathway
- Psychology
- Religious Studies
- Sociology
- Spanish

Minors in the School of Business and Technology:

- Business Administration
- Business Analytics
- Computer Information Systems
- Cybersecurity Administration
- Digital Marketing

Minors in the School of Education:

- Education

Special Studies Options

Dual Majors – A student who has been accepted into a degree program and wishes to earn another degree in a second area of study must have a minimum grade point average of 3.0. At least 24 credits must be unique for each major. Written permission to pursue this second degree must be granted by the Vice President for Academic Affairs and the Dean of each major. Students will be required to complete all of the major courses in addition to the required general education courses required by both degrees. General education courses completed in the primary degree do not need to be repeated. The student must meet all minimum grade requirements of both degree programs. This policy does not apply to our combined programs (e.g., '4+1' or '4+2' programs).

Second Degree – Holy Family graduates may be awarded a second degree in a field or concentration different from that of the first degree upon fulfilling the following requirements:

- Completion of all requirements for the first degree.
- Completion of a minimum of 30 additional semester hour credits (post-baccalaureate) in addition to the credits earned in the first-degree program.
- Maintenance of a 2.0 GPA (2.75 for Nursing and 3.0 for Education) for the additional credits earned.
- Completion of all other requirements for the second degree, including area of specialization, general education core, comprehensive examination, and/or any special examination(s) such as GREs, NTEs, etc.

Academic Services

Office of Academic Success and Integrated Services (O.A.S.I.S.)

The Office of Academic Success and Integrated Services (O.A.S.I.S.) is your central resource within Academic Affairs, designed to empower you throughout your academic journey. We offer a comfortable and supportive space where you can easily locate essential resources, address any challenges you might face, and receive personalized coaching to help you thrive in college. O.A.S.I.S. consolidates several key offices, including Academic Technology Services, the Office of Holistic Academic Advising and Tutoring Services, the Office of Accessibility Services, Retention and Persistence, and the Online Learning Office, ensuring comprehensive support for your success. We're here to help you navigate your academics and achieve your full potential.

Tiger Orientation Immersion Day

Tiger Orientation Immersion Day is designed for incoming HFU Tigers and their families to visit campus, meet faculty and staff, and engage with college life. This event allows students to tour lecture halls, classrooms, simulation labs, and residence halls, experiencing the campus atmosphere firsthand. It's an opportunity to connect with professors, student mentors, and future classmates, and to learn about athletic teams and various academic and student support services. Families can also gain valuable information on financial aid, student accounts, campus safety, and academic expectations.

Tiger Launch Day

Launch Day is all about helping our newest Tigers feel prepared, connected, and confident as they begin their college journey. Before classes start, the entire Holy Family community—faculty, staff, and fellow students—comes together to welcome and support our incoming students. It's a day focused on sharing important academic expectations, building connections, and making sure students have the tools they need to succeed both in and beyond the classroom. Launch Day sets the tone for a smooth transition into college life and a strong start at Holy Family University.

Academic Policies

Academic Affairs Policy on Generative AI or any Large Language Model (LLM) Use

Holy Family University's mission is rooted in the Catholic Intellectual Tradition of faith and reason. It aims to educate the whole person—mentally, spiritually, emotionally, and morally. We are committed to academic excellence, fostering lifelong learning, cultivating ethical reasoning, and preparing students to lead meaningful lives and future-ready careers. As generative AI tools become more accessible and impactful, we affirm their thoughtful, ethical, and purposeful use aligned with our values of integrity, respect, and responsibility.

1. Purpose

The purpose of this policy is to establish clear guidelines for the ethical, transparent, and responsible integration of Artificial Intelligence (AI) technologies within the academic environment.

2. Scope

This policy applies to all HFU students, faculty, and staff engaged in academic activities across Philadelphia and Newtown campuses, including coursework, research, assessment, tutoring, and academic support services.

3. HFU Mission Alignment

This policy supports HFU's goal of forming persons of integrity who responsibly pursue truth, embracing generative AI to enhance teaching, stimulate thinking, promote accessibility, and reimagine learning within academia. By advocating for a critical examination of AI's potential to foster connections and improve educational experiences, HFU underscores that informed AI use is essential to pursuing knowledge through faith and reason and preserving the institution's moral fabric.

4. Definitions

- a. Generative AI Tools / Large Language Models (LLMs): Software that generates text, images, or code from prompts (e.g., ChatGPT, Bard, Gemini, Claude, DALL·E, Stable Diffusion).
- b. Consultation: Querying a generative AI to support idea generation, drafting, or problem-solving. This is similar to the process of seeking human assistance unless otherwise specified.
- c. Substantial Use: Employing AI to complete significant portions of an assignment or exam without original student analysis or input.
- d. Disclosure: Clearly acknowledging any non-incidental assistance from generative AI in submitted work (e.g., "This section was drafted with the assistance of ChatGPT.").

5. Policy Principles

a. Default Treatment

Absent explicit instructor permission, using or consulting with generative AI is treated as assistance from another person, and using AI to substantially complete assignments or exams is prohibited. Unauthorized use is treated as a violation of academic integrity policies.

b. Academic Integrity and AI Use

Students and faculty must adhere to the University's Academic Integrity Policy.

- a. All use of generative AI (e.g., ChatGPT, Gemini, DALL·E) in academic work must be clearly disclosed and properly cited.
- b. Submitting AI-generated work as one's own without explicit permission from the instructor within the course constitutes plagiarism and academic dishonesty.
- c. The consequences for violations of academic integrity, plagiarism and academic dishonesty are outlined in the Student Handbook.

c. Faculty Expectations

- a. Clearly state expectations around AI use in course syllabi and on Canvas.
- b. For any graded assessment or opportunity, specify whether the use of AI tools is permitted. If allowed, give guidance on which tools may be used, for which specific assignments and the appropriate manner in which the tool may be used.
- c. Provide clear instructions on how to acknowledge the use of AI in their work according to the disciplinary standards such as APA, MLA or other relevant citation styles.
- d. Model responsible use of AI in teaching and adhere to ethical use of AI in all areas of faculty work.
 - Examples of use may include but not limited to:
 - i. Brainstorming or idea generation
 - ii. Outlining and drafting support

- iii. Grammar and citation assistance
- iv. Case studies and/or lesson plans

d. Student Responsibilities

- a. Use AI tools to support your learning, but not to replace your own critical thinking, analysis, or original work.
- b. Review course syllabi for instructor-specified AI guidelines for each assignment before using any generative AI tool.
- c. Disclose all non-incidental AI assistance in submitted work by citing properly.
- d. Cite the use of generative AI tools, following the citation standards of their academic discipline (American Psychological Association (APA), Modern Language Association (MLA), etc.).
- e. Do not use AI to impersonate self in class discussions, complete group work assigned to you, or bypass assignment requirements.
- f. Comply with HFU's Academic Integrity standards; unauthorized AI use results in disciplinary action as per the academic integrity policy.

e. AI Governance Committee & Ongoing Review

This policy will evolve as technologies and best practices develop. A committee with representatives from Academic Affairs, IETI, faculty, and students will coordinate resource development, training, implementation, and review and update this policy annually. We welcome feedback from our academic community and remain committed to fostering a culture of trust, innovation, and accountability.

Classification of Students

Degree Seeking Registrants

Semester and session registration dates and times are made available on the Registrar's webpage and the main page of Self-Service. Continuing students register online via Self-Service after having met with their advisors. Students registering for the first time at Holy Family and newly readmitted students meet with an advisor in the Office of Holistic Academic Advising during published office hours during the registration period designated for their status. Academic and Faculty Advisors assist students in course planning and selection, however, all students are responsible for observing the necessary prerequisites and co-requisites as well as selecting courses necessary to fulfill concentration requirements in their proper sequence. Ordinarily, degree completion will be affected when/if students fail to enroll in regularly scheduled required courses in their degree programs. Information concerning registration can be found on the Registrar's webpage and the main page of Self-Service, both accessible from the University's homepage, www.holyfamily.edu.

Matriculated Students

Those students who have been formally admitted to a program of study leading to the award of a Baccalaureate or Associate Degree are considered to be matriculated students. To attain matriculated status, i.e., official acceptance as a degree candidate, the student's academic credential file must be complete and the student must complete an academic review. A non-matriculated student may not take more than 12 credits of study before matriculation is sought. Non-matriculated students are not eligible for financial aid. Students are bound by program requirements in effect at the time of matriculation.

Full-Time Students – Students who are taking 12 credits or more per semester.

Part-Time Students – Students who are taking fewer than 12 credits per semester.

Freshmen – Students who have met all admission requirements and who have completed fewer than 30 semester credits of University work.

Sophomores – Students who, at the beginning of any semester, have completed at least 30 but fewer than 59 semester credits of University work.

Juniors – Students, who at the beginning of any semester, have completed at least 60 but fewer than 89 semester credits of University work.

Seniors – Students who, at the beginning of any semester, have completed at least 90 semester credits of University work.

Non-Degree Seeking Registrants

Students visiting from another college or university or anyone taking a course for personal enrichment should complete a "Visiting Student" application via the Holy Family website, www.holyfamily.edu.

Non-Matriculated Students

Included in this category are qualified capable high school students, visiting students from other colleges and universities, post-graduate students working for certifications, and those studying for enrichment purposes. Should a non-matriculated student begin work for a degree, he or she must complete the standard process for admission described previously in this chapter.

Degree Requirements

Associate of Arts Degree Requirements

- Completion of at least 60 credits of academic work
- Cumulative index or GPA of at least 2.0* ("C" average); program requirements vary
- Completion of the required courses in the general education core
- Completion of the specific requirements in the field of concentration. A minimum of 24 Holy Family University credits must be completed to earn the AA degree in Education.
- Payment of all bills and the return of all equipment and library materials
- Completion of Application for Graduation in Self-Service, see the Academic Calendar for deadlines

Associate of Science Degree Requirements

- Completion of at least 60 credits of academic work
- Cumulative index or GPA of at least 2.3 ("C+" average); program requirements vary
- Completion of the required courses in the general education core
- Completion of the specific requirements in the field of concentration with a minimum cumulative index or GPA of 2.3 and a minimum grade of "C+" in each course
- A minimum of 28 Holy Family University credits must be completed to earn the ASRS degree.
- Payment of all bills and the return of all equipment and library materials
- Completion of Application for Graduation in Self-Service, see the Academic Calendar for deadlines

Baccalaureate Degree Requirements

The following are the basic requirements for graduation; in some programs, several of these are modified. The responsibility for meeting all requirements in any concentration rests with the student:

- Completion of at least 120* semester hour credits of academic work
**certain concentrations or programs may increase the number beyond 120.*
- Cumulative index or GPA of at least 2.0* ("C" average)
**program requirements vary, see schools for listing of these requirements.*
- Completion of the required courses in the general education core curriculum
- Completion of the specific requirements in the field of concentration with a minimum grade of "C" in each course;
**schools reserve the right to exact additional specific requirements. See schools for listing of these requirements*
- Attainment of a minimum grade of "C" in the comprehensive examinations
- Completion of a minimum of 30-45 credits in coursework at the University. (Challenge courses do not constitute coursework completed in this minimum number of credits)
- Payment of all bills and return of all equipment and library materials
- Completion of Application for Graduation in Self-Service, see the Academic Calendar for deadlines

Comprehensive or Senior Examinations

Comprehensive examinations provide an incentive for the retention of knowledge beyond the termination of a single course, stimulate more purposeful learning and correlation of ideas, and lead students to an integrated mastery of their field through review, organization, and summary of all their knowledge in that area. Comprehensives may be oral as well as written and may consist partially of a research paper or other project. The nature and time of administration of the comprehensive examination is determined by each of the respective schools.

In the event of failure, a partial or complete re-examination will be permitted for those students who are in all other respects eligible for graduation. Graduation may be delayed in the event of a failing grade on the comprehensive examination. Refer to each program description for additional information. Results of comprehensive examinations are submitted in writing by the School Dean or designee to the Registrar.

Timeline for Degree Completion

The maximum time frame for completing degree requirements is six years for full-time study and 12 years for part-time study. Financial aid will not be available beyond this maximum time frame. See time-related restrictions that apply to University-sponsored scholarships, grants, and discounts, in the Financial Information section or in the specific academic programs section.

Transfer and Advanced Placement Credit

Transfer Credits – Students may be admitted to the University by transfer from other colleges and universities. These applicants will be admitted to advanced standing only upon completion of all required documentation. Upon presentation of the credentials, the applicant is admitted with Freshman, Sophomore, or Junior status. Only credits applicable to the program of study will be considered for transfer. With this stipulation, courses in which the applicant has earned a minimum grade of “C” at an accredited institution of higher learning within 10 years of application to Holy Family may be accepted. Courses over 10 years may be accepted but are subject to review. Up to a maximum of 90 credits may be accepted from an outside institution. The total number of transfer credit and non-institutional credit (e.g. CLEP, AP, Dantes, etc.) may not exceed 90 credits. Transfer credits will be officially posted to the student’s record after matriculation. Transfer credits will not be accepted for any course completed at Holy Family University and subsequently repeated at another University.

Students who have earned an associate’s degree or higher at an institution of higher learning prior to initial enrollment at Holy Family are eligible for up to 42 credits in core courses in transfer. Courses in the major or prerequisite courses will be required and vary from program to program. All courses will be evaluated for program requirement fulfillment to maximize transferability.

The number of credits that an accepted student must complete (including requirements in the area of specialization, core requirements, the comprehensive examination, and/or any special examinations) depends upon the total number of credits required for the degree. A minimum 2.0 GPA must be maintained for the additional credits earned. The minimum GPA may vary by program (e.g., Education, Nursing). Specific program requirements should be consulted for relevant information.

Advanced Placement Study – Holy Family participates in the Advanced Placement Program of the College Entrance Examination Board. High school students who have taken college level courses and the board’s advanced placement examination submit the official test scores to the University. Students who have achieved a score of 3 or higher are eligible for consideration for credit at the discretion of the Vice President for Academic Affairs or designee. These incoming students receiving advanced placement credit are required to take the normal credit load for the semester.

International Baccalaureate – Holy Family University will consider for credit for advanced placement International Baccalaureate courses with Higher-Level examination results of 5, 6, or 7. Courses meeting these criteria will be accepted if they are applicable to the student’s program of study.

Official International Baccalaureate transcripts should be directed to:

Registrar’s Office – HFH 216
Holy Family University
9801 Frankford Avenue
Philadelphia, PA 19114-2009

Pre-Matriculated College Credit – If a student took college-level courses while enrolled in high school, the student may be able to transfer the credit to Holy Family University. Only courses taken at a regionally college or university with grades of C or better are accepted for transfer, and all college-level work will be evaluated in accordance with Holy Family University transfer policy. The student must have an official college transcript sent directly to the Admissions Office in order for the transfer credit to be evaluated.

Credit for Non-Traditional Learning

Holy Family University recognizes and awards up to 30 credits for each or any combination of the following non-traditional programs. These credits are included in the maximum number of 90 credits eligible for transfer toward degree completion.

Challenge Examinations

With the permission of the respective School Dean and notification of the Registrar, students who have acquired knowledge and skills in non-traditional ways may receive credit through challenge examinations. These are tests formulated by the instructor and made available in certain schools. These tests may be written or oral, or a

combination of both, and are designed to ascertain that the student possesses the basic equivalent knowledge and skill as a student who successfully completes the course.

The following restrictions apply to challenge examinations:

- No more than 30 credits may be earned through challenge examinations
- Not all courses are available on a challenge basis
- Preparation for challenge examinations must be done independently; students may not audit the respective course.
- Students who have received permission to take a challenge examination must:
- Register with the School offering the Challenge Exam before the conclusion of the semester drop/add period.
- Pay the non-refundable fee of 1/3 credit hour charge.

The student will receive a Pass/NG grade for each examination. These grades do not carry quality points and are not reflected in the cumulative average. If any challenge examination is failed, the student must take the course in order to receive credit.

Students will initiate the request to take a challenge examination by completing the Challenge Examination Request Form in the Dean's office in which the course is located.

College Level Examination Programs (CLEP/DSST Program)

The option to challenge courses through the College Level Examination Program or the DSST Program is available. It is advisable, however, to consult first with an academic advisor regarding the subjects, the number of credits, and the scores that the University will accept through these examinations. Credit is awarded by transcript entry only after the student has been matriculated at Holy Family with a GPA of 2.0 or above. At the time of this examination, arrangements should be made to have official scores forwarded to the Academic Advising Center. The School of Nursing uses the ACT-PEP examination to validate prior knowledge.

Non-Collegiate Training

Holy Family subscribes to the recommendations of the American Council on Education for college credits earned through the training programs offered and/or sponsored by non-collegiate training programs that have been evaluated for college credit by the American Council on Education's National Guide to Educational Credit for Training Programs. Such credit will be considered as equal to credits earned at other regionally colleges and universities and accepted through transfer by Holy Family University.

Credit for Prior Learning Assessment (Portfolio Review)

Enrolled students who feel they have learned specific subject matter through prior work experience may petition to receive credit for this experience through a Portfolio Review Process. Prior learning credit cannot be awarded for life experience alone; credit is granted only for documentable learning that has occurred through that experience. Students must have completed 6 credits before requesting a portfolio review. To request a portfolio review, the student should first meet with a faculty mentor from the school in which the course is located to review the student's prior work experience and compare these experiences to learning outcomes for specific courses. Students whose work experience fits with course outcomes initiate the request for a portfolio review by completing the *Portfolio Review Request* form and paying the associated non-refundable portfolio review fee. Students have one semester to work with their faculty mentor(s) to submit the portfolio. At the completion of the semester, the faculty member makes a recommendation to the Dean regarding credit to be awarded. Credit earned through portfolio review will earn a grade of "P" (Pass). These grades do not carry quality points and are not reflected in the cumulative average. If students do not complete or earn credit through the portfolio review, nothing is recorded on the transcript. Not all courses are eligible for credit through portfolio review. Students can only attempt a portfolio review for a given course once.

Credit for Experiential Learning

Experiential Learning is a professional work opportunity meant to enhance academic coursework and to bridge the gap between academics and a student's entry-level job after graduation. The Career Development Services, located in the Campus Center, offers opportunities for all majors in the School of Business and Technology, the School of Arts and Sciences, and the Integrated Health Promotion program. Students are encouraged to make an appointment with their advisor, who will guide them through the experience.

Credit for Study Abroad

Holy Family University encourages qualified students to study abroad if such study seems likely to contribute to their educational objectives. Students must plan their program with their Academic Advisor and School Dean and submit the program to the Vice President for Academic Affairs for final approval. This procedure is necessary if academic

credit is to be granted for study abroad. If students enroll for approved courses at colleges or universities abroad, transfer credit will only be awarded for courses in which a minimum grade of "C" is earned. Grades earned at institutions abroad will not be included in the calculation of the student's grade point average. Various options are available for semester-long as well as single course study abroad experiences. Information concerning Holy Family Study Abroad programs may be obtained from the Vice President for Academic Affairs or the respective School Dean.

Credit for Off-Campus Studies

Coursework may be taken at other two or four-year institutions by students matriculated and in good academic standing at Holy Family University. This coursework will not be accepted for credit unless the student has obtained advance written approval from the School Dean (courses in the area of concentration only) and the Dean of the School of Arts and Sciences (courses in the general education core and/or offered by the School of Arts and Sciences). Students must use the Credit For Off-Campus Studies for Matriculated Students Form prior to enrolling in the course. Credit is transferred only for a minimum grade of "C" or better. Grades obtained at other colleges or universities are not included in calculations of the cumulative grade point average. Students may take no more than 16 credits during the summer terms only at other two or four-year institutions.

Online Consortium of Independent Colleges and Universities (OCICU)

Students with a cumulative grade point average of 3.0 may, when necessary, request permission to take an online course through OCICU. Courses taken through OCICU count as Holy Family credit and the earned grades are calculated into the semester and cumulative grade point averages. In some instances, the institution offering the course utilizes a grade scheme different than that of Holy Family University. In these instances, the Registrar will assign the grade to the course that most closely adheres to the Holy Family University undergraduate grade scheme. Students begin the approval process with their academic advisor and must have the permission of the Dean of the school in which the course is offered and the Dean of the school of their major. Students enrolled in OCICU courses agree to abide by the course dates of the offering institutions.

Partnership with Rize Education

Certain courses within the School of Business and Technology as well as within the Nutrition major in the School of Nursing and some general education courses are offered through a partnership with Rize Education and are noted as such in the course descriptions. These courses are all offered in an online, asynchronous format and Holy Family students take these courses alongside students from other universities that participate in the LCMC consortium. All courses have been vetted through Holy Family University's standard faculty governance processes and are assessed using the same methods as courses taught by Holy Family University faculty. Students who successfully complete these courses earn Holy Family University credits that are applied toward their degree.

Academic Procedures

Academic Advising

Holy Family University offers comprehensive academic advising designed to meet the needs of diverse cohorts of students.

1. The Office of Holistic Academic Advising, is staffed by professional academic advisors trained in holistic advising, serving the following student cohorts,
 - a. Incoming First-year and Transfer students through their Sophomore year
 - b. Undeclared students enrolled in the Design Your Future program
 - c. Diocesan Scholar students
 - d. Non-matriculated students upon request
 - e. Students changing majors and/or need support regarding academic policies and procedures
2. Faculty Advisors - Upon reaching Junior year, full-time and part-time students enrolled in degree programs are paired with a Faculty Advisor within their respective Schools and programs.
3. Co-Advising – Students in certain programs, such as Biology Pre-Medicine (Fall semester of Sophomore year), Medical Laboratory Science (Spring semester of Freshman year), and Radiologic Science (AS.RS, Fall semester of Sophomore year), have both a Professional Academic Advisor and a Faculty Advisor. Students in these programs must meet with both advisors before registration to ensure alignment with requirements for medical school and/or clinical placement.

Tiger Tutoring

Tiger Tutoring offers diverse services designed to meet the learning needs of undergraduate students at all levels of achievement, in particular, addressing undergraduate programs of study from developmental to honors courses. It is the goal of Tiger Tutoring to help students improve skills and achieve greater academic success, and to encourage them to take full advantage of their learning experience.

Tiger Tutoring is located on the second floor of the University Library. In-person tutoring is offered by peer and professional tutors in areas of Nursing, Science, Math, Business, and Writing and Grammar in any course. In addition to in-person, we offer 24/7 online tutoring through Tutor.com. Access can be found within Canvas and the Holy Family Website. Tiger Tutoring is located on the second floor of the University Library within the Center for Teaching & Learning.

Academic Honors and Awards

Alumni Senior Award

Presented at Commencement by the Holy Family University Alumni Association, the Alumni Senior Award honors a graduating student who best represents the Holy Family University student body through his or her campus involvement, community service on behalf of the University, life experience, and academic achievements.

Dean's List

Dean's list distinction is awarded twice during the academic year to full-time students chosen for their high scholastic standing. Eligibility is based upon the completion of at least 12 credits in the semester (credits associated with "P" grades are not counted towards the minimum), the attainment of at least a "B" grade in every course, and a term GPA of 3.5 (based on 4.0).

Degrees with Honors

Degrees with honors are conferred upon students who attain the required minimum cumulative average:

Summa Cum Laude	GPA of 3.90
Magna Cum Laude	GPA of 3.70
Cum Laude	GPA of 3.50

Note for Spring graduates: Honors for the commencement ceremony will be assessed based on students' cumulative GPA at the conclusion of the Spring 1 session. However, honors will be posted on the diploma and transcript in accordance with the students' final cumulative GPA and will accurately represent the honors achieved.

Honor Societies

Alpha Alpha Alpha – Alpha Alpha Alpha (Tri-Alpha) is an established honor society for first-generation college students. First-generation college students are the first in their families to go to college meaning neither of the student's parents, step-parents, nor legal guardians, completed a bachelor's degree. Candidates must achieved an overall undergraduate GPA of at least 3.2 on a 4.0 scale and earned at least 30 credit/semester hours towards an associate's degree or baccalaureate degree.

Alpha Epsilon Delta - A National Health Preprofessional Honor Society dedicated to the encouragement and recognition of excellence in preprofessional health scholarship. Candidates must complete at least 3 semesters of health preprofessional studies work with an overall cumulative GPA of 3.2 as well as a cumulative GPA of 3.2 in the sciences including biology, chemistry, physics, and mathematics.

Alpha Phi Sigma – A national honor society that recognizes and promotes scholarship among students actively engaged in collegiate preparation within the field of Criminal Justice. Candidates must be ranked in the upper 35% of their class; completed three full-time semesters or equivalent; and must have a cumulative GPA of 3.2 and a 3.2 GPA within Criminal Justice or related field courses.

Beta Beta Beta, Lambda Chi Chapter – Accepts students for membership who achieve superior academic standing and evidence major interest in and aptitude for life science. Full membership is extended to candidates who have completed at least 23 credits in major-level biology courses, participated actively in the projects of the Albertans Science Club, and attained Junior-level status.

Chi Alpha Sigma - A nonprofit organization established in 1996 to recognize the achievements of collegiate student-athletes both in the classroom and in athletic competition. Chi Alpha Sigma recognizes college student-athletes who

earn a varsity letter in their sport while maintaining a 3.4 or higher cumulative grade point average throughout their junior and/or senior years.

Delta Mu Delta - Delta Mu Delta is an international business honor society accepting top business students as members, faculty and business leaders. The eligibility criteria for Holy Family University's chapter, the Mu Gamma Chapter, are that undergraduate students have a minimum 3.5 GPA and have a standing in the top 20% of their class, graduate students have a minimum 3.6 GPA and have a standing in the upper 20% percent of their class. The list of students is then presented to the full-time faculty for final approval. Delta Mu Delta Honor Society has two primary purposes: to promote higher scholarship in business education and to recognize and reward scholastic achievement of business students. As the highest recognition a business student can earn, it is appropriate and beneficial to include Delta Mu Delta membership on one's resume. The honor society currently accepts traditional business program students

Kappa Delta Pi – An international honor society in education that promotes excellence in and recognizes outstanding contributions to education. Kappa Delta Pi endeavors to maintain a high degree of professional fellowship among its members, to quicken professional growth, and to honor achievement in educational work. To these ends, it invites to membership persons who exhibit commendable professional qualities, worthy educational ideals, distinctive achievement, and sound scholarship.

Those students who exemplify worthy educational ideals and demonstrate evidence of leadership abilities in Education are invited to apply for admittance to the Holy Family School of Education Chapter of Kappa Delta Pi, Upsilon Omicron.

Kappa Delta Pi's motto of knowledge, duty, and power reflect the chapter's commitment to educational excellence and service and responsibility inherent in the teaching profession.

Undergraduate education majors with an overall GPA of 3.5, 12 credits in Education courses, and at least 50 semester hours completed by the end of the Fall semester at Holy Family University are eligible for nomination to the Upsilon Omicron Chapter. Applications are made available in November (the week after the Thanksgiving holidays) and due for review by early January. The initiation ceremony is held in the Spring semester, and all new members must be present for the initiation. For more information, please contact the Associate Dean in the School of Education.

Kappa Omicron Nu, Nu Alpha Tau Chapter – The collegiate honor society serving students in the human sciences. The mission is to promote empowered leaders through excellence in scholarship, leadership, and research in the human sciences. Kappa Omicron Nu's mission is to provide lifelong opportunities for professional and personal growth through networking, education, and service. Eligible candidates must have declared a major in the human sciences. Undergraduates must complete 45 semester hours in their chosen major; and graduates must have completed 12 semester hours of graduate work. Students must have a GPA of at least 3.5. Induction is held once a year during the spring semester.

Kappa Mu Epsilon – The national mathematics honor society recognizes outstanding achievement in the study of mathematics at the undergraduate level. Other objectives include developing an appreciation of the power and beauty of mathematics, familiarizing members with current advances in the field, and comprehending the overall importance of mathematics in contemporary society. To be eligible for membership, a student must rank in the upper third of his/her class and must have completed a minimum of three undergraduate mathematics courses, including MATH 211 and one additional mathematics course at the 200 level or higher with a minimum average of B. Additionally, candidates must have actively participated in one of the chapter's service projects prior to induction.

Lambda Nu – A national honor society for the Radiologic and Imaging Sciences. The objectives are to foster academic scholarship at the highest academic levels, promote research and investigation in the Radiologic and Imaging Sciences, and recognize exemplary scholarship. Eligible candidates must have completed at least one half of the radiologic science curriculum with a minimum cumulative and concentration GPA of 3.3. Additionally, candidates must participate in a minimum of one of the chapter's service projects. Moderator/faculty support is required to run for an officer position. Induction is held once per year during the Spring semester.

Phi Alpha Theta – The international honor society in history the Alpha Eta Iota Chapter accepts undergraduate students who have completed 12 credits in the history discipline at Holy Family University and who have achieved an average GPA of 3.5 or better in history course work and have a cumulative GPA of at least 3.2. Induction is held once a year during the Spring semester.

Psi Chi – As the international honor society in psychology, Psi Chi fulfills two major goals: the advancement of science of psychology and the encouragement of its members to scholarly pursuits in psychology and allied fields. An invitation for induction into Holy Family University's Chapter is extended to those Junior and Senior undergraduates who are either majoring in psychology or neuroscience, or who have declared psychology (or a closely related discipline) as their minor. Eligible students invited for membership will have completed a minimum of 12 credits in psychology courses taken at the University. Additionally, eligible students will have a cumulative GPA of at least 3.0 and a GPA of at least 3.5 in all psychology courses taken at Holy Family University.

Sigma Theta Tau – The International Honor Society of Nursing, is represented on campus by the Delta Tau Chapter-at-Large, established as a joint chapter with Immaculata University, Neumann University, and Eastern University. Its purpose is to recognize superior scholarship and leadership in nursing and to encourage nurses to contribute to the advancement of nursing through research. Eligible candidates must have completed at least one half of the nursing curriculum and receive a formal invitation for membership.

Sigma Tau Delta – Sigma Tau Delta, the International English Honor Society, is represented on campus by the Alpha Omega Pi Chapter. The Society strives to: confer distinction for high achievement in English language and literature in undergraduate, graduate, and professional studies; provide, through its local chapters, cultural stimulation on college campuses and promote interest in literature and the English language in surrounding communities; foster all aspects of the discipline of English, including literature, language, and writing; promote exemplary character and good fellowship among its members; exhibit high standards of academic excellence; and serve society by fostering literacy.

Tau Sigma - Tau Sigma is a national, academic honor society for transfer students. Tau Sigma recognizes the academic achievement of the most outstanding transfers nationwide and, in the process, helps universities better serve their transfer population. Candidates must earn at least a 3.5 GPA during their first semester at Holy Family University in order to qualify for membership.

Sister Neomisía Award

Presented at Commencement by Holy Family University, the Sister Neomisía Award honors a graduating student who best exemplifies the mission and core values of Holy Family University. It is named in honor of the University's founder and first president, Sister M. Neomisía Rutkowska, CSFN, Ph.D., H '64.

Academic Standing

Students' university academic standing is reviewed at the end of each reporting term (Fall, Spring, and Summer) if you are a full-time student who has attempted **12 or more credit hours** during that term. If you fall into any academic deficiency category, the Office of the Vice President for Academic Affairs will notify you via email.

Students are directed to review specific program requirements concerning continuation and academic standing for programs as they may vary from this policy. Your major or program may have its own academic standing requirements. These departmental rules are **separate from and in addition to** the general university policy outlined above. Details about those program requirements can be found in this catalog and in relevant handbooks published by the schools.

Important Note: A 2.0 GPA is the general standard for good standing. However, some specific majors or schools require a higher GPA for official acceptance or to remain in that program. Check your specific program's requirements for details.

Categories of Academic Standing

Good Academic Standing

To remain in Good Academic Standing, you must maintain **both** a cumulative (overall) GPA and a term GPA of **2.0 or higher**.

Academic Warning

You will be placed on Academic Warning if it is your **first time** falling below the minimum GPA requirements. This happens if:

- Your Cumulative GPA drops below 2.0, **OR**
- Your Term GPA drops below 2.0.

Next Steps: The Office of Academic Success will contact you to create a personalized academic success plan, which includes support, resources, and specific interventions to help you get back on track.

Probation

You will be placed on Probation if:

- This is the **second term** your Cumulative GPA is below 2.0, **OR**
- You were previously dismissed but your academic appeal was granted.

Next Steps: The Office of Academic Success will contact you to develop a mandatory academic success plan to support your recovery.

Dismissal with Appeal

You face Academic Dismissal if this is the **third term** your Cumulative GPA falls below 2.0. However, you have the opportunity to appeal this decision.

- **The Appeal Process:** If you have extenuating circumstances that impacted your grades, you can submit a formal letter of appeal and supporting documentation to the Vice President for Academic Affairs.
- **Deadline:** Your appeal must be received within **five (5) business days** of the date on your dismissal notification.
- **If Approved:** You will be placed back on **Probation**. However, if your Cumulative GPA is still below 2.0 at the end of that next term, you will face automatic Dismissal *without* Appeal.

Dismissal without Appeal

You will be dismissed from the university without the option to appeal if:

- This is the **fourth term** your Cumulative GPA has fallen below 2.0, **OR**
- You were on probation following a successful appeal, but failed to raise your Cumulative GPA to a 2.0 or higher by the end of the term.

Returning to the University

If you have been dismissed and wish to request readmission after one calendar year, you must complete an official Application for Readmission. This application can be found directly on the Holy Family University website.

Please see the *Financial Aid* section of this catalog for scholarship renewal requirements.

Course Enrollment Information

Academic Calendar

The regular academic year is composed of three semesters, Fall, Spring, and Summer, which are approximately 15 weeks. Each semester includes two eight-week sessions. Designed to fit between the fall and spring semesters, Winterim offers a series of undergraduate and graduate courses in a manner consistent with the Pennsylvania Department of Education requirement of 42 hours of instructional time for a typical three-credit course.

Course Schedule

Prior to registration semester and summer session course offerings are made available online via Self-Service. Self-Service provides up-to-date and reliable course offering information. Self-Service is accessed from the University homepage, www.holyfamily.edu.

Cancellation of Courses

The University reserves the right to change or cancel, without notice or obligation, any course offering and/or location because of insufficient enrollment or for any other reason.

Course Number System

The curriculum is organized into lower-division and upper-division courses. Lower-division courses are generally numbered 101-299. Upper-division courses, numbered 301-499, are generally devoted to programs of concentration. Courses which require prerequisites or co-requisites are clearly indicated in the class schedule.

Individualized Courses of Study

Undergraduate Research projects may be planned and executed as independent studies after prior approval by the School Dean and Vice President for Academic Affairs. Students should consult with their advisors regarding this option.

Non-immigrant International Student Courses

Non-immigrant (F-1 Visa) international student course enrollment is limited to only full-time in person or blended (hybrid) programs. For F-1 Visa students enrolled in classes for credit or classroom hours, no more than the equivalent of one class or three credits per session, term, semester may be counted toward the full course of study requirement if the class is taken on-line or through distance education and does not require the student's physical attendance for classes, examination or other purposes integral to completion of the class. An on-line or distance education course is a course that is offered principally through the use of television, audio, or computer transmission including open broadcast, closed circuit, cable, microwave, or satellite, audio conferencing, or computer conferencing. Non-immigrant (F-1 Visa) international students are not permitted to enroll in fully on-line degree programs.

Graduation and Commencement

Graduation Requirements

Please see program sections for degree requirements.

Graduation Conferral and Diplomas

To be recognized as a graduate, **you must submit an *Application for Graduation* via Self-Service by the deadline published in the Academic Calendar.** Before applying, verify your eligibility by checking your "Progress" page within Student Planning on Self-Service.

Submitting this form is mandatory, as you cannot be officially recognized as a graduate without it. Once you submit your application, the University will review your file to confirm you have met all degree requirements. Please monitor your official university email for communication regarding your eligibility status or any potential issues.

This University uses this application to determine your official degree completion date, prepare the Commencement program, manage mailing lists for graduation-related activities, and facilitate the printing of your diploma. Late applications may result in delaying graduation to the next semester or session. All students are required to pay the graduation fee at the normal billing time prior to each issuance of diplomas.

If a student's balance is not paid or arrangements are made, participation in Commencement will be restricted including but not limited to not receiving cap/gown or diplomas.

Degrees will be posted to student transcripts six times a year, at the end of the month of the graduation term.

Commencement Participation

Graduates planning to participate in the Holy Family University commencement ceremony must register to attend. Look for registration instructions in your university email during the following times:

- Summer Graduates (Sessions 1 & 3): August
- Fall Graduates: January
- Spring Applicants: March

Holy Family University holds one commencement ceremony each Spring. Participation is limited to students who completed—or will complete—their degree requirements during:

- The previous Summer or Fall semesters.
- The current Spring semester.
- The upcoming Summer 1 term-with permission of their Dean (must be registered for courses).

Participation in Commencement does not constitute graduation from the University. Diplomas will continue to be issued six times a year for those completing degree requirements in March, May, June, August, October and December. Students are encouraged to view their program evaluation through Self-Service on a regular basis and address deficiencies with their academic advisor. It is the responsibility of each student, along with guidance from their advisor, to complete all general education, major, minor (when applicable) and institutional requirements prescribed for each degree.

Registration

Attendance

Students are expected to attend all classes and laboratory sessions regularly and may not absent themselves except for illness or other serious matters. In-person courses cannot be converted to an online format to accommodate attendance within the course. Students who have registered but do not attend classes for more than 5 or 6 working days or 2-3 consecutive class periods (including students who have decided before the semester commences not to begin classes at all) must notify the Registrar's Office in writing that they are dropping or withdrawing from the course by the deadline published in the Academic Calendar to avoid a failing grade for the course.

Note: Once enrolled in a course, students identified as "never attended" by their faculty during the census process (which occurs during drop/add) will be automatically dropped from the course. Students who begin and then stop attending class will receive an F letter grade for the course unless discussion with the instructor or an incomplete is agreed upon with the instructor.

Students are also expected to meet their usual class responsibilities set by the University calendar for the beginning of a vacation period. They may not extend their vacation beyond the date assigned for return to University without the approval of the School Dean in the area of concentration.

Auditing Courses

The Registrar authorizes all formal auditing of courses. The privilege of auditing classes is extended to students who may wish to benefit from certain courses without assuming responsibility for preparing assignments and completing examinations. The student is, however, expected to meet all other course requirements. Authorization to change from credit to audit or audit to credit status must be made prior to the drop/add period published in the Academic Calendar. During Fall and Spring semesters, if the total number of credit hours per semester does not exceed 18, full-time students are entitled to audit courses without extra tuition. One-half of the regular credit fee is charged for part-time students who audit classes and for full-time students whose semester credit load exceeds 18 credits. Auditors are responsible to pay all fees normally associated with a given course.

Course Load

Approval to carry hours in excess of 18 credits will be granted by the appropriate Dean only to those students whose scholastic record gives evidence of their ability to do superior work. The minimum academic load for full-time students is 12 semester hours. The current tuition per credit will be charged for credits exceeding 18 in number.

In Summer sessions, the maximum credit load for undergraduates is 6 credits per session. Approval to carry hours in excess of this load will be granted by the appropriate Dean only to those students whose scholastic record gives evidence of their ability to do superior work.

Enrollment Adjustments

Drop/Add Adjustments

Students should submit their registration adjustments via Self-Service. Registration adjustments are subject to approval by their advisor. Adjustments that cannot be processed via Self-Service must be approved by the student's academic advisors and must be in writing. Drop/add adjustments will not be made after the date specified in the academic calendar. Students are personally responsible to initiate and complete drop/add adjustments. Please know that dropping classes may jeopardize academic standing and financial aid status. After the published drop/add period ends, students may still change their enrollment in a course as described in the following *Withdrawal* sections.

Withdrawal from a Course

If necessary, a student may process a course withdrawal until the deadline published in the Academic Calendar. Students' transcripts will show a "W" for all courses for which a course withdrawal is processed. Course withdrawal forms are available on the Registrar's Office webpage. Students are personally responsible to initiate and complete schedule adjustments. Only in case of documented illness or for other serious cause will the administration allow change in enrollment status without penalty after the withdrawal deadline. Appeals to the policy or deadline are to be made in writing and submitted with supporting cause documentation to the Dean of the School. Such exceptions will be reviewed on an individual basis. Keep in mind that repeated courses may not be eligible for federal aid. Please contact the Financial Aid Office prior to withdrawing from a course.

Withdrawal from the University

Degree seeking students are expected to maintain continuous enrollment. If necessary, a student may withdraw from the University. The Withdrawal from the University form can be found on the Registrar's Office webpage. Officially withdrawn students who wish to return to the University at a later date must reapply under the catalog that is current at the time of readmission. (Please see *Readmission to the University*). The student's last date of attendance will be considered to be the date of withdrawal.

Withdrawal from a Semester

A student may take a semester off by completing the Withdrawal from Semester form on the Registrar's Office webpage. Students may not extend their leave beyond one academic year (two semesters, Fall and Spring only) from initial request. Students who do not register for classes for a full academic year are required to submit a new application to the university. (Please see *Readmission to the University*). The student's last date of attendance will be considered to be the date of withdrawal.

Grades

A student's standing at the close of the semester is determined by the results of class work, tests, assignments, and final examinations. All forms of course assessment as well as class work and independent assignments are scheduled at the discretion of the instructor.

Students are required to take final examinations at the time they are officially scheduled; failure to do so may result in an Incomplete "I" grade in the course (see *Incomplete Grade Policy* below). The student is responsible for having the "I" grade changed within the allotted time (one month from the last examination date), after which time it becomes an "F". Anticipated or deferred examinations are given only when a student has circumstances necessitating schedule adjustment and must have the approval of the instructor and the appropriate School Dean. Deferred examinations are scheduled through the School Dean or designee of the respective School so that all course requirements are completed within the given semester.

Midterm grades are submitted by faculty and are available to students via Self Service. These reports are for the information of the administration, the students, and their advisors. Midterm reports are not part of the permanent official record.

Grading Policy

Grade	Grade Equivalent	Points per Credit	
A	(94-100)	4.0	Outstanding; mastery of the subject
A-	(90-93)	3.7	
B+	(87-89)	3.3	
B	(83-86)	3.0	Superior; above-average mastery of the subject
B-	(80-82)	2.7	
C+	(77-79)	2.3	
C	(70-76)	2.0	Average; satisfactory mastery of the subject
D+	(65-69)	1.5	
D	(60-64)	1.0	
F	(59 and below)	0	Failure; credit can be earned only by repeating the course
P	Pass	0	
I	Incomplete	0	If not removed within one month of the examination date, it automatically becomes a failure
W	Authorized Withdrawal	0	Needs a course withdrawal form from the Registrar's office. Must be within time allowed
AU	Audit	0	Carries no credit

Students are required to earn a minimum grade of “C” in all courses taken in the major field of study. Any course for which the student receives a grade of “W”, “F”, “D”, or “D+” may be repeated only once.

Students in nursing and education majors should reference program handbooks for specific policies related to their individual programs.

Grade Point Average

The student's academic standing is measured by the grade point average (GPA). This is calculated by dividing the total number of credit hours attempted into the total number of quality points earned.

Incomplete Grade Policy

Holy Family University students are expected to complete all courses during a given academic semester in which the course was taken. However, if for reasons outside of a student's control, a student may request an Incomplete grade “I” from the course instructor to complete the coursework within 30 days for undergraduate following the guidelines:

- An incomplete grade is only to be used for emergencies or unforeseen circumstances in a student's life.
- The student has completed most of the required coursework (which should be between 80-90% of the course, depending on the level and content of the course) and has a reasonable likelihood of completing the course successfully. The Canvas course gradebook must reflect a grade for missing or incomplete assignments.
- The student is expected to complete all required classwork for the course.

Students are required to participate in final examinations and other culminating experiences at the time they are officially scheduled; failure to do so may result in a failing grade in the course. Anticipated or deferred examinations are given only when a student has circumstances necessitating schedule adjustment and must have the approval of the instructor and the appropriate School Dean. Deferred examinations are scheduled through the instructor and the Dean/designee of the respective School so that all course requirements are completed within the given semester.

Procedure

A request for an Incomplete grade must be made by the student to the instructor before the last class period and before the final examination or the last day of class for a course that meets asynchronously. The instructor retains the right to make the final decision on granting a student's request for an Incomplete grade providing the student meets the provisions above. If approved by the instructor, the student and instructor must complete an Incomplete Grade Agreement form and seek approval from the School Dean. When the form is completed, an instructor will submit the “I” letter grade as the final grade at the end of the semester. This “I” letter grade will convert to an “F” letter grade if no work is completed after 30 days for undergraduate. A change of grade form will need to be completed and submitted to the Registrar if all required work is completed and a letter grade is issued.

Any exceptions should be specified in the Incomplete Grade Agreement form.

Repeat Grade Policy

Undergraduate students are required to earn a minimum grade of “C” in all courses taken in their major field of study. Any course for which the student receives a grade of “F”, “D”, “D+”, or “W” may be repeated only once. Students are responsible for determining any academic or financial implications for repeating a course by contacting the Financial Aid Office and either their professional advisor or faculty advisor.

If a student needs to repeat an undergraduate course due to not meeting the minimum grade requirements, the student must meet with the Executive Director for Retention and Persistence. In the meeting, the Executive Director for Retention and Persistence will develop an individualized success plan, recommend support services for the student to thrive within the course, and finalize registration for the course.

Students in professional programs (i.e., nursing, education, and radiologic science majors) should reference program handbooks for specific policies related to their individual programs.

When a course is repeated, the credits earned count only once for purposes of satisfying degree requirements and for purposes of calculating the student's GPA. When a course is repeated, the grade counted in calculating the GPA is the grade earned the last time, even if that grade is lower than the grade earned the first time. All courses taken and all grades earned will appear on the student's transcript. When a course has been repeated, the first grade appears on the transcript with a symbol noting it has been replaced by the later grade in the computation of the GPA. Transfer credit will not be awarded for any course previously taken at Holy Family University that is repeated off-campus.

Repeated courses may not be eligible for federal aid. Please contact the Financial Aid Office prior to withdrawing from a course.

Final Grades and Transcripts

Final grades are available online to students. Students may view their Grade Report and Unofficial Transcript on Self-Service. Paper grade reports are sent only upon request. Please see the *Registrar's webpage* for information concerning paper grade report requests.

The Registrar's Office issues transcripts. Students may request transcripts through Parchment. Students can go to the Registrar's webpage and select Transcripts and Replacement Diplomas to be redirected to Parchment.com. There is a fee for each copy of a transcript.

The Registrar's Office requires at least 48 hours' notice to process a transcript. During peak activity periods there may be a delay. Persons requesting transcripts during these times - two weeks prior and following the beginning and end of semesters and Summer Sessions - should anticipate a delay.

Transcripts from other colleges that are submitted to the Registrar's Office become the property of Holy Family University and are included in the student's official file. These transcripts are not released to students or to other institutions and may not be copied.

Academic Programs

The undergraduate degree is organized into core curriculum and discipline concentrations offered within each of the four schools. Interdisciplinary programs, specialized programs of study, relevant degree programs and minors are also available.

General Education

Holy Family University Curriculum

The curriculum at Holy Family University is divided into two sections, General Education Requirements and Programs of Specialization or Concentration (majors).

General Education is aligned with the liberal education approach to learning. It is the only part of a university undergraduate curriculum that is shared by all students. It provides a basis for developing essential learning outcomes and ensures that students acquire breadth of knowledge.

Each student will also self-select a **Program of Specialization or Major**. It is to the advantage of the student to decide upon a field of specialization early in their academic career. If a student is unsure of their preferred major, they can use their General Education requirements as a means of narrowing in on a field of study.

To qualify for participation within a particular concentration, a student must be in good standing, i.e., have attained at least a cumulative index GPA of 2.0 or higher depending on the area of specialization. It is the policy of some schools to review the student's scores on tests in order to determine the levels of competencies before accepting the student into their programs.

A student may change their major area of study. Formal requests for a change of major are initiated by filing a form on the Registrar's Office website. The student must be in good standing and must meet all the requirements for the new major before such a request may be honored.

General Education Curriculum

Built upon the Holy Family University's six Core Values (Family, Integrity, Vision, Service & Responsibility, Respect, and Learning), The Holy Family Experience will help students develop proficiency in 24 formational skills. Each value will include six relevant skills that students will have an opportunity to develop.

Below is the updated Values and Skills:

1. As a core value, **Family** involves recognizing the importance of relationships and connections in one's life. It involves fostering strong bonds, open communication, patience, and a sense of unity.
 - a. **Collaboration** is the ability of two or more individuals working together to achieve a goal.
 - b. **Conflict Resolution** is the ability to address and resolve disagreements or disputes between individuals or groups in a constructive and positive manner.
 - c. **Listening** is the ability to actively and attentively receive, interpret, and understand verbal and nonverbal messages from others.
 - d. **Patience** is the ability to remain calm and composed in the face of challenges, delays, or difficult situations, without becoming frustrated or anxious.
2. **Integrity**, as a core value, encompasses the adherence to moral and ethical principles, honesty, and consistency in actions. It involves living in accordance with one's deeply held beliefs, even when faced with temptations or challenges that may compromise them.
 - a. **Honesty** is the ability to be truthful, transparent, and sincere in one's words and actions.
 - b. **Ethical Reasoning** is the ability to analyze and evaluate situations, dilemmas, or decisions from an ethical perspective
 - c. **Courage** is the ability to confront fear, take calculated risks, and persevere in the face of adversity.
 - d. **Resilience** is the ability to bounce back from setbacks, adapt to change, and withstand challenges while maintaining a positive and proactive mindset.

3. The core value of **Vision** refers to the ability to conceptualize and pursue long-term aspirations with clarity and purpose. It involves having a clear understanding of one's goals and a strategic plan for achieving them, often extending beyond immediate circumstances to encompass broader, future-oriented perspectives.
 - a. **Problem Solving** is the ability to analyze, evaluate, and find effective solutions to challenges or complex situations.
 - b. **Creativity** is the ability to generate innovative ideas and be resourceful by thinking divergently to approach problems or tasks in original and unconventional ways.
 - c. **Decision-Making** is the ability to analyze information, weigh options, and choose a course of action among alternatives.
 - d. **Agency** is the ability to take charge of one's own actions and shape one's own outcomes.
4. **Service and Responsibility**, as a core value, calls for the acknowledgment of and dedication to contributing positively to the well-being of others and the community at large. It involves taking ownership of one's choices and behaviors, striving to meet obligations to God, self, others.
 - a. **Accountability** is the ability to effectively manage one's responsibilities, acknowledge mistakes, and follow through on commitments.
 - b.
 - c. **Compassion** is the intentional behaviors and actions aimed at contributing to the well-being of others, fostering positive relationships, and creating a supportive community.
 - d. **Time Management** is the ability to effectively plan, organize, and prioritize tasks and activities to make the most efficient use of time.
 - e. **Advocacy** is the ability to effectively and passionately support or champion a cause, idea, or group of people.
5. **Respect**, as a core value, embodies a deep appreciation and consideration for the inherent worth, dignity, and rights of all individuals, regardless of differences in background, beliefs, or perspectives. It involves treating others with courtesy, kindness, and fairness, and valuing their autonomy, opinions, and perspectives.
 - a. **Openness** is the ability to be receptive to new ideas, diverse perspectives, and constructive feedback.
 - b. **Empathy** is the ability to actively engage with others, demonstrate sensitivity to their emotions, and respond with understanding and compassion.
 - c. **Etiquette** is the ability to understand and apply socially accepted behaviors and manners in various situations, fostering positive interactions and relationships.
 - d. **Professional Communication** is the ability to convey information clearly, concisely, and appropriately in various professional settings.
6. As a core value, **Learning** encompasses a lifelong commitment to acquiring knowledge, skills, and experiences that foster personal growth and development. It involves an inherent curiosity to new ideas, perspectives, and opportunities for intellectual enrichment.
 - a. **Critical Thinking and Information Literacy** is the ability to objectively locate, analyze, evaluate, and interpret information from diverse sources to form sound judgments and make informed decision.
 - b. **Curiosity** is the inclination to seek knowledge, explore new ideas, and ask questions.
 - c. **Study Skills** is the ability to use the techniques that enable one to effectively acquire, retain, and apply knowledge, including note-taking, test-taking, and memorization strategies.
 - d. **Technological Literacy** is the ability to understand, use, and evaluate technology effectively.

Four Tier Model

The new Holy Family University General Education Program (45 credits) has been designed using a four-tier model which aligns with the goals listed above.

Tier One: Foundations

The goal of Tier One is to provide students with the foundational knowledge, skills, and values necessary for academic success and employability. There are 18 required credits in Tier One.

Tier One requirements include:

- Three one-credit courses in the BLUEprint program (see description below).
- One three-credit writing course - ENGL 101: Writing I
- One three-credit speech course - ENGL 115: Public Speaking

- One three-credit Religious Studies Course (RELS 104, 105, 106, 108, or 210)
- One three-credit Philosophy Course (PHIL 101, 212, 218, or 301)
- One three-credit Lab Science Courses (BIOL 104, BIOL 112, BIOL 113, ENVS 101, BIOL 115, or PHYS 104)

Tier Two: Breadth

The goal of Tier Two is to offer students a sufficient scope of academic courses in order to allow them to explore new areas of intellectual experience. Tier Two is meant to increase flexibility and student choice, therefore building student agency and self-directed learning.

Students can self-select any five university-level Tier Two courses (15 credits). In order to help increase the breadth of academic experience, students may only take two courses within a given discipline.

Tier Three: Integration

In Tier Three students will choose nine credits (9 credits) from a number of courses and course modalities. Within this tier there are three types of courses: interdisciplinary, community integration, and national and international travel courses.

Interdisciplinary Courses: The Tier Three Interdisciplinary Courses are designed to generate an understanding of themes and ideas that cut across disciplines and increase the connections among different disciplines and their relationship to the world at large. The emphasis here is on process and meaning-making rather than on the final product. They may be individually or team-taught.

Community Integration Courses: In the Community Integration Courses, students not only learn and discuss relevant concepts in class, but also experience and apply them in real world situations through community engagement experiences -- offering direct service, attending events, exploring social issues, etc. These courses provide opportunities to reflect on course concepts and engagement experiences in order to learn how to advance their knowledge and practice of these concepts beyond the classroom. The Tier Three Community Integration Courses are 1.5 credit or 3 credit, weekend-intensive, hybrid courses that require 17.5 contact hours.

National and International Travel Courses: Travel courses in and outside the country are another opportunity for integrative learning. These courses can be weekend intensive or week-long travel experiences paired with academic preparation and relevant content knowledge.

Tier Four: Synthesis

Tier Four is composed of one three-credit course (3 credits), HFEX 400: Interdisciplinary Core Seminar. HFEX 400 is the General Education Capstone course and it helps students integrate their professional and formative knowledge in order to springboard their lifelong responsibility toward God, Society, and Self. Its purpose is to provide students the opportunity to integrate fully the knowledge gained in their General Education Curriculum courses with that of the courses required for their major (and minor), and their life experiences thus far.

HFEX 400: Interdisciplinary Core Seminar is a three-credit seminar style course with a revolving, values-based topic. Readings and other course content from many disciplines are incorporated. Students enrolling in this course must be of Junior or Senior standing. Students should have completed all of their other General Education requirements before taking HFEX 400.

Contact Information

Jenai Grigg, PhD, Assistant Vice President of Academic Affairs

BLUEprint for Student Success

Overview: BLUEprint for Student Success is a plan designed to promote student's intellectual, social, spiritual, and personal development with the knowledge, dispositions, and skills needed to thrive at Holy Family and in life after college.

Vision: The 3-Year BLUEprint for Student Success enables students to embody Holy Family University's Core Values of Respect, Integrity, Service, Responsibility, Learning, and Vision as principles for continued success beyond the college years.

Mission: The 3-Year BLUEprint for Student Success' mission empowers students to be intentional in their educational journey. Students participate in activities that heighten their sense of belonging, enhance academic success, promote overall wellness, engage with faculty/staff/administrators and the external community through conversations and resource opportunities at pivotal moments through the lifecycle of the student.

Course Goals:

1st Year Course Goal Transition successfully into university life at Holy Family University.	2nd Year Course Goal Persist with determination on the path to degree completion.	3rd Year Course Goal Navigate with confidence senior year and life after degree completion.
Student Learning Outcomes Students will, 1. Describe Holy Family University's six core values and apply them to personal, academic, and community practices. 2. Demonstrate professional communication strategies in academic and campus interactions. 3. Apply time management and study techniques to balance academic and personal responsibilities. Identify and utilize campus resources and support services to enhance your college experience. 4. Explain the importance of academic honesty, including the responsible use of AI tools in maintaining integrity. 5. Reflect on personal strengths, values, and areas for growth as a foundation for self-advocacy and lifelong learning. 6. Evaluate digital resources for credibility and relevance in academic settings.	Student Learning Outcomes Students will, 1. Analyze metacognition to improve the process of learning and its associated outcomes. 2. Evaluate optimal learning opportunities within and beyond the HFU community. 3. Demonstrate student/facilitator engagement and problem solving. 4. Examine how HFU's mission and values support diversity, equity, and inclusion. 5. Apply critical thinking and planning skills to clarify major and career goals. 6. Evaluate the academic and mental health efficacy of 'Mindfulness' & a 'Growth Mindset' 7. Evaluate technological resources as a means of supporting goals and aspirations. 8. Develop an artifact that demonstrates a carefully constructed reflection on the course learning outcomes related to overcoming challenges.	Student Learning Outcomes Students will, 1. Describe the criteria for a viable personal financial plan. 2. Evaluate post-BA employment and/or graduate school options. 3. Demonstrate student/facilitator engagement as part of future planning. 4. Apply critical thinking skills required for designing the Capstone Portfolio. 5. Examine how the mission and values of HFU fosters continued lifelong transformation. 6. Establish what it means to commit to diversity, equity, and inclusion. 7. Provide evidence of technology's influences on culture, society, and the environment. 8. Develop an artifact that demonstrates a carefully constructed reflection on the course learning outcomes related to senior year and life after graduation.

Honors Program

Qualified students are invited to apply to the honors program after they are accepted to the University. Honors students have the opportunity to take honors courses, which are seminar-style courses designed to foster independent thinking and to allow discussion, exploration, and in-depth intellectual inquiry.

All honors courses also fulfill core curriculum requirements. Students in the honors program must pass 8 honors courses, totaling 24 credits, with a minimum grade of "C" in each course. Students can receive honors credit for passing equivalent AP exams or dual enrollment courses; all honors students must take ENGL 103HNR, unless they receive AP or transfer credit, and HFEX 400HNR. Starting in the spring of sophomore year, honors students develop an independent research project with a faculty mentor, which they present at the Scholars' Conference at Holy Family University during the spring semester of junior year.

Honors students must achieve a final overall GPA of 3.25 to graduate as members of the honors program. Honors students additionally have the opportunity to pursue independent research and scholarship, participate in service-

learning activities, register early for classes, get involved in campus academic and social events, and attend cultural events in Philadelphia. By distinguishing themselves as Honors Program graduates, students set themselves apart from other applicants for jobs, professional training, and graduate schools.

Honors courses currently offered include:

Tier 1

- BIOL 120HNR Honors Biological Principles I
- ENGL 103HNR Honors Writing I
- ENGL 115HNR Honors Public Speaking
- ENVS 101HNR Honors Introduction to Environmental Science
- PHIL 101HNR Honors Philosophy and the Good Life
- RELS 104HNR Honors World Religions
- RELS 105HNR Honors Intro to Four Gospels
- RELS 210HNR Honors Jesus the Christ

Tier 2

- HIST 108HNR Honors Gladiators, Gods, Greeks-Ancient History
- HIST 204HNR Honors Conflict & Conquest: America 1820-1920
- MATH 109HNR Honors Financial Literacy
- MATH 150HNR Honors College Algebra and Trig
- PSYC 110HNR Honors Intro Psychology

Tier 3

- HFEX 310HNR Honors Interdisciplinary Humanities Research
- PHIL 216HNR Honors Philosophy of Love

Tier 4

- HFEX 400HNR Honors Interdisciplinary Core Seminar

Programs of Specialization or Concentration*

The key concepts behind the degree programs are coordination and integration of knowledge. Ultimately, the programs aim at the formation of thinking persons who are prepared theoretically and practically, by intellectual habits and skills, for life and its everyday value judgments and decisions, and for responsible roles of service and leadership in a chosen profession.

** Concentration is synonymous with major or major area of study.*

Acceptance into the Concentration - It is to the advantage of the student to decide upon a field of interest early in his or her academic career.

To qualify for participation within a particular concentration, a student must be in good standing, i.e., have attained a cumulative index GPA of 2.0 or higher depending on the area of specialization. It is the policy of some schools to review the student's scores on tests in order to determine the levels of competencies before accepting the student into the school. It is the prerogative of the school to set its own expectations and standards of excellence when admitting concentrators.

A student may change the major area of study. Formal requests for a change of major are initiated in the Academic Advising Center. The student must be in good standing and must meet all the requirements for the new major before such a request may be honored. Students are expected to fulfill the degree requirements outlined in the current catalog. Acceptance into certain areas of concentration may also be restricted by enrollment.

Related Field - Holy Family University, as a general policy, does not have a related field requirement. Some programs, however, may prescribe a related field in support of their advanced coursework, e.g., students planning on certification to teach on the secondary level will be obliged to choose Education as a related field.

Minors - Currently, disciplines in the School of Arts and Sciences and the School of Business and Technology offer students an option to declare a minor. Students should declare a minor early in the Sophomore year in order to plan appropriate course offerings. To facilitate this, a student should consult his/her faculty advisor or the School Dean from which the minor is offered for direction in choosing and scheduling a minor concentration. The choices of available minors are described within the respective schools.

Interdisciplinary Programs

Students with special goals have an opportunity to concentrate in one of several currently available interdisciplinary programs including Biochemistry, Interdisciplinary Humanities, Neuroscience, and PPES. As indicated, each program involves two or more concentrations that already offer a major. Interdisciplinary programs are closely coordinated by a faculty advisor in each discipline who works with the student toward making this experience a meaningful and rewarding one.

All interdisciplinary programs include seminars and comprehensive examinations in accordance with the usual pattern of a degree program.

Pre-Professional Programs

Pre-professional programs offer students a combination of coursework and experiences which support their preparation for and application to designated professional programs of study.

Students participating in pre-professional programs benefit from focused advising offered through designated advisors and/or counselors.

Pre-Law – Students considering the study of law after graduation plan a program of study that develops abilities in logic and critical thinking, skills in writing and communication, and an analytical understanding of human institutions and values. Nationally, more pre-law students major in the humanistic disciplines of English, Philosophy, or History, supplemented by general studies in the Natural and Social Sciences and Mathematics. Interested students are advised to discuss their objectives with the School of Arts and Sciences pre-law advisor.

Pre-Dentistry, Optometry, Podiatry, Veterinary – Post-baccalaureate professional programs in health care recognize strong liberal arts training as the foundation of a successful career in the health care professions. Requirements to a professional program in health care may be met by taking Biology, Neuroscience or Biochemistry as the field of concentration. In any case, a candidate must excel in the sciences to receive favorable consideration for admission.

A Pre-Medical Advisory Committee serves an academic advising role providing assistance and support to those interested in entering a health professional career such as: medicine, dentistry, optometry, podiatry and veterinary medicine. For further information, consult a Pre-Medical Advisor in the School of Arts and Sciences.

Pre-Pharmacy – Students interested in admission into a college of pharmacy usually complete two years of undergraduate study before transferring to a professional school. Their pre-professional curriculum must include two semesters of general biology, general chemistry, organic chemistry, physics, calculus, and English composition, as well as courses in literature, social sciences, and the humanities and/or others as defined by the professional school of choice.

Minors

Students are encouraged to declare a minor early in order to plan appropriate course offerings. To facilitate this, a student should consult their professional or academic advisor or the School Dean from which the minor is offered for direction in choosing and scheduling a minor concentration. The choices of available minors are described within the respective schools.

School of Arts and Sciences

Contact Information

Jennifer DeCicco, PhD, Dean

Jaclyn Myers, PhD, *Associate Dean of Natural Sciences and Math*

Stacy McDonald, PhD, *Associate Dean of Social and Behavioral Sciences*

Susan Rogers, PhD, *Health Sciences Coordinator, Assistant Professor*

Samantha Barteld, PhD, *Radiologic Science Program Director*

Information about Holy Family University's Masters and Doctoral Programs is available in the Graduate Course Catalog.

Mission

The School of Arts and Sciences affirms the Mission of Holy Family University and accepts the centrality of the school's role and responsibility in accomplishing its goals. The University seeks "direction and inspiration from the life and teaching of Jesus Christ, affirms the values of the Judeo-Christian tradition, and witnesses the dignity of the human person and the oneness of the human family." (University Mission Statement) In this context the School of Arts and Sciences commits itself to the search for and integration of knowledge and through its disciplines, dynamically promotes the growth of the following capacities within each student:

- Religious and spiritual values
- Self-knowledge and insight
- Moral and ethical sensibilities
- Enduring intellectual curiosity
- Aesthetic appreciation
- Critical, creative and analytical thinking
- Articulate written and oral communication skills
- Scientific understanding and technological skills
- Service and responsibility to the community
- Informed historical, cultural and social perspectives

Undergraduate Degree Programs

Bachelor of Arts

- Applies Studies
- Art
 - Concentrations in:*
 - Studio Art
 - Graphic Design
 - Graphic Design-Marketing
 - Pre-Art Therapy
 - Art Education
- Criminal Justice
- English
- History
- Interdisciplinary Humanities
- Mathematics
- Neuroscience
- Philosophy, Political Science, Economics and Sociology
- Psychology
- Religious Studies

Bachelor of Science

- Biochemistry
- Biology
 - Concentrations in:*
 - General Biology
 - Pre-Medicine
 - Pre-Physical Therapy
 - Pre-Physician's Assistant

- Biotechnology
- Emergency Medical Services and Leadership
- Exercise Science
- Integrated Health Promotion
- Medical Laboratory Science
- Nutrition
- Radiologic Science (BSRS)

Concentrations in:

- General
- Computed Tomography*
- Magnetic Resonance*
- Vascular Interventional*
- Mammography*

*Can be completed as post-primary non-degree certificate tracks

Associate of Science

- Associate in Health Sciences (AS HS)
- Radiologic Science (ASRS)

Minors

- | | | |
|-------------------------|---------------------------------|-----------------------------|
| • Actuarial Science | • American Studies | • Applied Behavior Analysis |
| • Child Life Specialist | • Childhood Studies | • Creative Writing |
| • Criminal Justice | • English | • Environmental Science |
| • Forensic Sciences | • Gerontology | • History |
| • Health Humanities | • Mathematics | • Mental Health Services |
| • Natural Sciences | • Neuroscience | • Philosophy |
| • Political Science | • Pre-Law | • Psychology |
| • Religious Studies | • Second Degree Nursing Pathway | • Sociology |
| • Spanish | • Studio Art | |

Dismissal Policy

The School of Arts and Sciences follows the following academic program dismissal policy. If a student does not earn a “C” or better in a course required for their major after a second attempt, the student will be dismissed from their academic program.

The Associates degree in Radiologic Science and Bachelor’s Degree in Radiologic Science follow specific program dismissal policies that are outlined in their respective portion of the catalog and do not follow the above-mentioned policy.

In addition, the Biology Pre-Med program follows a minimum GPA requirement at the end of the sophomore year (60 credits). Please see the Biology Pre-Med program page for this GPA requirement. The Biology Pre-Med program also follows the policy above-If a student does not earn a “C” or better in a course required for their major after a second attempt, the student will be dismissed from their academic program.

Degree Programs in the School of Arts and Sciences

Applied Studies

Learning Outcomes

The successful Student will be able to:

- Analyze interdisciplinary problems by integrating core concepts from multiple fields, demonstrating critical thinking and the ability to make informed decisions about real-world issues.

- Apply learned skills and theoretical frameworks through practical projects, case studies, or workplace-based experiences relevant to students' career goals and intellectual interests.
- Evaluate ethical dilemmas using established reasoning strategies, reflecting on personal and societal impacts while demonstrating the values of Holy Family University.
- Synthesize knowledge from core and concentration areas to create innovative solutions and well-reasoned arguments in diverse contexts.

Course and Credit Requirements

Core Curriculum: BA Requirements (credits) 45

Major Requirements

Customizable Concentration Coursework (credits): 72

Required Capstone Course (credits) 3

General Education Core Curriculum

Replacement of HFE 100/200/300 with one additional "core replacement" course. Transfer credits and Prior Learning Assessment can be utilized towards many of these credits and/or credits within the core concentration. The goal is to create a flexible opportunity for students to move quickly into the Applied Studies Major.

Customizable Concentration Coursework

The Guided Concentrations provide distinct yet complementary thematic groupings, offering a more structured option for students who prefer a curated framework for their 72 credits while maintaining an interdisciplinary, flexible, and personalized focus. Students may distribute these 72 credits across any combination of concentration areas that align with their interests and career goals. In collaboration with a faculty advisor, each student selects 24 courses (3 credits each) within the track that best fits their academic and professional plans. At least 7 of these courses must be at the 300 or 400 level, though they may come from any concentration. A * indicates that the course has at least one prerequisite, see the Holy Family Course Catalogue for more details.

Concentration 1: Professional and Personal Enrichment

The Professional and Personal Enrichment concentration is a unique program for modern adult learners who want to combine intellectual growth with practical career skills. It offers a blend of courses which challenge thinking while providing tangible abilities that can be used right away. This concentration helps develop a strong intellectual foundation through courses such as Creative Writing, Philosophy and the Good Life, and Identity, which foster critical thinking and a deeper understanding of the world. At the same time, this concentration allows students to build professional skills with courses in Web design and E-Commerce, Graphic Design, and Professional and Technical Writing, preparing students for new career opportunities.

Possible Courses in Concentration 1:

ARTS 202: Digital Design
 ARTS 212: Webdesign and E-Commerce
 ARTS 315: Graphic Design
 ARTS 316: Digital Photo
 ARTS 317: Digital Illustration
 ARTS 318: Graphic Design II
 ARTS 330: Digital Photography II
 ENGL 209: Creative Writing
 *ENGL 216 Prof. and Technical Writing
 ENGL 230 Journalism I
 *ENGL 312: Creative Non-Fiction Writing
 *ENGL 315: Poetry Writing
 ENGL 417: Podcasting and Vlogging
 HFEX 378: Health Activism
 HFEX 395: The Economy of Money, Banking, and Finance
 HFEX 398: Human Centered Leadership
 MATH 109: Financial Literacy
 MATH 130: Statistics
 PHIL 101: Philosophy and the Good Life
 PHIL 201: Philosophy of Human Nature
 PHIL 202: Logic
 PHIL 210: Asian Philosophy
 PHIL 215: Existential Philosophy
 PHIL 216: Philosophy of Love

PHIL 222: Identity
 PHIL 303: Philosophy of Art
 PSYC 110: Introduction to Psychology
 PSYC 111: Behavior Practitioner Prep.
 PSYC 212: Psychology of Health & Illness
 PSYC 220: Addictions-Life Perspective
 PSYC 221: Art Therapy
 PSYC 330: Positive Psychology
 *PSYC 346: Theories of Personality
 SPAN 105: Spanish for Healthcare I
 SPAN 106: Spanish for Healthcare

Concentration 2: Socio-Cultural Approaches to Society and Ethics

The Socio-Cultural Approaches to Society and Ethics concentration explores the complex interactions between culture, society, and ethical decision-making in a diverse and interconnected world. Designed for adult learners, this concentration combines a broad range of topics, including multicultural communication, social movements, human rights, environmental ethics, criminal justice systems, and global political dynamics. The courses in this concentration encourage critical thinking about contemporary social problems through a socio-cultural lens, fostering skills in empathy, cultural competence, and ethical reasoning.

Possible Courses in Concentration 2:

ASL 101: American Sign Language
 COMM 115: Communication and Culture
 CRJU 202: Comp. Criminal Justice System
 CRJU 305: Transnational Organized Crime
 ENGL 419: Multicultural Storytelling
 ENGL 406: Read & Writing Our Env.
 ENVS 101: Environmental Science
 HIST 316: Amer Foreign Policy
 HIST 320: Genocide in Modern World Hist
 HIST 402: Soc Mov'n'ts in Hist
 HIST 312: Amer Immigration Hist
 HIST 322: The Global 1960S
 HFEX 378: Health Activism
 PHIL 301: Ethics
 PHIL 205: Bioethics
 POLS 204: Amer Nat'l Gov't
 POLS 210: Intro Int'l Relations
 POLS 212: Real Talk
 POLS 214: Current Events
 POLS 320: Theories of Social Change
 PPES 309: Political Ideologies
 PPES 310: Who Has Rev. Knowledge?
 PPES 317: Race and Labor
 PSYC 309: Multicultural Mental Health
 RELS 104: World Religions
 RELS 405: Life and Death: Christian Decision Making
 SOCO 101: Introductory Sociology
 SOCO 201: Social Problems
 SOCO 212: Race, Class, and Gender
 SPAN 101/102: Introductory Spanish
 SPAN 213: Spanish for Criminal Justice
 SPAN 302: Hispanic American Heritage

Concentration 3: Science, Health, and Wellness

The Science, Health, and Wellness concentration offers a series of interdisciplinary courses focused on the holistic understanding of human well-being, encompassing physical, mental, and social health. Within this concentration, students will be able to explore coursework within health-related fields and the broader fields of the social and natural sciences.

Possible Courses in Concentration 3:

BIOL 112: Human Physiology (Lab)
BIOL 115: Introduction to Neuroscience
BIOT 201: Introduction to Biotechnology
CHEM 130: Chemistry Hidden Force for Society
ENVS 101: Environmental Science (Lab)
GSCI 114: Introduction to Forensic Science
PHYS 104: Introduction to Physics (Lab)
EMSL 110: Foundations of Emergency Care
EMSL 120: Emergency Response Fundamentals
EXER 101: Intro to Exercise Science (Lab)
ENGL 323: Healing, Illness, and Stories
HSCS 101: Pop Culture and Health
HSCS 200: Informatics for Healthcare
HSCS 210: Intro to Healthcare Professions
HHUM 201: Humanities and Healthcare
HPWE 202: Strategies of Stress Mgt
HPWE: Intro to Health and Wellness
*HPWE 206: Nutrition
*HPWE 360: Health Policy
PSYC 110: Introduction to Psychology
PSYC 111: Behavior Practitioner Training
PSYC 204: Infant & Child Development
PSYC 213: Adolescent Development
PSYC 207: Adult Development & Aging
*PSYC 333: Principles of Behavior Change
PSYC 354: Intro to Autism Spectrum
PSYC 357: Developmental Psych
PSYC 356: Intro to Clinical Applications
PSYC 212: Psych of Health and Illness
*PSYC 338: Psychology and Literature
PSYC 341: Family Violence
PSYC 342: Loss and Grief
*PSYC 343: Social Psychology
PSYC 347: Intro to School Counseling
PSYC 348: Child Life Theory and Practice
PSYC 355: Behav. Applications in Autism
PSYC 358: Behavior Change Procedures
*PSYC 425: Psychological Assessment
PSYC 220: Addictions
PSYC 221: Art Therapy
PSYC 270: Psychology & Popular Culture
PSYC 275: Psych & Sociology of Sport
PSYC 330: Positive Psychology
PSYC 309: Multicultural Mental Health
*PSYC 345: Psychopathology
*PSYC 305: Physiological Psychology
SOCO 206: Marriage and the Family
RELS 405: Life and Death: Christian Decision Making

Required Capstone Course

APLS 400: Applied Studies Capstone

Other Requirements

Though completing this program results in a student earning a Bachelor's degree, traditional first-time college students are not eligible to enroll in this major. Students must meet the following criteria to be eligible for this major:

- Graduated high school or earned their GED
- Employed full-time or have full-time personal responsibilities preventing them from enrolling full-time, consistently, in a traditional 15-credits per semester bachelor's program
- Earned some (or no) college credits, but no college degree
- Motivated by professional advancement, career change, and skill acquisition

Art

- Graphic Design
- Graphic Design-Marketing
- Pre-Art Therapy
- Studio Art
- Art Education (K-12 Certification)

Learning Outcomes

The successful Student will be able to:

- Demonstrate technical skills in their artwork.
- Communicate concepts effectively in their artwork.
- Demonstrate the ability to critically analyze one's own work.

Course and Credit Requirements

Core Curriculum: BA Requirements (credits)

45

Graphic Design Track

All track requirements must be taken in addition to the core curriculum requirements.

66

ARTS 102	Art Appreciation	3
ARTS 202	Digital Design	3
ARTS 212	Web Design & E-Commerce	3
ARTS 213	Art History: Ancient to Renaissance	3
ARTS 214	Art History: Renaissance to Modern	3
ARTS 223	Two-Dimensional Design	3
ARTS 225	Drawing and Composition	3
ARTS 230	Elements of Typography	3
ARTS 315	Graphic Design	3
ARTS 316	Digital Photography	3
ARTS 317	Computer Illustration	3
ARTS 318*	Graphic Design II	3
ARTS 319	Painting I	3
ARTS 323	Printmaking I	3
ARTS 325	Seminar in Art History	3
ARTS 330*	Digital Photography II	3
ARTS 350	Internship	3
ARTS 327	Advanced Studio Art III	3
ARTS 427	Research Seminar	3
ARTS 428	Independent Project	3

Communications courses

COMM 115	Communications and Culture	3
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Art electives (choose three credits from among the following):

ARTS 210, 211*	Watercolor I, II	3
ARTS 217, 218	Sculpture I, II	3
ARTS 221	Introduction to Art Therapy	3
ARTS 224	Three-Dimensional Design	3
ARTS 320*	Painting II	3
ARTS 321, 322*	Ceramics I, II	3
ARTS 324*	Printmaking II	3
ARTS 499	Special Topics	3

Three (3) Free Elective Courses	9
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Other Requirements

- Successful completion of comprehensive exam.
- Portfolio presentation.

*Denotes a course that has a prerequisite, please see the course descriptions for more information

Graphic Design Track – Marketing Specialization

All track requirements must be taken in addition to the core curriculum requirements. 75

ARTS 102	Art Appreciation	3
ARTS 202	Digital Design	3
ARTS 212	Web Design & E-Commerce	3
ARTS 213	Art History: Ancient to Renaissance	3
ARTS 214	Art History: Renaissance to Modern	3
ARTS 223	Two-Dimensional Design	3
ARTS 225	Drawing and Composition	3
ARTS 230	Elements of Typography	3
ARTS 315	Graphic Design	3
ARTS 316	Digital Photography	3
ARTS 317	Computer Illustration	3
ARTS 318*	Graphic Design II	3
ARTS 319	Painting I	3
ARTS 323	Printmaking I	3
ARTS 325	Seminar in Art History	3
ARTS 327	Advanced Studio Art III	3
ARTS 330*	Digital Photography II	3
ARTS 350	Internship	3
ARTS 427	Research Seminar	3
ARTS 428	Independent Project	3

Business and Technology – Marketing courses

BUSA 100	Intro to Business	3
MNMK 312	Principles of Marketing	3
MNMK 316	Digital Marketing	3
MNMK 405	Principles of Advertising	3
MNMK 406	Consumer Behavior	3
MNMK 410	Organizational Behavior	3

Other Requirements

COMM 115	Communication & Culture	3
One (1) Free Elective Course		3
•	Successful completion of comprehensive exam.	
•	Portfolio presentation.	

*Denotes a course that has a prerequisite, please see the course descriptions for more information

Pre-Art Therapy Track

All track requirements must be taken in addition to the core curriculum requirements. 42

ARTS 102	Art Appreciation	3
ARTS 213	Art History: Ancient to Renaissance	3
ARTS 214	Art History: Renaissance to Modern	3
ARTS 217	Sculpture I	3
ARTS 221	Introduction to Art Therapy	3
ARTS 223	Two-Dimensional Design	3
ARTS 224	Three-Dimensional Design	3
ARTS 225	Drawing and Composition	3
ARTS 226	Drawing from the Model	3
ARTS 319	Painting I	3
ARTS 321	Ceramics I	3
ARTS 325 or 326	Seminars in Art History	3
ARTS 350	Internship	3
ARTS 327	Advanced Studio Art III	3
ARTS 427	Research Seminar	3

Psychology (12 credits)

PSYC 110	Introduction to Psychology	3
PSYC 213	Adol Development (Fulfills a Tier 2 Gen Ed)	3
PSYC 204	Infant & Child Development	3
PSYC 345	Psychopathology	3
Psychology Elective (<i>May not be PSYC 208</i>)		3

Art electives (choose six credits from among the following):

ARTS 210	Watercolor I	3
ARTS 212	Web Design & E-Commerce	3
ARTS 218*	Sculpture II	3
ARTS 230	Elements of Typography	3
ARTS 315	Graphic Design	3
ARTS 316	Digital Photography	3
ARTS 317	Computer Illustration	3
ARTS 318*	Graphic Design II	3
ARTS 320*	Painting II	3
ARTS 322*	Ceramics II	3
ARTS 323	Printmaking I	3
ARTS 324*	Printmaking II	3
ARTS 330	Digital Photography	3
ARTS 499	Special Topics	3

Four (4) Free Elective Courses 12

Other Requirements

- Successful completion of comprehensive exam.
- Portfolio presentation.

*Denotes a course that has a prerequisite, please see the course descriptions for more information

Studio Art Track**All track requirements must be taken in addition to the core curriculum requirements.**

		39
ARTS 102	Art Appreciation	3
ARTS 213	Art History: Ancient to Renaissance	3
ARTS 214	Art History: Renaissance to Modern	3
ARTS 217	Sculpture I	3
ARTS 223	Two-Dimensional Design	3
ARTS 224	Three-Dimensional Design	3
ARTS 225	Drawing and Composition	3
ARTS 226	Drawing from the Model	3
ARTS 319	Painting I	3
ARTS 325 or 326	Seminars in Art History	3
ARTS 327	Advanced Studio Art III	3
ARTS 350	Internship	3
ARTS 427	Research Seminar	3
ARTS 428	Independent Project	3

Art electives (choose nine credits from among the following):

ARTS 210, 211	Watercolor I, II	3, 3
ARTS 212	Web Design & E-Commerce	3
ARTS 218*	Sculpture II	3
ARTS 221	Introduction to Art Therapy	3
ARTS 230	Elements of Typography	3
ARTS 315	Graphic Design	3
ARTS 316	Digital Photography	3
ARTS 317	Computer Illustration	3
ARTS 318*	Graphic Design II	3
ARTS 320*	Painting II	3

ARTS 321, 322*	Ceramics I, II	3, 3
ARTS 323, 324*	Printmaking I, II	3, 3
ARTS 330	Digital Photography	3
ARTS 499	Special Topics	3

Eight (8) Free Elective Courses 24

Other Requirements

- Successful completion of comprehensive exam.
- Portfolio presentation.

*Denotes a course that has a prerequisite, please see the course descriptions for more information

Art Education (K-12 Certification)

Course and Credit Requirements

Total required credits: 131-133

Core Curriculum: BA Requirements* 45

Studio Arts Requirements

ARTS 213	Art History I	3
ARTS 214	Art History II	3
ARTS 217	Sculpture I	3
ARTS 223	Two-Dimensional Design	3
ARTS 224	Three-Dimensional Design	3
ARTS 225	Drawing and Composition	3
ARTS 226	Drawing from the Model	3
ARTS 310	Elementary Arts Education	3
ARTS 311	Art in the Secondary School	3
ARTS 319	Painting I	3
ARTS 321	Ceramics	3
ARTS 323	Printmaking	3
ARTS 325	Seminar in Art History	3
ARTS 327	Advanced Studio III	3
ARTS 427	Research Seminar	3
ARTS 428	Research Seminar	3
Art Elective	Second Level Studio Course	3

Art electives must include ARTS 323: Printmaking; ARTS 321: Ceramics; and a second level studio course.

Education Requirements

Field experience may be required.

EDSP 203	Foundations in Inclusive Education for All Learners	3
EDSP 206	Collaboration and Assessment	3
EDSP 304	Collaboration and Best Practices for All Learners	3
EDUC 205	Teaching Reading in the Content Area	3
EDUN 201	Educational Psychology	3
EDUN 303	Meeting the Needs of English language Learners	3
EDUN 315	Practicum I (Field Experience/Mentorship)	1
EDUN 316	Practicum II (Field Experience/Mentorship)	1
EDUN 320	Classroom Management	3
EDUN 412	Student Teaching: Secondary Education	6
PSYC 204	Infant and Child Development	3

For teacher certification requirements see School of Education.

**PDE Requirements

ENGL	Approved Literature Course (Tier 2)	3
MATH	Two (2) Approved Mathematics Courses (Tier 2)	6-8
PHIL 303	Philosophy of Art	3
PSYC 213	Adolescent Development (Tier 2)	3

Other Requirements for Art Education

- Portfolio review
- Comprehensive exam in Education

Biochemistry

Learning Outcomes

The successful student will be able to

- Apply the concepts of biology and chemistry to critically analyze primary scientific literature.
- Demonstrate knowledge of the fundamental principles of biology
- Demonstrate knowledge of the fundamental principles of organic, analytical, biological, and physical chemistry.
- Apply the principles and techniques of biochemistry to perform an independent research investigation.

Course and Credit Requirements

Core Curriculum: BS Requirements (credits*) 45

Concentration

BIOL 120	Biological Principles I	4
BIOL 108	Freshman Seminar in Biology	2
BIOL 211/L	Cell Biology	4
BIOL 304	Principles of Genetics	3
BIOL 360	Internship	3
BIOL 413	Scientific Literacy	3
BIOL 414	Scientific Communication	2
CHEM 120, 121	Chemistry Principles I, II	4, 4
MATH 130	Elementary Statistics	3
CHEM 207, 208	Organic Chemistry I, II	4, 4
PHYS 201, 202	General Physics I, II	4, 4
BIOL 313	Basic Elements of Pharmacology and Toxicology	3
BIOL 412/L	Molecular Genetics	4
BIOL 417/L, 418/L	Modern Concepts in Biochemistry I, II	4, 4
CHEM 340	Physical Chemistry for Biochemists	3

Required Master Elective (minimum of 6 credits)

Complete two (2) courses (minimum of 6 credits). Choose from the subjects of Biology, Chemistry and Mathematics. Choose from the levels of 300 and 400.

Required Free Electives (minimum of 3 credits)

Complete one (1) course (minimum of 3 credits) without restriction.

*Students in the biochemistry major are required to take MATH 210 or MATH 211 as a Tier 2 General Education course. This course prepares students with the prerequisite needed for PHYS 201/202.

Biology

Learning Outcomes

The successful student will be able to:

- Communicate effectively the main thesis of a research article and to provide a critique in conversation with professionals in the field.
- Demonstrate a mastery of the breadth and body of knowledge found in undergraduate coursework of the biological sciences, namely: cellular biology, genetics, organismal structure and function, and interaction of organisms within their environment (evolutionary history).
- Apply the scientific process to biological problems.

Course and Credit Requirements

Core Curriculum: BS Requirements (credits) 45

Concentration

BIOL 120, 121	Biological Principles I, II	4, 4
BIOL 108	Freshman Seminar in Biology	2
BIOL 211/L	Cell Biology	4
BIOL 304	Principles of Genetics	3
BIOL 332	Ecology	3
BIOL 360	Internship	3
BIOL 413	Scientific Literacy	3
BIOL 414	Scientific Communication	2
CHEM 120, 121	Chemistry Principles I, II	4, 4
MATH 130	Elementary Statistics	3
CHEM 207, 208	Organic Chemistry	4, 4
or		
PHYS 201, 202		4, 4

Electives**Required Biology General Elective (minimum of 9 credits)**

Complete three (3) courses (minimum of 9 credits). Choose from the subjects of Biology, Environmental Science, Chemistry, Physics, or MATH 212. Choose from the levels of 200, 300, and 400.

Required Biology Master Elective (minimum of 12 credits)

Complete four (4) courses (minimum of 12 credits). Choose from the subjects of Biology, Environmental Science, and Chemistry. Choose from the levels of 300 and 400.

Required Free Electives (minimum of 6 credits)

Complete two (2) courses (minimum of 6 credits) without restriction

Other Requirements

- Successful completion of written and oral components of comprehensive exam and poster presentation
- Continuation in the major requires a GPA of 2.5 in all completed science courses

Biology Secondary Education (7-12 certification)**Course and Credit Requirements**

Total required credits: 131

Core Curriculum: BA Requirements* 45

Biology Requirements

BIOL 120, 121	Biological Principles I, II	4, 4
BIOL 207, 208	Anatomy and Physiology I, II (with lab)	4, 4
BIOL 211/L	Cell Biology	4
BIOL 304	Principles of Genetics	3
BIOL 324	Inorganic, Organic and Cultural Evolution	3
BIOL 332	Ecology	3
BIOL3xx/4xx	Biology Elective at the 300/400 level	3
PHIL 205	Bioethics	3

Education Requirements

Field experience may be required.

EDSP 203	Foundations in Inclusive Education for All Learners	3
EDSP 206	Collaboration and Assessment	3
EDSP 304	Collaboration and Best Practices for All Learners	3
EDUC 205	Teaching Reading in the Content Area	3
EDUN 201	Educational Psychology	3
EDUN 303	Meeting the Needs of English language Learners	3
EDUN 315	Practicum I (Field Experience/Mentorship)	1
EDUN 316	Practicum II (Field Experience/Mentorship)	1
EDUN 320	Classroom Management	3
EDUN 331**	General Methods and Technology	3
EDUN 332**	Education Methods and Curriculum in the Content Area	3
EDUN 412	Student Teaching: Secondary Education	6

****PDE Requirements**

ENGL	Approved Literature Course (Tier 2)	3
MATH	Two (2) Approved Mathematics Courses (Tier 2)	
PSYC 213	Adolescent Development (Tier 2)	

Other Requirements

CHEM 120, 121	Chemistry Principles I, II (with lab)	4, 4
ENGL	Approved Literature Course	3
ENVS 101***	Environmental Science	3
	or	
GSCI 105***	Living in the Environment	3
PHYS 104	Introduction to Physics	3
	or	
GSCI 110	The Science of Physics (with lab)	3
MATH 210	Calculus for Biological Sciences	4
	or	
MATH 211***	Calculus I	4
MATH 130	Elementary Statistics	3
PHIL 205	Bioethics	3

At least 9 credits in 200/300-level Biology coursework must be completed at Holy Family to meet degree requirements.

*** May be taken as part of the core requirements

Other Requirements for Biology with Certification in Secondary Education

Successful completion of a Biology comprehensive exam and an Education comprehensive exam.

Pre-Med Track in Biology**Course and Credit Requirements**

Core Curriculum: BS Requirements (credits*)	45
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Concentration

BIOL 120, 121	Biological Principles I, II	4, 4
BIOL 108	Freshman Seminar in Biology	2
BIOL 207, 208	Anatomy and Physiology I, II	4, 4
BIOL 211/L	Cell Biology	4
BIOL 304	Principles of Genetics	3
BIOL 332	Ecology	3
BIOL 360	Internship I	3
BIOL 417/L, 418/L	Modern Concepts in Biochemistry I, II	4, 4
BIOL 345	Advanced Critical Reasoning	3
BIOL 413	Scientific Literacy	3
BIOL 414	Scientific Communication	2
CHEM 120, 121	Chemistry Principles I, II	4, 4
CHEM 207, 208	Organic Chemistry I, II	4, 4
MATH 130	Elementary Statistics	3
PHYS 201, 202	General Physics I, II	4, 4

Electives**Required Biology Master Elective (minimum of 3 credits)**

Complete 1 course (minimum of 3 credits) Choose from the subjects of Biology and Chemistry. Choose from the levels of 300 and 400.

Other Requirements

- Successful completion of written and oral components of comprehensive exam and poster presentation
- Students enrolled in the Pre-Medical Track are required to maintain a 3.3 cumulative GPA or higher in all coursework since this is the minimum GPA required in order to receive a letter of recommendation from the Pre-

Medical Advisory Committee. Students in the track who have a cumulative GPA less than 3.3 at the end of their sophomore year will transition to the BA in BIOL program.

Pre-Admission Graduate School Requirement

*MATH 210/211 and PSYC 110 are to be taken as a Tier 2 courses in the General Education Core Curriculum for pre-admission requirements necessary for medical school applications.

Pre-Physical Therapy Track in Biology

Course and Credit Requirements

Core Curriculum: BS Requirements (credits*) 45

Concentration*

BIOL 120, 121	Biological Principles I, II	4, 4
BIOL 108	Freshman Seminar in Biology	3
BIOL 207, 208	Anatomy and Physiology I, II	4, 4
BIOL 211/L	Cell Biology	4
BIOL 304	Principles of Genetics	3
BIOL 307	Medical Terminology	3
BIOL 332	Ecology	3
BIOL 333	Kinesiology and Biomechanics	3
BIOL 360	Internship I	3
BIOL 413	Scientific Literacy	3
BIOL 414	Scientific Communication	2
CHEM 120, 121	Chemistry Principles I, II	4, 4
MATH 130	Elementary Statistics	3
PHYS 201, 202	General Physics I, II	4, 4
HPWE 206	Nutrition	3

Electives

Required Biology Master Elective (minimum of 12 credits)

Complete 4 courses (minimum of 12 credits). Choose from the subjects of Biology and chemistry. Choose from the levels of 300 and 400.

Other Requirements

- Successful completion of written and oral components of comprehensive exam and poster presentation

Pre-Admission Graduate School Requirement

*MATH 210/211 and PSYC 208 are to be taken as a Tier 2 courses in the General Education Core Curriculum for pre-admission requirements necessary for graduate applications.

Pre-Physician Assistant Therapy Track in Biology

Course and Credit Requirements

Core Curriculum: BS Requirements (credits*) 45

Concentration*

BIOL 120, 121	Biological Principles I, II	4, 4
BIOL 108	Freshman Seminar in Biology	2
BIOL 207, 208	Anatomy and Physiology I, II	4, 4
BIOL 211/L	Cell Biology	4
BIOL 300	Advanced Microbiology	4
BIOL 304	Principles of Genetics	3
BIOL 307	Medical Terminology	3
BIOL 332	Ecology	3
BIOL 340	Introduction to Clinical Practice	3
BIOL 360	Internship I	3
BIOL 413	Scientific Literacy	3
BIOL 414	Scientific Communication	3
CHEM 120, 121	Chemistry Principles I, II	4, 4
CHEM 207, 208	Organic Chemistry I, II	4, 4

Required Electives**Required Biology Mastery Electives (minimum of 9 credits)**

Choose from the subjects of Biology and Chemistry. Choose from the levels of 300 and 400.

Other Requirements

- Successful completion of written and oral components of comprehensive exam and poster presentation

Pre-Admission Graduate School Requirement

*MATH 210/211 and PSYC 110 are to be taken as a Tier 2 courses in the General Education Core Curriculum for pre-admission requirements necessary for graduate application to become a physician assistant.

Biotechnology**Learning Outcomes**

A student will be able to:

- Demonstrate a comprehensive understanding of core concepts in biotechnology including molecular biology, cell biology, genetics, and chemistry.
- apply laboratory skills essential for biotechnology, conduct precise and accurate benchwork.
- Exhibit proficiency in scientific communication, both written and oral, to effectively convey complex biotechnological concepts to diverse audiences.
- Utilize critical thinking and analytical skills to develop innovative solutions for complex biological and technological problems.

Course and Credit Requirements

Core Curriculum: BS Requirements (credits)* 45

Concentration

Math 150 College Alg & Trig	3
BIOL 108 Freshman Seminar	2
BIOL 120 Introduction to Biological Principles I	4
CHEM 120 Chemistry Principles I	4
CHEM 121 Chemistry Principles II	4
BIOT 201 Foundations of Biotechnology	4
BIOT 202 Introduction to Regulatory Affairs & Quality Systems	3
BIOT 203 Bioinformatics and Data Analysis	3
BIOL 206 Microbiology or 300 Advanced Microbiology	4
BIOL 211 Cell Biology	4
BIOT 302 Cell Culture and Bioprocessing	4
BIOL 304 Genetics	3
BIOT 304 Analytical Methodology	4
BIOT 305 Frontiers in Biotechnology	3
BIOL 330 Immunology	3
BIOL 360 Internship I	3
BIOT 401 Biotechnology Capstone	2
BIOL 412 Molecular Genetics	4

Major Electives

Choose 12 Credits of the following electives

BIOL 121 Biological Principles II	4
BIOL 313 Pharmacology and Toxicology	3
BIOL 312 Cell-Cell Interactions	3
BIOL 320 Molecular & Cellular Mechanisms of Human Disease	3
BIOL 334 Applied Neurodevelopment	4
BIOL 417 Biochemistry I	4
BIOL 418 Biochemistry II	4
CHEM 207 Organic Chemistry I	4
CHEM 208 Organic Chemistry II	4
PHYS 201 Physics I	4

SCMM 201-RIZE Forecasting & Logistics	3
SCMM 202-RIZE Sourcing and Operations	3
MNMK 315 Operations Management	3
MNMK 317 Business Project Management	3
MNMK 355 Entrepreneurship & the New Economy	3
NMK 340 Managing People & Organizations	3
BUSI 416 International Business	3

Required Free Electives (minimum of 3 credits)

Complete one (1) course (minimum of 3 credits) without restriction

Criminal Justice

Learning Outcomes

The successful student will be able to:

- Apply appropriate theoretical perspectives to explain crime and deviance.
- Analyze the specific context of criminological theories and crime control policies with reference to the social, political, and economic forces that shape them.
- Evaluate the structure and function of the various components of the criminal justice system.
- Apply methodological and analytical skills to the empirical analysis of a criminal justice issue or problem.
- Demonstrate professionalism, integrity, and competence as a practitioner in a criminal justice setting.

Course and Credit Requirements

Core Curriculum: BA Requirements (credits*) 45

Concentration

CRJU 101	Introduction to the Criminal Justice System	3
CRJU 200	Introduction to Criminology	3
CRJU 210	Law Enforcement	3
CRJU 300	Corrections	3
CRJU 318	The Court System and Court Procedures	3
CRJU 330	Junior Seminar in the Social Sciences	3
CRJU 360	Internship	3
CRJU 430	Senior Seminar in the Social Sciences	3
CRJU 407	Ethics in Criminal Justice	3
SOCO 101	Introductory Sociology	3
SOCO 208	Social Deviance	3
SOCO 212	Race, Class, Gender: Diversity	3
SOCO 311	Statistics for Social and Behavioral Sciences	3
SOCO 322	Research Methods for Social and Behavioral Sciences	3

CRJU electives – Five (5) courses 15

Free Elective Courses: Six (6) Courses 18

Other Requirements

- Successful completion of comprehensive exam.

*PSYC 110 is to be taken as a Tier 2 course in the General Education Core Curriculum.

Six-Year Bachelor of Arts in Criminal Justice/Master of Science in Counseling Psychology Program

The School of Arts and Sciences offers a BA/MS program that enables students to complete requirements for the degrees of Bachelor of Arts in Criminal Justice and Master of Science in Counseling Psychology in six years.

Undergraduates seeking admission to the dual degree program must have a minimum overall GPA of 3.5 and are eligible to apply in the spring semester of the junior year (the deadline for applications is March 1st). To apply for admission, candidates must submit the following materials to the Admissions Office:

- Completed Application to the Graduate Program in Counseling Psychology
- Official Undergraduate Transcript(s)
- Academic Writing Sample
- One Letter of Recommendation from a full-time faculty member

- One Letter of Recommendation from a full-time or part-time faculty member

Following review of all application materials and a successful interview with graduate program faculty, admission to the dual degree program will require the approval of the Graduate Program Director and the Dean of the School of Arts and Sciences. Accepted students will be permitted to take no more than twelve credits of graduate course work during the senior year of undergraduate study. These twelve graduate credits will be charged at the undergraduate tuition rate.

Specific graduate program requirements can be found in the Holy Family University Graduate Studies Catalog. Additional information can be provided by the student's academic advisor or by the Graduate Program Director.

Emergency Medical Services and Leadership

The Emergency Medical Services and Leadership program prepares students to assume roles in the field of emergency medicine or those interested in pursuing specialized leadership roles beyond basic healthcare provider, paramedic, or EMT positions. The program is designed to provide advanced knowledge, practical skills, and leadership training to prepare graduates for leadership roles in emergency medical services and healthcare management and leadership. The program integrates clinical expertise, operational knowledge, and leadership principles to cultivate well-rounded healthcare professionals who can effectively manage teams, improve systems, and provide high-quality patient care

Learning Outcomes

- Understand core concepts related to careers in Emergency Medical Services and Leadership.
- Identify factors that support those pursuing EMT or Paramedic Certifications and advancement in Leadership roles in Emergency response careers.
- Assess needs and challenges related to building strong leadership skills and evaluation of critical thinking abilities across diverse emergency response scenarios.
- Plan, implement, and evaluate programs to promote advanced knowledge, practical skills, and leadership training to prepare graduates for leadership roles in emergency medical services and healthcare management
- Exhibit professional and academic skills needed to cultivate well-rounded healthcare professionals who can effectively manage teams, improve systems, and provide high-quality patient care.

Course and Credit Requirements

Core Curriculum: BS Requirements	45
Credits for Degree	120

Concentration

EMSL 110	Foundations of Emergency Care	3
EMSL 112	Cardiac and Respiratory Emergencies	3
EMSL 113	Special Populations and Situations	1
EMSL 114	Adult Medical Emergencies	3
EMSL 120	Emergency Response Fundamentals	3
EMSL 200	Medication Administration	1
EMSL 210	EMS Operations	3
EMSL 300	Assessment Based Management	3
EMSL 400	EMS Managing HC Teams Leadership	3
EMSL 405	OB/GYN/Newborn/Pediatric Mgmt. of care	3
EMSL 410	EMS Critical Care Medicine	3
EMSL 411	EMS Clinical Practice	3
EMSL 420	Clinical Judgment and Decision making	2
HSCS 320	Basic Pharmacology for Healthcare Providers	3
HSCS 310	Physical/Health Assessment Through the lifespan for Healthcare Providers	4
HSCS 410	Pathophysiology for Health Professions	3

Additional Requirements

BIOL 113	Human Physiology	3
BIOL 207/L	Anatomy & Physiology	4
BIOL 208/L	Anatomy & Physiology	4
BIOL-307	Medical Terminology	3

BIOL 340	Intro to Clinical Practice	3
HSCS 101	Pop Culture and Health	3
HSCS 200	Informatics for Health Care	3
HSCS 210	Intro to Healthcare Professions	3
HSCS 212	Professional Development for Health Professions	1
HSCS 300	Legal and Ethical issues in Healthcare	3
HFE 100	100 Blueprint	1
HFE 200	200 Blueprint	1
HFE 300	300 Blueprint	1
HFEW 400	Interdisciplinary Seminar	3
HPWE 101	Introduction to Health Promotion and Wellness	3
HPWE 202	Strategies of Stress Management	3
HPWE-206	Nutrition	3
HPWE 355	Research for EBP	3
HPWE 360	Health Policy	3
Math 130	Elementary Statistics	3
PSYC 110	Intro to Psychology	3
PSYC-208	Psyc of Human Development	3
PSYC 212	Psychology of Health and Illness	3
SOCO 101	Intro to Sociology	3

Other Requirements

Successful completion of a comprehensive exam in Emergency Medical Services and Leadership Continuation in the Emergency Medical Services and Leadership major requires GPA 2.5 or above.

English

Learning Outcomes

The successful student will be able to:

- Analyze works representative of the major literary genres by employing key literary terms and concepts.
- Connect texts to literary, cultural, and historical contexts in order to develop arguments about the relationship between the writer's purpose and social or literary backdrops.
- Evaluate the ethical and social values set forth in literary works and explain their personal and critical responses to those values.
- Produce original scholarship that engages with literary criticism and/or cultural theory and that is thoughtful in content, polished in style, and accurate in mechanics.
- Produce original works of fiction, nonfiction, poetry, and/or drama that are thoughtful in content, polished in style, and intentional in mechanics.
- Develop and demonstrate professional skills, confidence, and competence through experiential learning.

Course and Credit Requirements

General Education Curriculum: BA Requirements (credits) 45

Courses taken as part of the general education curriculum:

ENGL 101	Writing I	3
	or	
ENGL 103	Honors Writing I	3
	And	
ENGL 115	Public Speaking	3

Concentration

All concentration requirements are taken in addition to general education curriculum requirements.

Requirements

English Major Core Requirements:		24
ENGL 228	Non-Western Literature	3
ENGL 225	American Literature	3
ENGL 220	British Literature	3
ENGL 207	Introduction to Literary Study	3
ENGL 209	Creative Writing	3
ENGL 350	Internship I	3

ENGL 360	Pathways to the Profession	3
ENGL 425	Scholarly Research Seminar	3

Free Elective Courses: Eight (8) 24

Nine English elective credits (27) to be distributed in the following way: 27

- **Two** 200 Level English Electives: Choose from among 200-level literature courses.
- **Three** 300 Level English Electives: Choose from among 300-level literature courses.
- **Four** 400 Level English Electives: Choose from among 400-level literature courses.

Other requirements

- Successful completion of comprehensive exam.

Secondary Certification (Grades 7-12)

For teacher certification requirements in English, see School of Education.

English Secondary Education (7-12 certification)

Course and Credit Requirements

Total required credits: 122 - 124

Core Curriculum: BA Requirements* 45

English Requirements**

English Major Core Requirements: 27

ENGL 228 Non-Western Literature	3
ENGL 225 American Literature	3
ENGL 220 British Literature	3
ENGL 207 Introduction to Literary Study	3
ENGL 209 Creative Writing	3
ENGL 240 Diversifying the High School Canon	3
ENGL 340 Writing Pedagogy and Practice	3
ENGL 410 Advanced Writing Workshop	3
ENGL 425 Scholarly Research Seminar	3

Four English elective credits (12) to be distributed the following way: 12

- One** 200 level English Electives: Choose from among 200-level literature courses 3
- One** 300 level English Electives: Choose from among 300-level English courses 3
- One** 400 English Electives: Choose from among 400-level English courses 3
- One** 300 or 400 English Elective: 3

** Minimum grade of "C" for all English requirements

English Secondary Education Requirements

*****NOTE: Pre-Education majors are not eligible to take 300- or 400- level education classes until formal acceptance into the School of Education has been granted.**

For more details regarding teacher certification requirements in English, see School of Education.

English Secondary Education Major Core Requirements: 38

EDSP 203 Inclusive Ed for All Learners	3
EDSP 206 Collaboration & Assessment	3
EDSP 304 Collaboration & Best Practices	3
EDUC 205 Rdf in Content Area	3
EDUN 201 Educational Psychology	3
EDUN 303 Meeting Needs of ELL	3
EDUN 315 Practicum I	1
EDUN 316 Practicum II	1
EDUN 320 Classroom Management	3
EDUN 331 Sec Meth/Techn'y	3
EDUN 332 Sec Ed Curr Cont Area	3
EDUN 408 Sec Education Student Teaching	8
EDUN 410 Sec Education Stud Teaching Seminar	

****PDE Related Requirements**

ENGL	Approved Literature Course (Tier 2)	3
MATH	Two (2) Approved Mathematics Courses (Tier 2)	6-8
PSYC 213	Adolescent Development (Tier 2)	3

Other Requirements for English Education

- Successful completion of a comprehensive exam in English and in Education.

For teacher certification requirements see School of Education.

Exercise Science**Learning Outcomes**

The successful student will be able to

- Demonstrate a comprehensive understanding of the scientific principles underlying human anatomy, physiology, biomechanics, exercise physiology, and motor learning.
- Apply knowledge of exercise, nutrition, and lifestyle factors in promoting health and preventing disease, with a focus on improving quality of life.
- Design and implement evidence-based exercise prescriptions for individuals across the lifespan, taking into consideration fitness levels, health status, and specific goals.
- Exhibit ethical behavior, professionalism, and effective communication skills in working with individuals and groups in clinical, fitness, and sport settings.

Course and Credit Requirements

Core Curriculum: BS Requirements (credits*)		45
EXER 101	Introduction to Exercise Science	3
EXER 305	Strength and Conditioning Theory	4
EXER 303	Physical Fitness and Assessment	4
EXER 301	Exercise Physiology	4
BIOL 207, 208	Anatomy and Physiology I, II	4, 4
BIOL 333	Kinesiology and Biomechanics	3
MATH 130	Elementary Statistics	3
or		
PSYC 311	Statistics for SBS	3
HPWE 325	Coaching Principles	3
HPWE 200	Health Promotion throughout Lifespan Development	3
PSYC 208	Lifespan Development	3
PSYC 110	Introduction to Psychology	3
HPWE 206	Nutrition	3
BIOL 360	Internship	3
PHYS 104	Introduction to Physics	3
or		
PHYS 201	General Physics I	4
EMSL 120	Emergency Response Fundamentals	3

Required Mastery Elective (minimum of 12 credits)

Choose from the following courses:

HHUM 201	Health Humanities	3
HPWE 202	Stress Management	3
HPWE 410	Health and Wellness Planning**	3
BIOL 320	Mechanisms of Disease**	3
BIOL 313	Pharmacology and Toxicology**	3
BIOL 334	Applied Neurodevelopment	3
CHEM 120	Chemistry I***	4
PSYC 212	Psychology of Health and Illness	3
PSYC 275	Psychology of Sport and Exercise	3
PSYC 333	Behavior Modifications	3
PSYC 315	Psychopharmacology	3

PSYC 330	Positive Psychology	3
PHYS 202	Physics II	4

*Students in the Exercise Science major are required to take BIOL 113 as their Tier 1 Lab Science course in the general education curriculum.

**Pre-requisite required

***Athletic Training Prerequisite

Free Elective (minimum of 9 credits)

Complete three courses (minimum of 9 credits) without restriction.

Other Requirements

Successful completion of the exercise science portfolio.

History

Learning Outcomes

The successful student will be able to:

- Demonstrate knowledge of cause and effect in history and the interconnectedness of historical events across time and place.
- Create historical arguments through the analysis of appropriate research materials.
- Compare favorably in their knowledge of U.S. history and world history with those students completing a similar program nationally.

Course and Credit Requirements

Core Curriculum: BA Requirements (credits)	45
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All concentration requirements must be taken in addition to core curriculum requirements.

HIST 108	Gladiators, Gods, Greeks--Ancient History	3
HIST 109	Medieval History from Samurai to Viking	3
HIST 203	Slavery, Liberty, & War: America to 1820	3
HIST 204	Conflict & Conquest: America 1820--1920	3
HIST 205	Becoming a Superpower: US Since 1920	3
HIST 208	Age of Empire: Modern World History	3
HIST 351	History Seminar I	3
HIST 428	Internship I	3
HIST 451	History Seminar II	3
Four (4) history electives		12

At least one course must be in American history and one course must be in a field outside American history.

Other Required Courses

GEOG 205	Principles of Geography	3
POLS 204	American National Government	
	or	
POLS 210	International Relations	3

Free Elective Courses: Ten (10 courses)	30
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Other Requirements

- Successful completion of comprehensive exam.

History/Social Studies Secondary Education (7-12 certification)

Course and Credit Requirements

Total required credits: 128-130

Core Curriculum: BA Requirements*	45
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History/Social Studies Requirements

ECON 203 or 204	Economic Theory-Micro or Economic Theory-Macro	3
HIST 108	Gladiators, Gods, Greeks--Ancient History	3
HIST 109	Medieval History from Samurai to Viking	3
HIST 203	Slavery, Liberty, & War: America to 1820	3
HIST 204	Conflict & Conquest: America 1820--1920	3
HIST 205	Becoming a Superpower: US Since 1920	3
HIST 208	Age of Empire: Modern World History	3
HIST 315	History of Pennsylvania	3
HIST 351	History Seminar I	3
HIST 405	The World Since 1945 (Tier 3)	3
HIST 451	History Seminar II	3
Three (3) History electives*		9
POLS 204	American National Government	3
POLS 210	Introduction to International Relations	3

* At least one course must be in American history and one course must be in a field outside American history.

Education Requirements

Field experience may be required.

EDSP 203	Foundations in Inclusive Education for All Learners	3
EDSP 206	Collaboration and Assessment	3
EDSP 304	Collaboration and Best Practices for All Learners	3
EDUC 205	Teaching Reading in the Content Area	3
EDUN 201	Educational Psychology	3
EDUN 303	Meeting the Needs of English language Learners	3
EDUN 315	Practicum I (Field Experience/Mentorship)	1
EDUN 316	Practicum II (Field Experience/Mentorship)	1
EDUN 320	Classroom Management	3
EDUN 331	General Methods and Technology	3
EDUN 332	Education Methods and Curriculum in the Content Area	3
EDUN 408	Sec Education Student Teaching	8
EDUN 410	Sec Educ Stud Teaching Seminar	1

****PDE Requirements**

ENGL	Approved Literature Course (Tier 3)	3
MATH	Two (2) Approved Mathematics Courses (Tier 2)	6-8
SOCO 212	Race, Class, Gender (Tier 2)	3
GEOG 205	Principles of Geography (Tier 2)	3
PSYC 213	Adolescent Development (Tier 2)	3

Other Requirements for History/Social Studies with Certification in Social Studies Secondary Education

- Successful completion of the comprehensive examination in History/Social Studies and a comprehensive exam in Education.

For teacher certification requirements see School of Education.

Integrated Health Promotion

The Integrated Health Promotion (HPWE) program prepares students to assume roles as wellness and health promotion professionals in private business, community organizations, and healthcare agencies. The innovative curriculum that stresses key health concerns identified by *Healthy People 2030* focuses on strategies to promote healthy behaviors and lifestyles with an emphasis on living well. Foundation courses such as anatomy, physiology, nutrition, and human development serve as building blocks for courses in the major where students plan, implement, and evaluate programs to promote healthy behaviors and wellness. This program includes a two-semester internship coordinated by our Experiential Learning program with an off-campus industry leader in promoting healthy lifestyles and wellness.

Learning Outcomes

- Understand core concepts related to health promotion and wellness across the lifespan.

- Identify factors that foster a healthy lifestyle and those associated with health risk and disease.
- Assess needs and challenges related to building healthy behaviors across diverse populations.
- Plan, implement, and evaluate programs to promote healthy behaviors and wellness.
- Exhibit professional and academic skills needed for graduate study or entry-level positions in the field.

Course and Credit Requirements

Core Curriculum: BS Requirements (credits) 45
Credits for Degree 122

Concentration

HPWE 101	Introduction to Health Promotion and Wellness	3
HPWE 200	Health Promotion through the Lifespan	3
HPWE 202	Strategies of Stress Management and Wellness	3
HPWE 206	Nutrition	3
HPWE 320	Teaching Strategies for Health Promotion and Wellness	3
HPWE 325	Coaching Principles for Health Promotion and Wellness	3
HPWE 355	Research for Evidenced Based Practice	3
HPWE 360	Health Policy: Global and National Perspectives	3
HPWE 410	Health Promotion and Wellness Program Planning	3
HPWE 444	Internship	3
HPWE 446	Theories of Health Behaviors	3
HPWE 450	Seminar: Contemporary Issues	3

Additional Requirements

BIOL 112	Introduction to Human Biology	3
or		
BIOL 113	Human Physiology	4
BIOL 207	Anatomy & Physiology I	4
BIOL 208	Anatomy & Physiology II	4
PSYC 110	Intro to Psychology	3
PSYC 208	Lifespan Development	3
PSYC 212	Psychology of Health and Illness	3
MATH 130	Elementary Statistics	3
or		
PSYC 311	Statistics for Social and Behavioral Sciences	3

Restricted Electives (Minimum 12 credits):

Restricted electives are selected in consultation with the IHP faculty advisor. Students are required to make sure all pre-requisites are satisfied for all classes. The following courses meet this requirement:

Courses from Health Sciences, Management-Marketing (MNMK), Psychology (PSYC), Sociology (SOCO) departments for the 200-, 300-, or 400-levels.

BIOL 333	Kinesiology and Biomechanics	3
NURS 202	Introduction to Professional Nursing	2
NURS 204	Foundations of Nursing Practice	5
NURS 345	Nursing & Older Adult Health Promotion	2
BUSA 100:	Intro to Business	3
ARTS 202:	Digital Design	3
ARTS 212:	Web Design & E-Commerce	3
ARTS 315:	Graphic Design	3

Free Electives (Minimum 15 credits)

Other Requirements

Successful completion of a comprehensive exam in Integrated Health Promotion.
Continuation in the Integrated Health Promotion major requires GPA 2.5 or above.

Interdisciplinary Humanities

Learning Outcomes

The successful student will be able to:

- Demonstrate a broad base of knowledge in at least three Humanities content areas.
- Integrate knowledge from two or more Humanities content areas to understand a cultural phenomenon.
- Apply knowledge from various Humanities content areas to think critically about social issues.

Course and Credit Requirements

Core Curriculum: BA Requirements (credits) 45 credits

Concentration

BA Requirements 48 credits

The Interdisciplinary Humanities major requires: (I) one course in each of the core areas (Literature, History, Art, Philosophy, and Religion); (II) a concentration, as explained below; (III) two seminary courses; (IV) five electives in the major; (V) an internship; (VI) a comprehensive exam; and (VII) nine additional courses (27 credits) beyond the Holy Family Experience core requirements (waived in the event of a double major).

Core Requirements

Take one course in each of the following core areas (5 courses; 15 total credits)

- Religion
- Literature
- Art
- History
- Philosophy

Concentration Requirements

All concentration requirements are taken in addition to core curriculum requirements. Choose one of the following as an area of focused study. Then take three (3) elective courses in that area (9 credits). At least two (2) must be 300/400 level courses.

- Religion
- Literature
- Art
- History
- Philosophy
- *Custom Concentration

*Students have the option of creating a custom area of concentration not listed above, in coordination with area full-time faculty and advisors based on current offerings.

Seminars

Two (2) seminar courses (6 credits)

One seminar must be in the chosen area of study and the other must be from outside the chosen area of study.

Major Electives

**Five (5) additional courses in Humanities (5 Courses; 15 credits).

- Literature
- History
- Arts
- Philosophy
- Religion

**Students may choose in any combination, provided that at least two (2) of these courses are 300/400 level courses, and at least two (2) of these courses are in Humanities areas outside the student's area of concentration.

Internship

Choose one of the following (3 credits)

- ENGL 350
- ARTS 350
- HIST 428

Free Elective Courses***

Choose nine (9) courses (minimum of 27 credits) without restriction. These courses are taken beyond the Holy Family Experience core requirements.

*** This requirement is waived in the event of a double major.

Comprehensive Exam

Successful completion of comprehensive exam

Mathematics**Learning Outcomes**

The successful student will be able to:

- Demonstrate effective communication skills at a level commensurate with career goals; in particular, students should be able to effectively communicate the main thesis of a peer-reviewed article on a mathematics-related topic.
- Demonstrate a mastery of the breadth and body of knowledge found in undergraduate coursework of the mathematical sciences; in particular, calculus, linear and abstract algebra, discrete mathematics, probability and statistics and introductory real analysis.
- Apply mathematical concepts to a broad spectrum of real-world applications.
- Complete an independent research project under the direction of a faculty mentor.
- Appropriately use technology for visualization, simulation and computation.

Course and Credit Requirements

Core Curriculum: BA Requirements (credits)	45
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Concentration

MATH 210	Calculus for Biological Sciences	4
	or	
MATH 211	Calculus I	4
MATH 212, 213	Calculus II, III	4, 4
MATH 220	Linear Algebra with Applications	4
MATH 250	Discrete Mathematics	3
MATH 308	Probability	3
MATH 316	Modern Algebra I	3
MATH 427	Internship I	3
MATH 403	Advanced Calculus	3
MATH 435	Senior Problem-Solving Seminar	3
MATH 440	Directed Research	3

Math Electives

Three (3) courses (9 Credits) from MATH 221 or 300 or 400 level MATH offerings.	9-12
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Free Elective Courses

Six (6) courses	18
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Other Required Courses

CMIS 107	Structured Programming	3
PHIL 202	Logic	3
PHYS 201, 201L	General Physics I	4
PHYS 202, 202L	General Physics II	4

Other Requirements

- Successful completion of comprehensive exam
- Continuation in the major requires a GPA of 2.5 in all completed Mathematics courses
- At least nine credits in upper-division courses (numbered 220 or higher) must be completed in the division to meet degree requirements.

Mathematics Secondary Education (7-12 certification)

Course and Credit Requirements

Total required credits: 127-129

Core Curriculum: BA Requirements* 45

Mathematics Requirements

MATH 210**	Calculus for Biological Sciences	4
	or	
MATH 211**, 212, 213	Calculus I, II, III	4, 4, 4
MATH 220	Linear Algebra with Applications	4
MATH 250	Discrete Mathematics	3
MATH 303	Modern Geometry	3
MATH 308	Probability	3
MATH 316	Modern Algebra I	3
MATH 327	Junior Seminar: History of Mathematics	3
MATH 403	Advanced Calculus	3
MATH 435	Senior Problem-Solving Seminar	3

Plus, one course from MATH 221 or the 300 or 400 level MATH offerings 3-4

Education Requirements

Field experience may be required.

EDSP 203	Foundations in Inclusive Education for All Learners	3
EDSP 206	Collaboration and Assessment	3
EDSP 304	Collaboration and Best Practices for All Learners	3
EDUC 205	Teaching Reading in the Content Area	3
EDUN 201	Educational Psychology	3
EDUN 303	Meeting the Needs of English language Learners	3
EDUN 315	Practicum I (Field Experience/Mentorship)	1
EDUN 316	Practicum II (Field Experience/Mentorship)	1
EDUN 320	Classroom Management	3
EDUN 331	General Methods and Technology	3
EDUN 332	Education Methods and Curriculum in the Content Area	3
EDUN 412	Student Teaching: Secondary Education	6

**PDE Related Requirements

ENGL	Approved Literature Course (Tier 2)	3
MATH	Two (2) Approved Mathematics Courses	6-8
PSYC 213	Adolescent Development (Tier 2)	3

Other Requirements

CMIS 107	Structured Programming	3
ENGL	Approved Literature Course	3
PHIL 202	Logic	3
PHYS 201	General Physics I (with lab)	4

At least 9 credits in 200/300-level Mathematics coursework must be completed at Holy Family to meet degree requirements.

***May be taken as part of the core requirements*

Other Requirements for Mathematics with Certification in Secondary Education

- Successful completion of a Mathematics comprehensive exam and an Education comprehensive exam.

For teacher certification requirements see School of Education.

Medical Laboratory Science Program

Learning Objectives

The successful student will be able to:

- Demonstrate effective communication skills at a level commensurate with career goals.
- Demonstrate a mastery of the breadth and body of knowledge found in undergraduate coursework in biology, namely: cellular biology, genetics, organismal structure and function, basic evolutionary relationships.
- Achieve Certification as a Medical Technologist [MT (ASCP)] or Clinical Laboratory Scientist [CLS (NAACLS)]. To develop the skills required for working in a laboratory setting
- Apply the scientific process to biological problems.
- Work effectively in a Clinical Laboratory Setting.

The Program

In order to prepare well-rounded professionals, the Medical Laboratory Science program combines a foundation in the liberal arts and basic sciences with formal clinical laboratory training.

At Holy Family University, students complete the core courses mandated by the liberal arts curriculum. Basic science courses consistent with standards set by the accrediting agencies for programs in clinical laboratory science as well as specific offerings required by the University in the concentration area are also completed on campus.

Training in Medical Technology/Clinical Laboratory Science is undertaken during the Senior year in the facilities of an accredited hospital program. At the present time, Holy Family University enjoys an affiliation agreement with St. Christopher's Hospital. One criterion for admission to the clinical year is acceptable academic performance. Applicants must maintain a cumulative average of 2.5 as well as a grade of at least "C+" in each science prerequisite. Evaluation of candidates, however, is not based solely on academic achievement, but also includes consideration of relevant recommendations and personal interviews. Admission to the clinical portion of the program is competitive; the clinical laboratory science staff reserves the right to select those applicants who seem best qualified to complete the program. During their clinical training, students are expected to comply with requirements imposed by the hospital affiliate.

Upon fulfillment of university and clinical requirements, students are awarded a Bachelor of Science degree in Biology. Students who successfully complete the clinical internship are also eligible to take various certification examinations that are recognized by the profession.

The student will pay the tuition rate of a full-time student. However, state and federal aid may be used to cover the cost of tuition. Students will not be eligible for institutional aid in the clinical year (senior year).

A student's tuition is determined by the university and not the hospital they attend for their clinical year (senior year). Therefore, a student's tuition is based on that of Holy Family University, as the degree granting institution, and not the hospital they attend for their clinical year (senior year).

Course and Credit Requirements

Core Curriculum: BS Requirements (credits*)

45

Concentration

BIOL 120, 121	Biological Principles I, II	4, 4
BIOL 207, 208	Anatomy and Physiology I, II	4, 4
BIOL 211/L	Cell Biology	4
BIOL 300	Advanced Microbiology	4
BIOL 304	Principles of Genetics	3
BIOL 330	General Immunology	3
CHEM 120, 121	Chemistry Principles I, II	4, 4
CHEM 207, 208	Organic Chemistry I, II	4, 4
MATH 130	Elementary Statistics	3
MEDT 413**	Clinical Hematology/Coagulation	6
MEDT 414**	Clinical Immunohematology	4
MEDT 416**	Clinical Chemistry	8
MEDT 417**	Clinical Microbiology	8
MEDT 418**	Clinical Immunology/Serology	3
MEDT 420**	Clinical Seminar	3
PHIL 205	Bioethics	3

Major Electives

Two courses chosen from 300 or 400 level BIOL or CHEM courses.

6-8

*MATH 210/211 is to be taken as a Tier 2 course in the General Education Core Curriculum.

** Courses/experiences completed at the accredited clinical affiliate site.

Neuroscience

Learning Outcomes

The successful student will be able to:

- Evaluate the major concepts, theoretical perspectives, and empirical findings represented in the general content domains of psychology, biology, and neuroscience.
- Apply basic research methods in psychology and biology and neuroscience, including research design, data analysis, interpretation, and scientific writing.
- Analyze the interaction between social and biological factors that influence behavior and health.
- Analyze the principles of neural science from molecular, mechanistic, biological systems, and bio-behavioral interactions.

Course and Credit Requirements

Core Curriculum: BA Requirements (credits*)

45

Concentration

BIOL 120, 121	Biological Principles I, II	4, 4
BIOL 115	Introduction to Neuroscience	3
BIOL 207, 208	Anatomy and Physiology I, II	4, 4
BIOL 211	Cell Biology	4
BIOL 304	Principles of Genetics	3
CHEM 120, 121	Chemistry Principles I, II	4, 4
PSYC 110	Introduction to Psychology	3
PSYC 206 or 208	Child and Adolescent Development or Lifespan Development	3
PSYC 305	Physiological Psychology	3
PSYC 311	Statistics for Social and Behavioral Sciences	3
PSYC 322	Research Methods	3
PSYC 331 or 333	Sensation and Perception or Learning	3
PSYC 211	Scientific Writing	3
PSYC 345	Psychopathology	3
PSYC 350	Internship I	3

Five (5) Natural Science or Psychology Electives:

300 or 400

level or Physics

15

Free Elective Courses: Two (2 courses)

6

Other Requirements

- Successful completion of a comprehensive exam in both Psychology and Biology.
- Continuation in the major requires a GPA of 2.5 in all completed science courses.
- At least 9 credits in 300/400-level in Psychology, Physics, or the Natural sciences offerings must be completed in the school to meet degree requirements.

*Students in the Neuroscience major are required to take MATH 150 as a Tier 2 General Education course.

Nutrition

The Bachelor of Science in Nutrition program prepares students to assume roles as for a wide range of career outcomes. The curriculum is built upon a foundation of core nutrition courses and natural science requirements. The innovative curriculum that stresses key concepts for students aiming to become a Registered Dietician. The program builds the foundation necessary to continue into a Master's program for credentialing as a Registered Dietician and eligibility for the certification upon a successful completion in a Master's program. As of 2024, the ACEND requires all students to pursue and complete a graduate program to qualify for the national certification. This program will also

offer a strong foundation in undergraduate studies for students who wish to pursue graduate students in areas such as Public Health or Physician Assistant, to name a few. Students who complete the BS in Nutrition at Holy Family University will also earn a Minor in Integrated Health Promotion. This program includes a one semester internship through our Integrated Health Promotion courses that is coordinated by our Experiential Learning program with an off-campus industry leader in promoting healthy nutrition lifestyles and wellness.

Learning Outcomes

- Students who wish to pursue ACEND Registered Dietician Certification in a certified Master's program will qualify to pursue a graduate degree (as of 2024, students must pursue a graduate degree to qualify for the certification).
- Understand core concepts related to health promotion and wellness across the lifespan.
- Understand core concepts in relation to food science and nutrition.
- Assess needs and challenges related to food and lifestyle correlation to health and nutrition.
- Plan, implement, and evaluate programs to promote healthy behaviors related to food and nutrition. .
- Exhibit professional and academic skills needed for graduate study in Nutrition, Public Health, or Physician Assistant programs or entry-level positions in the field.

Course and Credit Requirements

Core Curriculum: BS Requirements	45
Concentration	39
Total	120

Concentration

NUTR 101	Introduction to Nutrition *	3
NUTR 201	Food Science *	3
NUTR 301	Food Economics *	3
NUTR 310	Lifestyle Nutrition I *	3
NUTR 401	Lifestyle Nutrition II *	3
NUTR 410	Medical Nutrition Therapy *	3
HPWE 101	Introduction to Health Promotion and Wellness	3
HPWE 202	Strategies of Stress Management and Wellness	3
HPWE 320	Teaching Strategies for Health Promotion and Wellness	3
HPWE 325	Coaching Principles for Health Promotion and Wellness	3
HPWE 355	Research for Evidenced Based Practice	3
HPWE 410	Health Promotion and Wellness Program Planning	3
HPWE 444	Internship	3

Additional Requirements

BIOL 112	Introduction to Human Biology	3
BIOL 206	Microbiology	4
BIOL 307	Medical Terminology	3
CHEM 120	Chemistry Principles I	4
CHEM 121	Chemistry Principles II	4
ENVS 101	Environmental Science	3
MATH 150	College Algebra/Trigonometry	3
PSYC 110	Intro to Psychology	3
PSYC 305	Physiologic Psychology	3
PSYC 311	Statistics for SBS	3

Other Requirements

Four (4) Free Electives

Philosophy, Political Science, Economics and Sociology

Learning Outcomes

The successful student will be able to:

- Equip students with knowledge, skills, and methods from the disciplines of philosophy, political science, economics, and sociology.
- Develop analytic skills exercised in close reading, cogent writing, and clear oral expression.
- Synthesize the interactions of philosophical theories, political institutions, markets, and social arrangements into a coherent framework for addressing complex issues.
- Create a summative research project that leverages research methodology drawing from the four disciplines.

- Participate in a professional learning experience that offers meaningful, practical work which embodies civic engagement.

Course and Credit Requirements

Core Curriculum: BA Requirements (credits) 45

Concentration

PHIL 104	Intro to PPES: Political Philosophy	3
PHIL 202	Logic	3
	or	
PHIL 220	Persuasion, Propaganda and Rhetoric	
POLS 204	American National Government	3
ECON 203	Microeconomics	3
SOCO 201	Social Problems	3
PHIL 301	Ethics	3
	or	
PHIL 201	Philosophy of Human Nature	
POLS 210	Intro to International Relations	3
ECON 204	Macroeconomics	3
SOCO 212	Race, Class and Gender	3
SOCO 311	Statistics in Social and Behavioral Sciences	3
SOCO 322	Research Methods	3
PPES 350	Internship	3
PPES 420	Capstone	3
Four (4) Interdisciplinary Electives		12

Psychology

Learning Outcomes

The successful student will be able to:

- Identify and describe the major concepts, theoretical perspectives, and empirical findings represented in the general content domains of psychology, including learning, cognition, biological bases of behavior, development, and individual differences.
- Apply basic research methods in psychology including research design, data analysis, and interpretation.
- Evaluate the quality, objectivity and credibility of evidence of research findings.
- Compare and contrast theoretical explanations of human behavior.
- Exhibit professional and academic skills needed for graduate study or for entry-level positions in the field.
- Analyze the impact of diversity on behavior, personality and development.

Course and Credit Requirements

Core curriculum: BA requirements (credits) 45

Courses required of all students

PSYC 110*	Introduction to Psychology	3
PSYC 211	Scientific Writing for the Social and Behavioral Sciences	3
PSYC 305	Physiological Psychology	3
PSYC 311	Statistics for the Social and Behavioral Sciences	3
PSYC 322	Research Methods	3
PSYC 333	Concepts and Principles of Behavior Analysis	3
PSYC 343	Social Psychology	3
PSYC 345	Psychopathology	3
PSYC 350	Internship I	3
PSYC 352	Junior Seminar in Psychology	3
PSYC 431	Seminar: Contemporary Issues in Psychology	3

Choose one of the following:

PSYC 204	Infant and Child Development	3
PSYC 213	Adolescent Development	3
PSYC 207	Adulthood and Aging	3

* *Must be taken by psychology concentrators as a prerequisite for all other PSYC courses*

PSYC Electives 18
Select 18 credits (6 courses) from any 200, 300 or 400 level Psychology course not being taken as a requirement within the concentration.

Also required

PHIL 205 Bioethics 3

Free Elective Courses: Six (6) 18

Other Requirements

- Successful completion of comprehensive exam.

Six-Year Bachelor of Arts in Psychology/Master of Science in Counseling Psychology

The School of Arts and Sciences offers a BA/MS program that enables students to complete requirements for the degrees of Bachelor of Arts in Psychology and Master of Science in Counseling Psychology in six years. Undergraduates seeking admission to the dual degree program must have a minimum overall GPA of 3.5 and are eligible to apply in the spring semester of the junior year (the deadline for applications is March 1st). To apply for admission, candidates must submit the following materials to the Admissions Office:

- Completed Application to the Graduate Program in Counseling Psychology
- Official Undergraduate Transcript(s)
- A previously graded Academic Writing Sample in APA format
- One Letter of Recommendation from a full-time faculty member
- One Letter of Recommendation from a full-time or part-time faculty member

Following review of all application materials and a successful interview with graduate program faculty, admission to the dual degree program will require the approval of the Graduate Program Director and the Dean of the School of Arts and Sciences. Accepted students will be permitted to take no more than twelve credits of graduate course work during the senior year of undergraduate study. These twelve graduate credits will be charged at the undergraduate tuition rate.

Specific graduate program requirements can be found in the Holy Family University *Graduate Catalog*. Additional information can be provided by the student's academic advisor or by the Graduate Program Director.

Bachelor of Arts/Master of Science in Applied Behavior Analysis 4+1 program

Katharine Croce, Ed.D., BCBA-D, Director of Master's Program in Behavior Analysis

The School of Arts and Sciences offers a BA/MS program that enables Holy Family undergraduate students a Master of Science in Applied Behavior Analysis in 5 years. Undergraduates seeking admission to the dual degree program must have a minimum overall GPA of 3.0 or higher for courses taken at Holy Family and are eligible to apply in their junior year (the deadline for applications is March 1). Students who might be interested in this program include but is not limited to students from Psychology, Neuroscience, Education, or Criminal Justice.

The mission of the Bachelor of Arts/ Master of Science in Applied Behavior Analysis is to cultivate a community of compassionate and competent behavioral practitioners. Through hands-on instruction, mentoring, and supervision, we empower our students to integrate the principles of behavior into both practice and research, while prioritizing the well-being of professionals. Our goal is to equip graduates with the skills and knowledge necessary to design behavioral programs that affect positive, socially significant outcomes in the world.

In fulfillment of this mission the program objectives include:

1. **Fostering a Culture of Compassion and Competence:** Create a supportive environment where students develop empathy and understanding alongside technical proficiency, ensuring they become compassionate and competent behavioral practitioners that recognize the importance of professional well-being as crucial for maintaining productivity and overall satisfaction in the profession.

2. **Providing Experiential Learning Opportunities:** Offer hands-on mentoring and supervision to facilitate practical application of behavior analysis principles in real-world settings, enabling students to seamlessly integrate theory with practice.
3. **Promoting Interdisciplinary Collaboration:** Encourage collaboration between students, faculty, and professionals from diverse fields to enrich perspectives and approaches, preparing graduates to address complex societal issues through interdisciplinary solutions.
4. **Empowering Agents of Change:** Equip graduates with the critical thinking skills and ethical framework necessary to identify and implement behavioral interventions that lead to positive, socially significant outcomes for those in need, and to help students become contributors and leaders in behavior analysis thereby empowering them to effect meaningful change in the profession and communities worldwide.

Consistent with Holy Family's tradition of "*Teneor Votis*" (I am bound by my responsibilities) students are inspired to advocate for social justice, shape public policy and witness to the dignity of each person and the oneness of the human family.

Learning Outcomes

Bachelor of Arts/ Master of Science in Applied Behavior Analysis program demonstrate skills and knowledge in the following areas:

1. **Conceptual Understanding:** Graduates will demonstrate a comprehensive understanding of fundamental concepts and principles in behavior analysis.
2. **Theoretical Competence:** Graduates will possess a strong grasp of the theoretical foundations and philosophical underpinnings of behavior analysis, enabling them to critically evaluate and apply behavioral principles in various contexts.
3. **Research Proficiency:** Graduates will be proficient in both basic and applied research methodologies in behavior analysis, allowing them to contribute to the advancement of knowledge in the field through rigorous empirical investigation.
4. **Assessment Skills:** Graduates will demonstrate competence in conducting thorough behavior assessments, including functional behavior assessments, and will be proficient in analyzing and interpreting assessment data to inform intervention planning.
5. **Intervention Expertise:** Graduates will be adept at designing and implementing behavior change procedures based on the principles of behavior analysis, with the ability to modify interventions based on ongoing assessment and evaluation.
6. **Performance Management:** Graduates will understand principles and techniques of organizational behavior management, enabling them to better address behavioral issues with personnel and organizational settings and improve overall performance and effectiveness.
7. **Ethical Awareness:** Graduates will exhibit a strong commitment to ethical practice in behavior analysis, adhering to the ethical guidelines outlined by relevant professional organizations and demonstrating integrity and respect for individuals' rights and dignity.
8. **Experiential Learning:** Graduates will have engaged in meaningful experiential learning opportunities throughout the program, gaining practical experience in applying behavior analysis principles in diverse settings under the guidance of experienced mentors and supervisors.

Admission Information and Requirements

The School of Arts and Sciences offers a BA/MS program that enables Holy Family undergraduate students a Master of Science in Applied Behavior Analysis in 5 years. Undergraduates seeking admission to the dual degree program must have a minimum overall GPA of 3.0 or higher for courses taken at Holy Family and are eligible to apply in their junior year (the deadline for applications is March 1). Students who might be interested in this program include but is not limited to students from Psychology, Neuroscience, Education, or Criminal Justice.

Eligibility and Requirements

- You must complete the program application.
- You must maintain a 3.0 or higher GPA in your major to be admitted into the program
- You must complete the application process by March 1 of your junior (third) year.
- Once you are conditionally accepted, you will be advised on the courses to take in your senior year by your faculty advisor and graduate program director.
- You must take the number of courses required for the specified program (four courses for the 4+1 program).
- You must maintain the appropriate GPA and earn a grade of B or better in your graduate courses to matriculate into the master's degree program after completion of your undergraduate degree.

Specific Admission Requirements

In addition to the general admission requirements previously outlined, applicants must meet the following requirements for admission to the Master of Science in Applied Behavior Analysis program:

- Writing sample outlining interests and professional goals
- Letter of recommendation from one faculty member or supervisor in a related field or someone that has the capacity to speak to your abilities and performance to be a successful graduate student.
- Successful completion of a personal interview

Notification of acceptance into the program is usually completed within two weeks of the personal interview.

Bachelor of Arts in Psychology/Master of Science in Applied Behavior Analysis 4+1 program

Students in the 4+1 program complete four graduate courses during their senior (fourth) year, two of which may count toward full time credit requirements for the undergraduate program. You will matriculate into your master's degree program upon graduation from your undergraduate program and are required to take two summer courses after your senior year and three courses in each semester of your fifth year.

If you choose to discontinue the 4+1 program, you revert to traditional graduate student status for the remainder of your enrollment. You are expected to maintain a 3.0 GPA to begin this sequence in your senior year.

Undergraduate prerequisite courses are not considered as part of the graduate degree program and therefore cannot be used as credits for financial aid purposes.

Following review of all application materials and a successful interview with graduate program faculty, admission to the dual degree program will require the approval of the Graduate Program Director and the Dean of the School of Arts and Sciences.

Accepted students will be permitted to take no more than twelve credits of graduate course work during the senior year of undergraduate study. These twelve graduate credits will be charged at the undergraduate tuition rate.

Timeline

Sophomore year

- Meet with your faculty advisor to discuss your interest in the combined bachelor's/master's program.

Junior year

- Connect with a graduate admissions counselor to discuss your interest in the combined bachelor's/master's program.
- Participate in a virtual information session during the fall/spring semester.
- Apply to the combined bachelor's/master's program by March 1.

Senior year

- Take graduate courses alongside your undergraduate courses (4 courses for the 4+1 program).
- Complete your bachelor's degree in your chosen major.

Fifth year and beyond

- Complete your remaining graduate courses.

Academic Program Description

To provide students with the opportunity to develop the skills required to practice as behavior analysts with expertise in the areas of school, community, clinic, hospital, correctional, higher education, or research settings, the program uses a scholar-practitioner training model. Through involvement with program coursework students become active and involved learners. Students engage in both in-class and out-of-class cooperative, collaborative, and experiential learning that through interaction, exposure, immersion, and problem-solving enables students to integrate class material into their current knowledge and experiential base. Student advocacy and service learning is integrated into the academic experience to prepare the developing professional for a life-long role as a behavior analyst who can impact change on an individual, organizational, local, national, and global level. The supervised experiential learning courses provide students with the professional experiences to synthesize course material with real-life behavior analytic experiences to develop the skills appropriate for beginning practitioners.

The Master of Science in Applied Behavior Analysis program is centered on a core ABA curriculum that aligns with the BACB® 6th Edition TCO® and ABAI® accredited course requirements. After successful completion of this program and the required supervised fieldwork requirements set forth by the BACB® (not a graduation requirement), students are eligible to apply for behavior analyst certification through pathway 2 through the BACB®. Additionally, Holy Family is seeking program recognition through ABAI® Tiered Model of Education as a Tier 2A program.

This program is tailored to equip students with the necessary knowledge and skills in behavior analysis for board certification, enabling them to effectively apply these skills across diverse settings. The program highlights the importance of looking after yourself to better care for others and enhance professional satisfaction within the field.

Course Delivery

The Master's in Applied Behavior Analysis program, concentrated at the University's Newtown East, Bucks County location, is designed for students who are available to attend synchronous (online live) courses scheduled in the late afternoon and early evening. As a program committed to fostering student well-being, we acknowledge the multifaceted responsibilities that our students bear. Our objective is to promote a learning environment that enables students to engage with instruction effectively, facilitating their success as learners. Additionally, we strive to support our students in balancing their educational pursuits with full-time employment and/or caretaker responsibilities.

To remotely access the courses students must acquire the needed technology for participating in the courses. If students do not have the capacity to acquire the technology needed for this program, Holy Family University has a technology loaning program. Students in need of this support can contact Holy Family IT for this loaner program. Students are expected to be in an environment ready to learn with their cameras on, ready to participate in the live instruction. Students are not able to participate in class while driving or in other environments that are distracting to the students learning or the learning of others.

Timeline

Sophomore year

- Meet with your faculty advisor to discuss your interest in the combined bachelor's/master's program.

Junior year

- Connect with a graduate admissions counselor to discuss your interest in the combined bachelor's/master's program.
- Participate in a virtual information session during the fall semester.
- Apply to the combined bachelor's/master's program by March 1.

Senior year

- Take graduate courses alongside your undergraduate courses (4 courses for the 4+1 program).
- Complete your bachelor's degree in your chosen major.

Fifth year and beyond

- Complete your remaining graduate courses.

Eligibility for Certification as a Behavior Analyst Certification Board (BACB®):

- All students entering the program beginning in 2025 will participate in graduate courses that meet the BCBA® 6th Edition Test Content Outline (TCO) Requirements. <https://www.BACB.com/wp-content/uploads/2022/01/BCBA-6th-Edition-Test-Content-Outline-231221-a.pdf>
- Current students completing their program of studies based on the BACB® BCBA® 6th Edition TCO Requirements must ensure that all requirements are met, and documents are submitted to the BACB® sit for the BCBA® Examination.
- Please note that the BACB® and/or the Applied Behavior Analysis International (ABAI®) can make changes to eligibility requirements for certification at any time. Current and future students are required to review information from the BACB® and remain current with updates <https://www.BACB.com/BCBA/>
- Students must complete a core set of 8 lecture-based courses (24 credits) and required Experiential Learning courses (6 credits) and a required thesis project (6 credits). The total program involves 36 graduate credits. The core ABA set of classes has met the requirements for both the BACB® 6th Edition Test Content Outline as well as ABAI® accredited course requirements. The students must have a "B" in all the core ABA courses and pass 1 competency exam to stay in the program.
- The competency assessment is a 40-hour Registered Behavior Technician (RBT®) training series that will be completed at the midpoint of their program. Students must complete the 40-Hour Training successfully to continue in the program.
- Students who are enrolled in this program are subject to the policies and guidelines of the university as stated in the current Holy Family University Catalog and Student Handbook.
 - Students are responsible for successfully completing all graduate requirements.
 - To be eligible to sit for the BCBA® exam, students are also responsible for accumulating the required amount of supervised fieldwork hours, submit all documents that are required to the BACB® (Not a graduation requirement).
- *Students may be required to complete additional supervised fieldwork hours outside of the Experiential Learning course independently to qualify to sit for the examination.*

- *Completing the required number of supervision hours designated by the is not a requirement for graduation.*
 - o *To become a BCBA® students must pass the BACB® BCBA® Examination.*
 - *Passing the BCBA® exam is not a requirement for graduation.*

Required Supervised Experiential Learning

As a major qualification to sit for the BACB® Examination to become a BCBA®, an applicant must officially participate and document Supervised Fieldwork Experience. https://www.BACB.com/wp-content/uploads/2022/01/BCBA@Handbook_230321-a.pdf

The applicant is responsible for acquiring and documenting the fieldwork hours in accordance with the official procedures of the BACB®. Students must review the BACB® Fieldwork Requirements during their and sign a document indicating their understanding. In addition, each student will receive a Program Handbook that delineates the requirements. Students will be required to sign a document indicating they have received the Program Handbook.

To assist our students in accumulating hours and advanced training, Holy Family requires each student to participate in Experiential Learning experiences. The Experiential Learning experience will follow the concentrated supervised fieldwork guidelines of the BACB®. During the Experiential Learning, a student will participate in a minimum of 15 hours per week of applied behavior analytic work that involves both hands-on training as well as program planning, development, and evaluation activities. The primary focus is on acquiring the skills necessary to demonstrate competence of relevant tasks on the BCBA® TCO® 6th Edition and the skills necessary to interact effectively with consumers, supervisors, parents, and others. Securing a supervision site and Responsible BCBA® or BCBA®-D is required prior to students enrolling in this course.

The Experiential Learning course experience will have two primary components: A seminar component for one credit along with a field component for two credits. Students must be enrolled in both simultaneously.

Students within the Master's program are expected to comply with the BACB® Ethics Code for Behavior Analysts <https://www.BACB.com/wp-content/uploads/2022/01/Ethics-Code-for-Behavior-Analysts-230119-a.pdf> at all times. Students must sign and submit an Ethics Code Statement upon acceptance into the program. In addition, specific Experiential Learning sites may have additional requirements.

Course Sequence and Prerequisites

The graduate program curriculum has been designed to have a student participate in at least 1 of the first two courses (MABA 533, 534) during their first semester. Participation in later courses (MABA 535-540) is acceptable in combination with the first two courses with support of the Academic Advisor. MABA 541 and MABA 542 will be taken the last two semesters of the students' program. MABA 534 S/F will be taken simultaneously. MABA 535 S/F will be taken simultaneously. MABA 534 S/F and MABA 535 S/F can be taken any semester after the students first semester.

Students must successfully earn a minimum of a "B" in each Behavior Analysis course. Students who receive a "C" or lower in a Behavior Analysis course will need to repeat the course and earn a "B" or better to complete the program.

If the student repeats the course, the student will be put on probation and will be given one opportunity to repeat the course. During this semester the student may only take the course that they are repeating. If the student is successful in earning a "B" or higher in the repeated course, they may take 2 courses the following semester. With successful earning of a "B" or higher in the next courses the student may return to taking 3 courses the following semester.

If the student receives 2 or more "C"'s in a semester they will only be able to take 1 repeated course at a time. If the student needs to repeat more than 2 individual courses, they will be dismissed from the program. Students who are taking their 2nd repeated course will be put on academic probation.

Advisement

The Master of Science in Applied Behavior Analysis program views mentoring and advisement as crucial to successful completion of the program. Advisement in the program is best characterized as a mentoring relationship between a student and a faculty member. This mentoring relationship is grounded in mutual trust, dignity, collegiality, equality, and professionalism. The goal of this advising/mentoring relationship is to assist the student in developing an identity as a behavioral practitioner who is engaged in a lifelong learning process.

Upon admission to the program, each student is assigned a faculty advisor. The faculty advisor is the student's resource person in dealing with the program and the University. Students are encouraged to meet with their faculty advisor on a regular basis. Students must meet with their faculty advisor for course selection, approval of supervised experiential learning opportunities, career guidance, and other administrative issues. Appointments may be made by contacting faculty directly. Faculty office hours are posted by each faculty.

Graduate Program in Applied Behavior Analysis Impaired Student and Remediation Policy

This policy outlines the Graduate Program's obligation to identify, address and assist in the remediation (if possible) of students who have impairments that interfere with their ability to be successful Behavior Analysts.

Faculty Gatekeeping & Remediation Responsibilities

Professions engaged in protection of the public health and welfare charge its members with the responsibility of monitoring and gatekeeping potential new members. Therefore, the Graduate Program in Applied Behavior Analysis at Holy Family University maintains that in order to protect their students, the profession, and the eventual consumers of services provided by graduates, it is necessary to monitor students' academic and professional development while in the program. This monitoring specifically focuses on both academic performance and professional conduct. As such, the department's faculty is responsible for assuring that only those students who continue to meet academic and professional program standards are allowed to continue in any of the department's academic programs. A student's admission into a Graduate Program in Applied Behavior Analysis program does not guarantee that she or he is fit to remain in that program. Thus, members of the faculty will evaluate student performance and professional conduct on an ongoing-basis, semester by semester. The faculty will make judgments based on student professionalism, course performance, supervisors' evaluations of students' performance in the field, and students' adherence to any and all codes of ethics that have bearing upon the student's training while in the program.

Impaired Student Definition

An impaired student is someone who has significant physical, mental or emotional problems likely to harm a client and affect the student's ability to participate within and graduate from the University with requisite knowledge, skills and temperament required to be a successful professional behavior analyst. Some signs and symptoms of such impairment could include, but are not limited to, a pattern of the following:

1. Unusual or inappropriate behavior
2. Negative changes in academic performance,
3. Frequent or unexplained absences and/or tardiness from academic responsibilities,
4. Frequent or unexplained illnesses or accidents
5. Significant inability to contend with routine difficulties and act to overcome them
6. Violations of the "Student Code of Conduct" as indicated in the Graduate Catalog
7. Violations of the good academic performance requirement as indicated in the Graduate Catalog

Remediation Action

Remediation focuses on the behavior of the impaired student and not on any underlying medical or other condition or disability. If impairment is caused by a disability, it shall be the student's obligation to comply with University Policy as outlined in the Graduate Catalog with regard to disability accommodations. Remediation action for such impairment may include but is not limited to:

1. Identify the impaired student
2. Scheduled monitoring meetings with the student's academic advisor
3. Additional remedial or professional training related to the impairment or deficit
4. Academic support (tutoring, additional class work with the course professor, etc.)
5. Counseling and other forms of mental health treatment
6. Self-structured behavioral change
7. Additional field experiences
8. Leaves of absence with return to program contingent on remediation of the student's impairment and consistent with university policy
9. Other actions as seen necessary by the Program Director and faculty

Impaired Student Policy Process

1. To identify the impaired student
2. Address the issue with the student
3. Create a remediation plan and assist students in securing remedial assistance
4. Monitor student progress with meeting the requirements of the remediation plan
5. Dismiss those students from the program for whom remediation attempts have not been successful

6. Provide student recourse in a timely manner to address the decision to require them to see assistance or dismissal from the program

Confidentiality of all referred and identified students and of individuals making referral shall be maintained to the extent possible and permitted by law.

Any University policies outlined in Holy Family University's Graduate Catalog supersede this policy. These policies outline under what conditions students must be dismissed from the Graduate Program. The Impaired Student Policy does identify students having difficulty in the above areas, will create a remediation plan with the student to rectify such concerns, and will monitor student progress in meeting the remediation plan but the Graduate Program in Applied Behavior Analysis is bound by the University process and dismissal policies as outlined in the Holy Family University Graduate Catalog.

Student Understanding of Remediation and Consent Agreement

Upon admission to the Graduate Program in Applied Behavior Analysis, students will be given the opportunity to review the expectations for academic and professional development while in the program. The concepts of gatekeeping, student review, remediation and retention will be outlined in writing. The process and forms used to evaluate and support student progress will be described to ensure a complete understanding. Students will then be asked to sign and date the Student Review, Remediation & Retention Policy and Consent Form to demonstrate their understanding and agreement before beginning any course or field experience. The original signed consent form will be kept in the student's file. Students may request a copy of their consent form for their records.

Tier 1 Evaluation & Remediation Plan

Each semester, the student's Advisor, Program Committee and Program Director will use the Tier 1 Evaluation & Remediation Plan to assess each student in the program. If it is evident that a student is making satisfactory progress in the program, both from an academic and professional development perspective, then no action will be taken and the Tier 1 Evaluation and Remediation Plan will be filled out as "Satisfactory".

If, however, a student may need additional help to be successful in academic and/or clinical work, faculty may work with this student on an informal basis to find support for a student will not entirely address a student's problems, he/she will discuss these problems at a program committee meeting, or with the program director, to solidify appropriate measures of remediation and establish a timeline for change. This will be construed as a Tier 1 Evaluation and Remediation Plan. In this plan a student will be given one semester to demonstrate concrete, measurable change on any of the areas deemed "Unsatisfactory" on the Tier 1 Remediation plan. If after one semester, the student has not demonstrated concrete, measurable improvement on the categories noted as "Unsatisfactory" on the Tier 1 Remediation Plan, the student remediation plan will then be moved to Tier 2.

Tier 2 Evaluation & Remediation Plan

If after one semester, the student has NOT demonstrated concrete, measurable improvement on the categories on the Tier 1 Remediation Plan that were initially noted as 'Unsatisfactory', then the student's remediation plan will be moved ahead and outlined on the Tier 2 Student Remediation Plan. A designated faculty member(s) will hold a discussion with the student to clarify behavior(s) that need(s) to be changed, requirements for remediation, time limits for expected change, and consequences if remediation is unsuccessful. Lack of participation in the remediation plan or failure to fully meet the expectations of the remediation plan are grounds for program dismissal.

Identification Process

Ongoing – Identification of student impairment is an ongoing process. Student attitude and behavior on campus, inside the classroom (virtual or in-person) and as a representative of the Holy Family Applied Behavior Analysis program in the community are contexts for assessment of potential impairment. Course work and experiential learning provide both students and faculty opportunities to identify personal barriers students may experience that interfere with their ability to be successful in the behavior analysis profession. Any concerns regarding the student's progress or appropriateness for the behavior analysis profession are brought directly to the student's academic advisor and the Program Director or designee if appropriate.

Semester – Each semester graduate faculty are asked to evaluate every student in his/her classes. In addition, the academic standing of all students in the program is reviewed on a semester basis. Student Progress reports and student grades are reviewed by program faculty and students experiencing difficulty and/or barriers to his/her success are identified.

Student Notification Process

Step One – A meeting is held between the student and his/her academic advisor. The focus of the meeting is:

- To review faculty and program concerns
- Afford the student the opportunity to share his/her perception and understanding of the situation/issues
- Provide advising recommendations.

Full documentation is kept of this meeting in the student's program file and the student is given a written summary outlining the agreed upon advising recommendation.

Step Two – A meeting is held between the student, other program faculty as appropriate, and the student's academic advisor. The focus of the meeting is:

- To review faculty and program concerns,
- Afford the student the opportunity to share his/her perception and understanding of the situation/issues, and
- Create a formal remediation plan.

Full documentation is kept of this meeting in the student's program file and the student is given a formal remediation plan signed both by the student and his/her academic advisor. The remediation plan is also reviewed and signed by the Program Director or designee.

A Step Two meeting is held either because of the significance of student, faculty, program or University concern/s or due to the ineffectiveness of the Step One remediation plan.

Step Three – A meeting is held between the student, other program faculty as appropriate, the student's academic advisor and the Program Director. The purpose of this meeting is to determine whether the student's impairment can be remediated. Data on student progress toward remediation or lack thereof is reviewed and discussion is held to determine whether the student should continue in the program at this time or is required by the University policies outlined in the Graduate Catalog to be dismissed from the program. All dismissal decisions are made during or shortly after the Step Three meeting. Full documentation is kept of this meeting in the student's program file.

Formal Remediation Plan

The purpose of the remediation plan is to give the student assistance in creating actions that will help the student overcome the barrier/s or issue/s that are interfering with his/her ability to successfully complete the program and become the successful behavior analysts. The creation of the plan is a joint effort between the student, his/her academic advisor and the program. The plan should include:

- Clearly defined student problem areas that interfere with his/her ability to complete the program and become the successful behavior analyst
- Clear mutually agreed upon objectives that will assist the student in remediating the problems they are experiencing
- Action steps to meeting those objectives
- Expected outcome and consequences should these outcomes not be realized
- Time frames by which these objects should be accomplished.

The formal remediation plan should be signed by the student, faculty member and the program director or designee.

Monitoring of the Impaired Student

Impaired students will be monitored for adherence to the remediation plan on a regular and continuous basis. Monitoring will be completed not only through the identification processes listed above but also through ongoing review through the Graduate Applied Behavior Analyst program's monthly Program Meeting.

Dismissal Policy

Student dismissal will be based on the formal dismissal policies found in the Graduate Catalog, failure to adhere to the remediation plan, or continued failure to remediate the barrier/s or the issue/s interfering with the student's ability to practice successfully as a professional behavior analyst.

Student Appeal Process

The student has the right to appeal the conclusions and/or decisions made. The purpose of this appeal process is to secure, at the lowest possible level, an equitable solution to the student's concerns. The appeal process follows the guidelines delineated in the Graduate Catalog.

Course Transfer Policy

As per the University Policy, a student may transfer in a total of six graduate credits towards the Master's Program. However, in relation to the core courses, the content must be consistent with the content of Holy Family program courses in terms of the required areas of study according to the BACB® and ABAI® Standards. An individual interested in transferring credit hours, must submit official transcripts and course syllabi of the courses for review by the program director. Approval must be obtained by the program director. There is no guarantee that courses taken at other institutions will successfully transfer into the program.

Behavior Analyst Certification Board

As is further described by the Board (www.BACB.com), the BACB® is a nonprofit 501(c)(3) corporation established in 1998 to meet professional credentialing needs identified by behavior analysts, governments, and consumers of behavior analysis services. On a regular basis, the BACB®'s certification requirements, exam content, and procedures undergo a review according to international standards for organizations that grant professional credentials. Content experts in the discipline establish the BACB® requirements and examination content. Students are required to thoroughly review the BACB® requirements and associated documents. The Program Director serves as a liaison between the students and the BACB® and ABAI®. Each student must schedule a meeting with the Program Director during the first semester in the program.

Master of Science in Behavior Analysis – 36 Credit

For the most-up-to date information about program curriculum, please see the Program Director.

Core Curriculum

The Master of Science in Behavior Analysis program offers a central core curriculum that aligns with the BACB® and ABAI® course requirements. This core curriculum enables students to develop necessary skills to practice as a behavior analyst in a variety of contexts.

Students are eligible to participate in the practicum courses after they have completed their first course in behavior analysis.

Course and Credit Requirements

Core Curriculum (36 Credits)

MABA 533	Concepts and Principles of Behavior Analysis	3
MABA 535	Basic Behavior Analysis	3
MABA 534	Behavioral Assessment	3
MABA 536	Behavioral Change Procedures	3
MABA 537	Ethics in Behavior Analysis	3
MABA 538	Conceptual Analysis: Theory & Philosophy in Behavior Analysis	3
MABA 539	Performance Management: Personnel Supervision and Organizational Behavior Management	3
MABA 540	Research Design in Applied Behavior Analysis	3
MABA 541	ABA Thesis 1	3
MABA 542	ABA Thesis 2	3
MABA 543	Seminar Component of Experiential Learning in ABA	1
MABA 544	Experiential Learning Field Component in ABA	2
MABA 545	Seminar Component of Experiential Learning in ABA	1
MABA 546	Experiential Learning Field Component in ABA	2
Total Credits		36

Associate of Science in Health Sciences

The Associate of Science in Health Sciences program prepares students to assume roles in health-related fields. The innovative curriculum was developed as part of the newly developed Health Sciences Academy at Holy Family University. This program will be one of the first programs offered to incoming students interested in health-related fields as well as being offered to collaborating high school students participating in the dual enrollment programs. This program is directed at assisting new students entering HFU as undecided with an interest in the healthcare field. Foundation courses such as anatomy, physiology, psychology, health promotion and wellness, sociology, nutrition, and human development serve as building blocks for courses in the major where students plan to strive in health-related fields or to continue their education in one of our many Baccalaureate programs. This program also includes exciting and newly developed course in Informatics, pop culture and health, introduction to healthcare professions, and professional development for health professions

Learning Outcomes

- Understand core concepts related to health-related fields.
- Identify factors related to overall health and healthcare fields.
- Assess needs and challenges related to healthcare in diverse populations.
- Plan, implement, and evaluate programs essential to the healthcare fields.
- Exhibit professional and academic skills needed for entry into Baccalaureate programs or entry-level positions in the field.

Course and Credit Requirements

Core Curriculum (AS Requirements)	21
Concentration	39
Total Credits for Degree	60

Concentration

HSCS 101	Pop Culture and Health	3
HSCS 200	Informatics for Healthcare	3
HSCS 210	Introduction to Healthcare Professions	3
HSCS 212	Professional Development for Health Professions	1
HPWE 101	Introduction to Health Promotion	3
HPWE 206	Nutrition	3

Additional Requirements

BIOL 207	Anatomy & Physiology I	4
BIOL 208	Anatomy & Physiology II	4
BIOL 307	Medical Terminology	3
BIOL 340	Introduction to Clinical Practice	3
PSYC 110	Introduction to Psychology	3
PSYC 208	Lifespan Development	3
SOCO 101	Introduction to Sociology	3

Other Requirements

Open for students in the Dual Enrollment programs or undecided undergraduate students.

Degree Programs in Radiologic Science

Holy Family University recognizes that our current and future students pursuing careers in Radiologic Science may require additional formal education beyond the associate degree level. Therefore, Holy Family offers both Associate of Science in Radiologic Science (ASRS) and Bachelor of Science in Radiologic Science (BSRS) degree options including General, Computed Tomography (CT), Magnetic Resonance (MR), Mammography (M), and Vascular Intervention (VI) tracks. Non-degree certificate tracks in Computed tomography (CT), Magnetic Resonance (MR), Mammography (M), and Vascular Interventions (VI) are also available.

Pre-Radiologic Science Track

The Pre-Radiologic Science curriculum track provides first-time freshmen with a developmental/bridge curriculum for students to enter the Associate of Science in Radiologic Science (ASRS) degree program. Students must meet the admission requirements for the ASRS degree program and cannot apply directly to the Pre-Track program. Admission decisions include an offer of acceptance directly into the pre-radiologic science track, or a first-time-

freshman accepted into the ASRS program may elect to defer acceptance to the ASRS program for the Pre-Radiologic science track.

- This track provides ASRS candidates an alternate admission pathway to enter the degree program.
- Minimum ASRS admission requirements must be satisfied. Matriculation into the ASRS degree program is then granted upon successful completion of 24 university-directed credits completed in two successive semesters (Fall/Spring), achieving a minimum GPA of 3.0.
- Eight courses are included in this track; four completed per semester. The track enables students to maintain full-time enrollment.
- Limited availability is available for this option.
- Courses fulfill core requirements in both the ASRS and BSRS degree programs.

** If a student's cumulative GPA falls below 3.0 at the completion of the Fall semester, the student will have one (1) additional semester to obtain a cumulative GPA of 3.0. Students who do not achieve a cumulative GPA of 3.0 at the completion of the Spring semester forfeit admission to the ASRS Program.*

Transfer Policy

The ASRS Program does not admit students transferring from or who have been dismissed from other radiologic science programs.

Associate of Science in Radiologic Science Degree

Learning Outcomes

- Develop knowledge and skills necessary for competent clinical practice
- Develop effective communication skills for competent clinical practice
- Apply problem solving and critical thinking skills
- Engage in behaviors that promote professional development and growth

The Program

The Associate of Science in Radiologic Science (ASRS) program is a full-time professional degree program completed over 20-months. The curriculum is designed to establish eligibility and prepare graduates to take the national certification examination in Radiography through the American Registry of Radiologic Technology (ARRT). With the ASRS degree and certification by the ARRT, graduates can work in a variety of healthcare settings including hospitals, outpatient centers, physician's offices, mobile x-ray companies, research, and industry.

Clinical Education

Radiologic Science students begin clinical education courses in the Fall semester of the first year. Students must provide evidence of social security verification, national criminal background check, national sex offender search, PA child abuse clearance and drug screening with negative results. Good health, up-to-date immunizations, CPR certification for health care providers and clinical site orientation are required prior to clinical placement. Students must maintain personal medical insurance throughout the program. Neither the University nor clinical agencies are responsible for payment of care rendered to students in case of illness or injury occurring in the clinical area.

Students gain experience in all routine radiographic procedures at either a Joint Commission, DNV-Det Norske Veritas, or National Urgent Care Center accredited clinical agencies. The number of clinical days per week varies by clinical course. Students can expect to spend six hours per day in each clinical assignment. Most rotations are 8:00am - 2:00pm. A minimum of one two-week evening (2:00 pm- 8:00 pm), early morning (7:15 am – 1:15 pm), and mid-day (10:00am - 4:00pm) clinical assignment per semester may be scheduled at some clinical agencies. Clinical education is competency-based. Supervised practice in laboratory simulations and critical observation in the clinical environment by approved clinical preceptors, prepares the student to be evaluated and graded on the delivery of patient care and completion of radiographic procedures. Successful completion of clinical courses demands developing the precise skills required of the professional in practice. An early release option from clinical education assignments is not supported.

Program Progression

Continued enrollment requires students to achieve a minimum:

- Grade of "C+" (77%) in all radiologic science courses
- Concentration GPA of 3.0*
- Cumulative GPA of 3.0*
- Minimum grade of "Pass" on the RADS 122: Clinical Education II Checkpoint Simulation

** (See Student Handbook Associate of Science in Radiologic Science for additional details.)*

Graduation Requirements

Graduation requirements needed to fulfill the ASRS degree include:

- Earn a minimum grade of "C+" (77%) in all radiologic science courses
- Complete all ARRT competency examination requirements
- Satisfy concentration and cumulative 3.0 GPA requirement and
- Pass the comprehensive examination

Program Readmission

Readmission to the ASRS Programs depends upon didactic and clinical space availability. Readmission is only permitted for a student who voluntarily withdraws in good academic standing. A student seeking readmission must submit a written request to the Program Director and be able to complete the program within 32 months from the time she/he initially began the program. Readmission after 12 months will require reapplication and requires the student to repeat previously completed radiologic science courses.

Course and Credit Requirements

Core Curriculum: ASRS Requirements (credits)	21
HFE 100, HFE 200	2
RADS 250 Professional Seminar or HFE 300	1
ENGL 101 (Tier 1)	3
ENGL 115 (Tier 1)	3
Religious Studies (Tier 1)	3
Philosophy (Tier 1)	3
MATH 150 (Tier 2)	3
BIOL 112 (Tier 1)	3

Concentration

RADS 102	Patient Care in Radiologic Science	2
RADS 104/104L	Radiographic Imaging I	3
RADS107/107L	Radiographic Procedures I	4
RADS109/109L	Radiographic Procedures II	4
RADS 114/114L	Radiographic Procedures III	3
RADS 120	Clinical Education I	2
RADS 122	Clinical Education II	2
RADS 200	Clinical Education III	3
RADS202/202L	Radiographic Imaging II	4
RADS 205	Sophomore Seminar	3
RADS 206	Advanced Imaging I	3
RADS 217	Radiographic Pathology	3
RADS 218	Radiation Health Physics	3
RADS 222	Clinical Education IV	3
RADS 232	Clinical Education V	3

Concentration-Related

BIOL 207/207L	Anatomy/Physiology I	4
BIOL 208/208L	Anatomy/Physiology II	4
Total credits for the ASRS degree		74

Other Requirements

Successful completion of a comprehensive examination.

Bachelor of Science in Radiologic Science Degree (BSRS)

Learning Outcomes (General Track)

- Synthesize knowledge and skills utilized for professional practice.
- Evaluate problem solving and critical thinking skills required for competent professional practice.
- Integrate behaviors that promote professional growth and development.
- Identify and analyze factors that influence healthcare needs in diverse populations.

Learning Outcomes (Post-Primary Tracks)

- Synthesize knowledge and skills utilized for specialized post-primary clinical practice in CT, MR, Mammo, or VI.
- Evaluate problem solving and critical thinking skills required for advanced clinical practice.

- Integrate behaviors that promote professional growth and advanced clinical practice.
- Identify and analyze factors that impact clinical practice and patient experience in diverse populations.

The Program

The BSRS program is available on a full-time or part-time basis. The curriculum offers flexible scheduling to accommodate working radiologic science professionals seeking to further their education. Concentration courses are offered online in an asynchronous format. General education courses are not guaranteed online. The 126 credit undergraduate degree programs build upon entry-level foundations, creating a bridge to advanced clinical practice and/or leadership roles in Radiologic Science.

Transfer Credit Evaluation

The University awards 49 semester hour credits for course content mastered through successful completion of an accredited radiography curriculum and attainment of ARRT certification. The University accepts ARRT certification in radiography as validation of entry-level knowledge. Transcripts for radiation therapy and nuclear medicine candidates will be evaluated on an individual basis. Transfer credit of core course credit is evaluated by the Academic Advising Center and approved by the Dean, School of Arts and Sciences and Radiologic Science Program Director.

Requirements

- Current certification by American Registry of Radiologic Technologists or equivalent and compliance with (CE) credit.
- Satisfy Holy Family ASRS curriculum to include the following courses: (3) HFE 100, 200, 300, (1) Writing, (1) Public Speaking, (1) MATH 150, (1) BIOL 112 or GSCI 104, (1) Religious Studies, and BIOL 207, 207L, BIOL 208, 208L (29 credits).
- Satisfy remaining 24 core curriculum credits.
- Completion of specific BSRS concentration (and related) credits. Credit will be awarded for the two (2) clinical courses in each track or RADS electives in the General Track for BSRS students with documentation of academic preparation through ARRT certification in Radiography (R) and formal continuing professional education completed to achieve the ARRT post-primary certification in CT, MR or VI.

Continuation in Program

Continued enrollment in the program requires students to achieve a minimum:

- Grade of "C+" (77%) in all radiologic science courses
- Concentration GPA of 2.3*
- Cumulative GPA of 2.3*

Students earning less than the minimum grade of "C+" (77%) in any didactic concentration course are permitted to repeat this course once. This policy is permitted only one time for one didactic course. Students enrolled in a clinical course earning a grade of "fail" will be dismissed from the program (BSRS or certificate) with no option to reapply. Dismissal from the program does not constitute dismissal from the University.

*Students whose *concentration* and/or *cumulative* GPA drops below 2.3 will have one semester to improve academic performance and increase the GPA to 2.3. Students who do not achieve a cumulative GPA of 2.3 after one additional semester will be academically dismissed from the program. Students who restore their *concentration* and/or *cumulative* 2.3 GPA after one additional semester will be permitted to continue in the program. If the student's *concentration* or *cumulative* GPA falls below the minimum 2.3 at the completion of any subsequent semester, the student will be academically dismissed from the BSRS program.

A student who is academically dismissed from the BSRS or Post-Primary program is not eligible for program readmission.

Course and Credit Requirements

Core Curriculum

Core Requirements (credits)	45
General Education Requirement (Tier 1)	12
Lab Science (BIOL 112)	6
General Education Requirement (Tier 2): MATH 150 and 4 electives	15
Tier 3 Electives	9
HFE 400 (Tier 4)	3

Concentration

ASRS Concentration & Concentration related courses	57
RADS Electives (2)	6
RADS 404 Quality Management	3
RADS 405 Advanced Radiation Health Physics	3
RADS 450 Contemporary Issues in Radiologic Technology	3

Concentration-related (9)

BIOL 115 Introduction to Neuroscience	3
RELS 405 Life and Death: Christian Decision-Making	3
or	
PHIL 205 Bioethics	3
MATH 130 Elementary Statistics	3
or	
PSYC 311 Statistics for Social and Behavioral Sciences	3
Total credits for the BSRS degree	126

Computed Tomography (CT) BSRS

ASRS Concentration & Concentration related courses	57
RADS 401 Sectional Anatomy and Pathology in Medical Imaging	3
RADS 402 Principles of CT Imaging	3
RADS 405 Advanced Radiation Health Physics	3
RADS 412 Image Production in CT	3
RADS 415 Medical Imaging Pathology	3
RADS 424 Clinical Education in Computed Tomography (CT) I	3
RADS 434 Clinical Education in Computed Tomography (CT) II	3
RADS 450 Contemporary Issues in Radiologic Science	3
Total Credits for the BSRS degree	126

Magnetic Resonance (MR) BSRS

ASRS Concentration & Concentration related courses	57
RADS 401 Sectional Anatomy and Pathology in Medical Imaging	3
RADS 407 MR Imaging Procedures	3
RADS 414 MR Imaging Physics	3
RADS 415 Medical Imaging Pathology	3
RADS 417 MR Safety & Applications	3
RADS 427 Clinical Education in Magnetic Resonance (MR) I	3
RADS 437 Clinical Education in Magnetic Resonance (MR) II	3
RADS 450 Contemporary Issues in Radiologic Technology	3
Total Credits for the BSRS degree MR track	126

Mammography (M) BSRS

ASRS Concentration & Concentration related courses	57
RADS 403 Basic Patient Care & Procedures in Mammo	3
RADS 405 Advanced Radiation Health Phys	3
RADS 406 Imaging Procedures in Mammography	3
RADS 413 Advanced Patient Care in Mammo	3
RADS 415 Medical Imaging Pathology	3
RADS 416 Clinical Education in Mammography (M) I	3
RADS 436 Clinical Education in Mammography (M) II	3
RADS 450 Contemporary Issues in Radiologic Technology	3
Total Credits for the BSRS degree M track	126

Vascular Interventional (VI) BSRS

ASRS Concentration & Concentration related courses	57
RADS 405 Advanced Radiation Health Physics	3
RADS 408 VI Equipment and Instrumentation	3
RADS 409 VI Imaging Procedures	3
RADS 415 Medical Imaging Pathology	3
RADS 418 VI Patient Management	3
RADS 429 Clinical Education in Vascular Interventional (VI) I	3
RADS 439 Clinical Education in Vascular Interventional (VI) II	3
RADS 450 Contemporary Issues in Radiologic Science	3
Total Credits for the BSRS degree	126

Other Requirements

- All Radiologic Science courses require a minimum grade of "C+" (77%)
- To continue progression cumulative and concentration GPAs of 2.3 must be maintained.
- Pass a comprehensive examination or comprehensive examination project.

Post-primary Certificate Tracks

The Post-Primary Certificate program tracks (i.e., non-degree) offers didactic and clinical courses in the areas of Computed Tomography (CT), Magnetic Resonance (MR), Mammography (M), and Vascular Interventional (VI). These tracks are available part-time with schedules that accommodate working radiologic science professionals. All tracks include online didactic courses and clinical education placement that satisfies ARRT Structured Education requirements. All Post-Primary Certificate program didactic and clinical courses can be applied to a BSRS degree.

Requirements

- Current certification by the American Registry of Radiologic Technologists (ARRT) or equivalent.
- In compliance with ARRT continuing education requirements.

Course and Credit Requirements

Computed Tomography (CT)

Computed Tomography certificate		15
RADS 401	Sectional Anatomy and Pathology in Medical Imaging	3
RADS 402	Principles of CT Imaging	3
RADS 412	Imaging Production in CT	3
RADS 424	Clinical Education in Computed Tomography (CT) I	3
RADS 434	Clinical Education in Computed Tomography (CT) II	3

Magnetic Resonance (MR)

Magnetic Resonance certificate		15
RADS 407	MR Imaging Procedures	3
RADS 414	MR Imaging Physics	3
RADS 417	MR Safety & Applications	3
RADS 427	Clinical Education in Magnetic Resonance (MR) I	3
RADS 437	Clinical Education in Magnetic Resonance (MR) II	3

Mammography (M)

Mammography certificate		15
RADS 403	Basic Patient Care & Procedures in Mammography	3
RADS 406	Imaging Procedures in Mammography	3
RADS 413	Advanced Patient Care and Procedures in Mammo	3
RADS 416	Clinical Education in Mammography (M) I	3
RADS 436	Clinical Education in Mammography (M) II	3

Vascular Interventional (VI)

Vascular Interventional Post-Primary certificate		15
RADS 408	VI Equipment and Instrumentation	3
RADS 409	VI Imaging Procedures	3
RADS 418	VI Patient Management	3
RADS 429	Clinical Education in Vascular Interventional (VI) I	3
RADS 439	Clinical Education in Vascular Interventional (VI) II	3

Religious Studies

Learning Outcomes

The successful student will be able to:

- Examine one's world view by comparing insights of various religious and theological traditions.
- Analyze select topics from a theological landscape coupled with values of Holy Family University.
- Investigate - with appropriate theological rigor - method, sources and vocabulary of theology inquiry.
- Articulate the principles of the Roman Catholic Moral Tradition noting in particular the dignity of the human person.
- Apply essential elements of the Historical Critical Method (HCM) and the Spiritual Senses of Scripture to theological inquiry.

Course and Credit Requirements

Core Curriculum: BA Requirements (credits)	45
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Concentration*

RELS 104	World Religions	3
RELS 105	Introduction to the Four Gospels	3
RELS 106	Introduction to the Hebrew Scriptures	3
RELS 113	The Sacraments	3
RELS 210	Jesus the Christ	3
RELS 301	Christian Morality	3
RELS 325	Junior Seminar	3
RELS 350	Internship	3
RELS 425	Senior Seminar	3

Select three credits from the following requirements

RELS 112	History of Christianity I	3
RELS 212	History of Christianity II	3

Select six credits from the following Biblical requirements

RELS 107	The Gospel According to Mark	3
RELS 109	The Gospel According to Matthew	3
RELS 110	The Gospel According to Luke	3
RELS 203	The Gospel According to John	3
RELS 205	Prophets of Israel	3
RELS 207	Introduction to Saint Paul	3

Select three credits from the following Moral requirements

RELS 310	Christian Marriage in the Modern World	3
RELS 315	The Gospel of Peace and Justice	3
RELS 405	Life and Death: Christian Decision-Making	3

Select 6 credits from the following Theology requirements

RELS 206	Women and Religion	3
RELS 213	History of the Catholic Church in the United States	3
RELS 215	Religion in America	3
RELS 409	Christian Mysticism	3
RELS 410	Dante's Divine Comedy	3
RELS 431-499	Special Topics	3

Recommended as a Tier 2 General Education Course

PHIL 207	Philosophy of Religion	3
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Free Elective Courses: Ten (10 courses) 30

Other Requirements

- Successful completion of comprehensive exam.

Minors

Note: all prerequisites must be met for the course to be taken in the minor.

Minor in Actuarial Science (18-21 credits)

The declared minor in actuarial science is a multidisciplinary minor which focuses on the application of mathematics and statistics to the study of risk management. Formal coursework in completing Option I or Option II of the minor in actuarial science will help to prepare the student for the Casualty Actuarial Society and the Society of Actuaries (CAS/SOA) Joint Exams 1 and 2 and meet the Validation by Educational Experience (VEE) requirement for Economics. Option III of the minor in actuarial science will help to prepare the student for CAS/SOA Joint Exam 1 and meet VEE requirements for Economics. Minimum grade of "C" is required.

Actuarial Science (20 credits)**Course and Credit Requirements**

ACCT 205	Principles of Financial Account	3
ECON 203	Economic Theory - Micro	3
ECON 204	Economic Theory - Macro	3
MATH 211	Calculus I**	4
MATH 212	Calculus II*** (Prerequisite: MATH 211)	4

Minor in American Studies (18 credits)

The minor in American Studies allows students to explore the social, historical, material, and aesthetic aspects of American culture from an interdisciplinary perspective integrating the humanities and the social sciences. Students electing the American Studies minor will designate a focus area by topic, by time period, or by discipline, and will choose courses to address this area in consultation with an advisor. Minimum grade of "C" is required. The minor consists of six courses to be selected as follows:

Required course

To be taken in the first year of the minor, if possible (one course/three credits):

ENGL 263/HIST 263 Honors American Studies*

3

Specialization (15 credits)

Students may choose between two tracks; the Humanities track and the Social Sciences track. Students opting for the Humanities track will select three courses from the Humanities and two from the Social Sciences, with no more than two courses chosen from any one academic discipline. Students opting for the social sciences track will select three courses from the Social Sciences and two from the Humanities, with no more than two courses chosen from any one academic discipline.

Course and Credit Requirements

Humanities Courses

ENGL 203	Rakes, Rebels, Pioneers: American Lit I	3
ENGL 204	Post-War Visions: American Lit II	3
ENGL 225	American Literature	3
ENGL 245	Modern American Novel	3
ENGL 328	African American Literature and History	3
ENGL 412	Literature and Culture: Cold War	3
ENGL-419	Multicultural Storytelling Wks	3
HIST 203	Slavery, Liberty, & War: America to 1820	3
HIST 204	Conflict & Conquest: American History 1820 to 1920	3
HIST 205	Becoming a Superpower: US Since 1920	3
HIST 304	Jeffersonian and Jacksonian Democracy	3
HIST 312	American Immigration History	3
HIST 313	Women in America	3
HIST 315	History of Pennsylvania	3
HIST 316	American Foreign Policy	3
HIST 317	Revolutionary America	3
HIST 318	Atlantic Worlds	3
HIST 340	American Civil War	3
PHIL 307	Social Ethics	3
RELS 213	History Catholic Church US	3
RELS 215	Religion in America	3

Social Sciences Courses

POLS 204	American National Government	3
POLS 316	Constitutional Law	3
POLS 335	Issues Contemporary American Foreign Policy	3
SOCO 206	Marriage & Family	3

* Permission required of the School of Arts and Sciences.

All prerequisites must be met for the course to be taken in the minor.

Minor in Applied Behavior Analysis (21 credits)

The minor in Applied Behavior Analysis provides an opportunity for students to explore the field of Applied Behavior Analysis in greater depth. This field explores how behavior can be changed, particularly within the context of developmental and school settings. The minor helps to prepare students from any major who are interested in the field of applied behavior analysis, post-baccalaureate certification as a BCaBA, or graduate programs in Applied Behavior Analysis/BCBA. The minor consists of 21 credits and includes courses in Psychology and Education. A minimum grade of "C" is required for each course in the minor.

Course and Credit Requirements

PSYC 333	Concepts and Principles of Behavior Analysis (Prereq: PSYC 110)	3
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PSYC 320	Research Design in ABA (Prereq: PSYC 333)	3
PSYC 354	Intro to Autism Spectrum	3
PSYC 356	Intro to Clinical Applications	3
PSYC 350	Internship I (ABA-related setting)***	3
PSYC 358	Behavior Change Procedures	3
EDUN 308	Positive Management Strategies	3

*Course selection should be made in consultation with an advisor.

**Students intending to use this minor towards BCaBA licensing requirements will need to consult current BCaBA guidelines.

***Students interested in pursuing BCaBA licensure should consider taking PSYC 351 Internship II as well.

All prerequisites must be met for the course to be taken in the minor.

Minor in Art-Studio (18 credits)

The minor in studio art includes a strong foundation in art making as well as the opportunity for advanced study that can be customized to address a student's particular interests. The minor in studio art is designed to allow an in depth investigation of one art making process or a sampling of a variety of art making processes. The minor offers students the opportunity to pursue a course of study in painting, sculpture, graphic design, printmaking, watercolor and/or ceramics. Minimum grade of "C" required.

Course and Credit Requirements

The minor consists of six classes to be selected as follows:

Required Courses (9 credits)

ARTS 223	Two-Dimensional Design	3
ARTS 224	Three-Dimensional Design	3
ARTS 225	Drawing and Composition	3
	or	
ARTS 226	Drawing from the Model	3

Specialization (9 credits)

ARTS 319	Painting I	3
ARTS 320*	Painting II	3
ARTS 217	Sculpture I	3
ARTS 218*	Sculpture II	3
ARTS 321	Ceramics I	3
ARTS 322*	Ceramics II	3
ARTS 323	Printmaking I	3
ARTS 324*	Printmaking II	3
ARTS 210	Watercolor I	3
ARTS 211*	Watercolor II	3
ARTS 315	Graphic Design I	3
ARTS 318*	Graphic Design II	3
ARTS 230	Elements of Typography	3
ARTS 316	Digital Photography	3
ARTS 317	Computer Illustration	3
ARTS 327	Advanced Studio	3

*Courses that have prerequisites, please see course descriptions for more details

Minor in Chemistry (22-24 credits)

The minor in chemistry includes a strong foundation in chemical principles and provides opportunities for advanced study that can be customized to address a student's particular interests or support career goals, such as chemistry-related employment or admission into pre-professional programs. A minimum grade of "C" is required for each course in the minor. Not open to biochemistry majors.

Course and Credit Requirements

CHEM 120/120L	Chemistry Principles I	4
CHEM 121/121L	Chemistry Principles II (Prerequisite: CHEM 120/120L)	4

CHEM 207/207L	Organic Chemistry I (Prerequisites: CHEM 120/120L, CHEM 121/121L)	4
CHEM 208/208L	Organic Chemistry II (Prerequisite: CHEM 207/207L)	4

Options/Specializations within the Minor

The minor in chemistry provides the student with flexibility in choosing courses based upon interest and career goals. It may include advanced course work in biochemistry, inorganic, organic, physical or analytical chemistry. In consultation with a Natural Sciences/Mathematics advisor, students may choose any two (2) 200, 300 or 400 level chemistry courses commensurate with their needs.

Minor in Child Life Specialist (21 credits)

The minor in Child Life Specialist focuses on the early part of the lifespan, including understanding how to help children and families navigate the process of illness, injury, disability, trauma, or hospitalization. The minor will provide students with a comprehensive foundation of course work related to the growth and development of healthy and hospitalized children and adolescents. Successful completion of the multidisciplinary curriculum helps prepare students to become eligible to sit for the Child Life Professional Certification Exam**, should they wish to pursue this path. To become eligible for licensure, students must also complete a clinical internship as outlined by the Association of Child Life Professionals and outside the scope of the coursework.

Course and Credit Requirements

PSYC 348	Child Life Theory and Practice	3
PSYC 204	Infant & Child Development	3
PSYC 213	Adolescent Development (<i>Tier 2</i>)	3
SOCO 206	Marriage & the Family (<i>Tier 2</i>)	3
PSYC 319	Psychology of Play	3
PSYC/SOCO 342	Loss & Grief	3
PSYC/SOCO 322*	Research Methods	3

Additional Courses Needed for Licensure (9 credits)

The three additional courses below are not required for the Minor in Child Life Specialist at Holy Family University; however, students who are interested in pursuing the Child Life Professional Certification Exam after graduation should choose three additional electives from the list below.

****Note:** of Psychology who wish to complete all 10 courses (the 7 required courses and the 3 electives) should work with their academic advisor. to select courses that maximize credit (e.g., courses which fulfill both Child Life Professional **Certification requirements** and **Core requirements**).

Course and Credit Requirements

PSYC 357	Developmental Psychopathology	3
PSYC 354	Intro to Autism Spectrum Disorder	3
PSYC 358	Behavior Change Procedures	3
PSYC/SOCO 341	Family Violence	3
PSYC 347	Introduction to School Counseling	3
BIOL 334*	Applied Neurodevelopment	3
BIOL 307	Medical Terminology	3
PHIL 205	Bioethics (<i>Tier 3</i>)	3
SOCO 212	Race, Class, & Gender (<i>Tier 2</i>)	3
EDUN 201	Educational Psychology	3
EDEC 202	Child Development & Learning	3
EDSP 203	Inclusive Education for All Learners	3
EDUN 308	Positive Management Strategies	3
NURS 431*	Nursing Care of the Childbearing Family+	3
NURS 433*	Nursing Care of Children+	3

*Courses have prerequisites that need to be completed prior to taking these courses. Please see the course descriptions in the course catalog for more information.

**Students will independently need to apply and complete the internship process outside the scope of the university's course offering and the minor in Child Life Specialist upon graduation. Students will need to independently pursue additional licensure requirements outside of the coursework.

+Only to be taken by students in the Nursing program

- Upon successful completion of the curriculum, students are eligible to apply for a 600 hour child life clinical internship at an approved children's hospital under the direction of a Certified Child Life Specialist. Students are responsible for independently applying and securing their own post-baccalaureate internship experience.

- Upon successful completion of the internship, students are eligible to take the Child Life Professional Certification Exam.
- Upon receiving a passing score on the Child Life Professional Certification Examination, students become certified by the Association of Child Life Professionals (ACLP) for a five-year period, after which time they must recertify.
- Only courses that are taken at Holy Family University noted above have been pre-approved by the Association of Child Life Professionals (ACLP). Students should pursue an eligibility assessment with the ACLP for courses not taken at Holy Family.
- The ACLP can make changes to eligibility requirements for certification at any time.

Minor in Childhood Studies (18 credits)

The Childhood Studies minor provides an opportunity for the multidisciplinary study of the social, behavioral, and cognitive development of children. The minor helps to prepare students from any major to work with children in a number of professional settings, including human services, counseling, health care, and academic settings. The minor consists of a minimum of 18 credits. A minimum grade of "C" is required for each course in the minor.

Course and Credit Requirements

Choose one course (3 credits)

PSYC 204	Infant & Child Development	3
PSYC 208	Lifespan Development for Non-Majors	3

Choose five Electives (15 credits)

BIOL 304*	Principles of Genetics	3
BIOL 334*	Applied Neurodevelopment*	3
PSYC 213	Adolescent Development	3
PSYC 319	Psychology of Play	3
PSYC 347	Introduction to School Counseling	3
PSYC 354	Introduction to Autism Spectrum Disorder	3
PSYC 357	Developmental Psychopathology	3
PSYC 358	Behavior Change Procedures	3
PSYC/SOCO 341	Family Violence	3
PSYC/SOCO 350*	Internship I (Child-related setting) *	3
PSYC/SOCO 351*	Internship II (Child-related setting) *	3
SOCO 206	Marriage and the Family	3
CRJU 308*	Juveniles and the Law*	3
EDEC 201	Introduction to Early Childhood Education	3
EDEC 202	Child Development and Learning	3
PHIL 212	Philosophy of Education	3

* All prerequisites must be met for the course to be taken in the minor.

Minor in Creative Writing (18 credits)

The minor in Creative Writing is focused on the three major genres of nonfiction, poetry, and fiction. However, hybridization and fluidity are encouraged for students to explore their creative potential. The School of Arts and Sciences has the student newspaper Tri-Lite and the literary journal Folio for students to gain hands-on writing and publishing experience. A minimum grade of "C" is required for each course in the minor.

Course and Credit Requirements

Required Courses (9 credits)

ENGL 207	Introduction to Literary Study	3
ENGL 209*	Creative Writing3	
ENGL 410*	Advanced Writing Workshop*	3

Choose two courses (2) of the following

ENGL 312*	Nonfiction Writing	3
ENGL 311*	Fiction Writing	3
ENGL 315	Poetry Writing	3

Choose one (1) elective from among any ENGL course 200 level or above (3 credits)

** All prerequisites must be met for the course to be taken in the minor.*

Minor in Criminal Justice (18 credits)

The minor in Criminal Justice provides the student with an introduction to the fundamentals of law enforcement, the courts, and corrections and an opportunity to specialize in a particular area. Comprised of 18 semester hours in any criminal justice courses (i.e., only courses with a designation of "CRJU" will count toward the minor, provided that all prerequisites have been met), the minor prepares students for graduate study in criminal justice or criminology or a career in a criminal justice-related field. The full-time faculty in criminal justice will work to tailor the specific course selection to suit individual students upon request. Grades of less than "C" in criminal justice will not count toward the minor.

Students who graduate with a completed minor in criminal justice will be able to:

- Discuss each of the components of the American criminal justice system, paying particular attention to structure and process;
- Compare and contrast criminological theories with regard to their efficacy and validity in explaining particular types of crimes and
- Evaluate proposed solutions to current challenges confronted by practitioners working in the criminal justice system.

Course and Credit Requirements

Required Course (3 Credits)

CRJU 101	Introduction to the Criminal Justice System	3
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Five (5) additional courses with CRJU designator	15
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Minor in English (18 credits)

An English minor enhances any program of study by developing critical thinking, analytical reading, and strong writing skills. Through courses in literature and writing, students refine their ability to communicate effectively across academic, professional, and creative contexts. Whether exploring literary works or honing their craft as writers, students gain valuable skills that support a wide range of careers.

Course and Credit Requirements

Required Three Courses (9 credits)

ENGL 207	Introduction to Literary study	3
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Two Literature of Place/Time Courses: Choose 2 from:

ENGL 228	Non-Western Literature	3
ENGL 225	American Literature	3
ENGL 220	British Literature	3

Choose three courses (3) of the following electives (9 credits)

At least one course at the 400 level

At least one course at the 300 level

All prerequisites must be met for the course to be taken in the minor.

Minor in Environmental Science (19 credits)

The environmental science minor provides students with the specialized knowledge needed to analyze complex environmental issues, as well as the societal and economic impacts of environmental change. Students will evaluate environmental problems and develop solutions with the limits of societal resources in mind. Minimum grade of "C" is required. Only six transfer credits will be accepted toward the minor.

Course and Credit Requirements

Required Courses (10 credits):

BIOL 121/L	Principles of Biology II	4
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ENVS 101	Introduction to Environmental Science	3
BIOL 332/L	Ecology	3

Electives (9-11 credits)

Students may choose any three electives. Course selection should be made in consultation with a BIOL advisor. Some courses may have prerequisites.

BIOL 306/L	Marine Biology	3
BIOL 300/L	Advanced Microbiology	4
BIOL 324	Inorganic, organic, and cultural evolution	3
BIOL 335	Animal Behavior	3
BIOL/CHEM 350/L	Forensic Sciences	4
GEOG 205	Principles of Geography	3
SOCO 201	Social Problems	3
SOCO 318	Globalization	3

Minor in Forensic Sciences (22 or 23 credits)

The Forensic Sciences minor will provide students with strong physical, chemical and biochemical foundations applied to the field of forensics with emphasis in qualitative and quantitative analytical chemistry. The minor includes laboratory courses that will strengthen the students' skills in analytical chemistry, instrumental analysis, emphasizing in state-of-the-art techniques currently used in medicinal and industrial labs with a focus in forensic sciences. Furthermore, the minor will focus in several aspects of toxicology, as pertains to the solution of criminal cases. A minimum grade of "C" is required for each course in the minor.

Course and Credit Requirements

Required Courses (16 credits)

CHEM 120	General Chemistry I	4
CHEM 121	General Chemistry II	4
CHEM 207	Organic Chemistry	4
BIOL/CHEM 350	Forensic Sciences	4

Choose one of (3 or 4 credits)

CHEM 305	Organic Structural Analysis	4
BIOL/CHEM 417/418	Modern Concepts of Biochemistry I/II	4, 4
BIOL 313	Basic Elements of Pharmacology and Toxicology	3
BIOL 320	Molecular Basis of Disease	3
BIOL 427	Research internship (focused in Forensic Sciences)	3

Choose one of (3 credits)

CRJU 101	Introduction to the Criminal Justice System	3
CRJU 210	Law Enforcement	3
CRJU 328	Criminal Investigation & Forensics	3
CRJU 318	The Court System and Court Procedures	3
PSYC 110	Introduction to Psychology	3
PSYC 345	Psychopathology	3

Minor in Gerontology (18 credits)

The Gerontology minor provides an opportunity for the multidisciplinary study of the biological, psychological, and social/policy aspects of aging over the life course. The minor helps to prepare students from any major to work with older adults in a number of professional settings, including human services, counseling, health care, and business settings. The minor consists of a minimum of 18 credits and may include courses in Psychology, Sociology, or Criminal Justice. A minimum grade of "C" is required for each course in the minor.

Course and Credit Requirements

Choose one of

PSYC 110	Introduction to Psychology	3
SOCO 101	Introductory Sociology	3

Required Course

PSYC/SOCO 207	Adult Development and Aging	3
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Choose Four Courses Electives (12 Credits)

HPWE 200	Health Promotion through the Lifespan	3
PSYC 212	Psychology of Health and Illness	3
PSYC/SOCO 342	Loss and Grief	3
CRJU/SOCO 219	Victimology	3
PSYC/SOCO 350*	Internship I (Gerontology setting)	3
PSYC/SOCO 351*	Internship II (Gerontology setting)	3

**All prerequisites must be met for the course to be taken in the minor.*

Minor in Health Humanities (18 credits)

The Health Humanities minor is an interdisciplinary program that encourages the integration of humanities into healthcare and medical practices. Drawing insights from science, social science, humanities, and health services, it nurtures introspection, fostering thorough and thoughtful critical reflection of health, illness, and human suffering. It acknowledges the diverse definitions, perspectives, and experiences of health, healing, and illness.

Its aim is to equip students for conscientious decision-making as healthcare practitioners and responsible members of society. This goal is achieved through examination of ethical debates, the principles guiding healthcare, and exploration of the socio-cultural context of medicine and medical care. Moreover, through attention to storytelling and patient narratives, the minor facilitates a deeper understanding of patients' experiences, hence promoting empathy and communication among healthcare professionals for more patient-centered care.

Course and Credit Requirements

Required course

HHUM 201	Humanities and Healthcare	3
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Elective Courses

Take a minimum of 15 credits from the list below, with at least one (1) course from each of the following categories:

Sciences

BIOL 112	Intro to Human Biology	3
BIOL 115	Introduction to Neuroscience	3
BIOL 120	Intro to Biological Principles I	3
BIOL 307	Medical Terminology	3

Social and Behavioral Sciences

PSYC 342/SOCO 342	Loss and Grief	3
HFEX 378 ST	Health Activism	3
PSYC 204	Infant and Child Development	3
PSYC 206	Child and Adolescent Development	3
PSYC 207	Adult Development and Aging	3
PSYC 208	Lifespan Development for Non-Major*	3
PSYC 212	Psyc of Health and Illness	3
PSYC 220	Addictions-Life Perspective	3
PSYC 345	Psychopathology	3
PSYC 357	Developmental Psychopathology	3
PSYC 309	Multicultural Mental Health	3
HPWE 101	Intro Health/Wellness	3
PSYC 315	Psychopharmacology	3

**Not to be taken by PSYC majors for this minor*

Literature and Languages

ENGL316	Themes in Graphic Narratives: Medicine	3
ENGL 321	Lit and Disability	3
ENGL 323	Healing, Illness, and Stories	3

Humanities

RELS 405	Life Death: Christian Decision Making	3
ARTS 221	Art Therapy	3
PHIL 201	Philosophy of Human Nature	3
PHIL 205	Bioethics	3
PHIL 218	Philosophy of Science	3
PHIL 216	Philosophy of Love	3
PHIL 307	Social Ethics	3

Minor in History (18 credits)

The History minor offers students an introduction to World and American History, allows them to study in depth an area of interest, and provides training in historical methodology. Minimum grade of "C" is required.

Course and Credit Requirements**Required Courses (6 credits)****One course (3 Credits) in Global History, chosen from among**

HIST 108	Gladiators, Gods, Greeks--Ancient History	3
HIST 109	Medieval History from Samurai to Viking	3
HIST 208	Age of Empire: Modern World History	3

One course (3 Credits) in American History, chosen from among

HIST 203	Slavery, Liberty, & War: America to 1820	3
HIST 204	Conflict & Conquest: America 1820--1920	3
HIST 205	Becoming a Superpower: US Since 1920	3

Four additional courses (12 credits)

A student will take 4 additional courses. One of these four courses must be a HIST seminar, and of the 3 other HIST courses, at least one must be at the 300 or 400 level.

Minor in Integrated Health Promotion (18 credits)

The minor in Integrated Health Promotion gives the student an introduction to the content and practices in the discipline. Minimum grade of C is required. Only six transfer credits will be accepted toward the minor.

Upon successful completion of the BS in Nutrition program, students will qualify with a minor in Integrated Health Promotion gives the student an introduction to the content and practices in the discipline. Minimum grade of "C" is required. Only six transfer credits will be accepted toward the minor.

*Certain courses within this major are offered through a partnership with Rize Education. These courses are all offered in an online, asynchronous format and Holy Family students take these courses alongside students from other universities that participate in the LCMC consortium. All courses have been vetted through Holy Family University's standard faculty governance processes and are assessed using the same methods as courses taught by Holy Family University faculty. Students who successfully complete these courses earn Holy Family University credits that are applied toward their degree.

Course and Credit Requirements

HPWE 101	Introduction to Health Promotion and Wellness (HPWE)	3
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Two Courses (6 credits) Required from the Following:

HPWE 200	Health Promotion Through the Lifespan	3
HPWE 202	Strategies of Stress Management	3
HPWE 206	Nutrition (or equivalent NURS 206)	3
PSYC 212	Psychology of Health and Illness	3

Two Courses (6 credits) Required from the Following:

HPWE 320	Teaching Strategies for HPWE	3
HPWE 325	Coaching Principles for HPWE	3
HPWE 355	Research for EBP (or equivalent NURS 355)	3
HPWE 360	Health Policy: Global and National Perspectives	3
HPWE 410	HPWE Program Planning	3

Choose One Course (3 credits) from the Following:

Restricted electives are to be selected in consultation with the HPWE faculty advisor. (*Students are required to make sure all pre-requisites are satisfied for all classes.*) The following courses meet this requirement:

- Courses from MNMK, PSYC, SOCO departments for the 200-, 300-, or 400-levels
- BIOL 333 Kinesiology and Biomechanics
- NURS 202 Introduction to Professional Nursing
- NURS 204 Foundations of Nursing Practice
- NURS 345 Nursing & Older Adult Health Promotion
- BUSA 100 Intro to Business
- ARTS 202 Digital Design
- ARTS 212 Web Design & E-Commerce
- ARTS 315 Graphic Design

Minor in Mathematics (20 credits)

The minor in Mathematics allows the students to deepen their mathematical background and increase their quantitative reasoning skills while pursuing their major. This minor can be beneficial to students concentrating in business or science who wish a broader knowledge of mathematics within and outside their field. A minimum grade of "C" is required for each course in the minor.

Course and Credit Requirements**Required Courses (8 credits)**

MATH 210	Calculus for the Biological Sciences	4
OR		
MATH 211	Calculus I	4
MATH 212	Calculus II	4

Four Electives (12-16 credits)

Any four MATH courses at the 200, 300, or 400 level

Options/Specializations within the Minor:

The minor provides the student with flexibility in choosing courses based upon interest and career goals. In consultation with a MATH advisor, students may choose any four (4) 200, 300 or 400 level mathematics courses commensurate to their needs.

Minor in Mental Health Services (18 credits)

The Mental Health Services minor provides an opportunity for the multidisciplinary study of mental health across the lifespan. The minor helps to prepare students from any major to work in mental health-related fields, by providing both academic knowledge and practical skills relevant to helping professions, including human services, counseling, health care, and academic settings. Students may tailor the minor to their specific interests and educational goals. The minor consists of a minimum of 18 credits and a minimum grade of "C" is required for each course in the minor. The minor consists of 6 courses to be selected as follows:

Course and Credit Requirements (6 courses /18 credits)**Requirements (9 credits)**

PSYC 110	Introduction to Psychology	3
PSYC 345	Psychopathology	3
PSYC 356	Introduction to Clinical Applications	3

Choose Three Electives (9 credits)

PSYC 212	Psychology of Health and Illness	3
PSYC 220	Addictions	3

PSYC/ARTS 221	Art Therapy	3
PSYC 309	Multicultural Mental Health	3
PSYC 315	Psychopharmacology	3
PSYC 330	Positive Psychology	3
PSYC 350	Internship I	3
PSYC 351	Internship II	3
PSYC 357	Developmental Psychopathology	3
PSYC 342	Loss and Grief	3
PSYC 347	Intro to School Counseling	3
PSYC 425	Psychological Assessment	3
SOCO 208	Social Deviance	3
CJRU 219	Victimology	3
ENGL 323	Healing, Illness, and Stories	3

Minor in Neuroscience (19 credits)

The Neuroscience minor provides an opportunity for the multidisciplinary study of the brain and behavior. The minor helps to prepare students from any major who are interested in health-related fields. The minor consists of a minimum of 19 credits and may include courses in Psychology, Biology, Chemistry. A minimum grade of "C" is required for each course in the minor.

Course and Credit Requirements

Required Courses (13 credits)

BIOL 115	Introduction to Neuroscience	3
BIOL 121	Biology II	4
PSYC 305	Physiological Psychology	3
PSYC 345	Psychopathology	3

Choose two courses (6 Credits) of the following

PSYC 354	Intro to Autism Spectrum	3
PSYC 331	Sensation and Perception	3
PSYC 357	Developmental Psychopathology	3
BIOL 335	Animal Behavior	3
PSYC 315	Psychopharmacology	3
BIOL 313	Pharmacology/Toxicology	3
BIOL 334	Applied Neurodevelopment	3
BIOL 312	Cell to Cell Interaction	3

Minor in Natural Sciences (22 Credits)

The Minor in the Natural Sciences prepares the Holy Family student to think globally and will give the student the opportunity to experience and to explore the breadth of the Natural Sciences. Essential biological and chemical principles of nature will be presented as an interplay between chemical and physical Laws and their impact upon both living and non-living systems. Minimum grade of "C" is required.

Course and Credit Requirements

Required courses

BIOL 120, 120L	Biological Principles I	4
BIOL 121, 121L	Biological Principles II	4
CHEM 120, 120L	Chemistry Principles I	4
CHEM 121, 121L	Chemistry Principles II	4
GSCI 108	The Environment of the Planet Earth	3
GSCI 110	The Science of Physics	3

It is recommended that the student declare this minor in either their Freshman or Sophomore year and complete the coursework in the following sequential order:

- Year 1: BIOL 120,120L (Fall) and BIOL 121, 121L (Spring)
- Year 2: CHEM 120, 120L (Fall) and CHEM 121, 121L (Spring)
- Year 3: GSCI 108 (Fall) and GSCI 110 (Spring)

Minor in Philosophy (18 credits)

The minor in Philosophy provides students with the opportunity to enhance their education with a firm grounding in the practice of analysis and critical thinking characterized by the careful exploration of philosophical concepts. With an emphasis on ethical theory and practice supplemented by offerings in basic areas of philosophical concepts, the Philosophy Minor is an enriching accompaniment to any major. The full-time philosophy faculty will tailor a variety of alternative minors to suit individual students. Minimum grade of "C" is required.

Course and Credit Requirements

Requirements (3 Credits)

PHIL 101	Philosophy and the Good Life	3
PHIL 101	HNR Philosophy and the Good Life	3
PHIL 212	Philosophy of Education	3
PHIL 218	Philosophy of Science	3
PHIL 301	Ethics	3

Choose Five Courses (15 Credits)

PHIL 101	Philosophy and the Good Life	3
PHIL 101	HNR Philosophy and the Good Life	3
PHIL 201	Philosophy of Human Nature	3
PHIL 202	Logic	3
PHIL 205	Bioethics	3
PHIL 207	Philosophy of Religion	3
PHIL 208	Business Ethics	3
PHIL 210	Asian Philosophy	3
PHIL 212	Philosophy of Education	3
PHIL 215	Existentialism	3
PHIL 216/216	HNR Philosophy of Love	3
PHIL 218	Philosophy of Science	3
PHIL 301	Ethics	3
PHIL 303	Philosophy of Art	3
PHIL 325	Junior Seminar	3
PHIL 425	Senior Seminar	3

Minor in Political Science (18 credits)

The minor in Political Science allows students to augment majors in Business Administration, Criminal Justice, Economics, Foreign Languages, History, Psychology, Sociology, or other social science fields. It prepares students to continue graduate study, pursue careers in government service, law or politics. Minimum grade of "C" is required.

Course and Credit Requirements

Required Courses (9 credits)

POLS 204	American National Government	3
POLS 210	Introduction to International Relations	3

Four elective courses in Political Science (12 credits)

Minor in Pre-Law (18 credits)

The minor in Pre-Law allows students to explore in an interdisciplinary manner, the philosophical, political, criminal, and psychological aspects of American society toward preparation for legal studies after graduation and a career in law. Courses should be selected in consultation with the Pre-Law Advisor. Minimum grade of "C" is required. Only six transfer credits will be accepted for the minor.

Course and Credit Requirements

Required Courses (9 credits)

CRJU 317	Criminal Law	3
PHIL 202	Logic	3
POLS 204	American National Government	3

Elective Courses (9 credits)

CRJU 101	Introduction to the Criminal Justice System	3
CRJU 210	Law Enforcement	3
CRJU 308	Juveniles and the Law	3
CRJU 318	The Court System and Court Procedure	3
CRJU 350 or 351 Internship for Criminal Justice		3
OR		
HIST 428 or 429	Internship for History	3
PHIL 205 Bioethics		3
PHIL 301	Ethics	3
PSYC 341	Family Violence	3
PSYC 345	Psychopathology	3

Any prerequisites must be met prior to taking a minor course.

Minor in Psychology (18 credits)

The minor in Psychology gives the student an introduction to the content and methodology of the field. Minimum grade of C is required.

Course and Credit Requirements**Requirements (3 credits)**

PSYC 110	Introduction to Psychology	3
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Choose Five Electives (15 credits)

A student can choose any five (5) psychology courses with a psychology designation.

** PSYC 208 may not be chosen if the student has completed PSYC 206, 204, 213, or PSYC 207

PSYC 206, 204, 213, or PSYC 207 may not be taken if the student has taken PSYC 208.

Minor in Religious Studies (18 credits)

The Religious Studies minor provides students with a deeper and broader exploration into various disciplines of theological study. Minimum grade of "C" is required

Course and Credit Requirements**Required Course (3 credits)****Take One Tier 1 Religion Course from the following:**

RELS 104	World Religions	3
OR		
RELS 104 HNR	Honors World Religions	3
RELS 105	Intro to the Four Gospels	3
RELS 106	Intro the Hebrew Scriptures	3
RELS 108	Basics of the Catholic Faith	3
RELS 210 HNR	Honors Jesus the Christ	3

Any Five Additional Religion Courses (15 credits)

RELS 104	World Religions	3
OR		
RELS 104 HNR	Honors World Religions	3
RELS 105 Intro to the Four Gospels		3
RELS 106	Intro the Hebrew Scriptures	3
RELS 107	Gospel According to Mark	3
RELS 108	Basics of the Catholic Faith	3
RELS 109	Gospel According to Matthew	3
RELS 110	Gospel According to Luke	3
RELS 112	History of Christianity	3
RELS 113	Sacraments	3

RELS 202	Methods in Religious Education	3
RELS 203	Gospel According to John	3
RELS 205	Prophets of Israel	3
RELS 206	Women & Religion	3
RELS 207	Intro to St. Paul	3
RELS 210	Jesus the Christ	3
RELS 210 HNR	Honors Jesus the Christ	3
RELS 212	History of Christianity II	3
RELS 213	History of Catholic Church in the US	3
RELS 215	Religion in America	3
RELS 301	Christian Morality	3
RELS 310	Christian Marriage	3
RELS 315	Gospel Peace and Justice	3
RELS 325	Junior Seminar	3
RELS 350	Internship I	3
RELS 351	Internship II	3
RELS 408	Church in Modern World	3
RELS 425	Senior Seminar	3
RELS 499	Special Topics in Religion	3

Minor in Second Degree Nursing Pathway (18 Credits)

The Second Degree Nursing-Pathway Minor (for currently enrolled non-nursing major undergraduate students) is designed to provide a structured, supported pathway into the Second Degree Bachelor of Science in Nursing through the completion of the necessary pre-requisite coursework.

Required Courses (18 Credits)

BIOL 207: Anatomy and Physiology I	4
BIOL 208: Anatomy and Physiology II	4
NURS 206: nutrition (must be NURS)*	3
BIOL 206: Microbiology	4
MATH 130: Statistics	3

Please refer to the criteria for admission requirements in the Second Degree Nursing program in the School of Nursing portion of the catalogs, including but not limited to: required grades, minimum GPA across these 5 courses, and degree requirements.

Minor in Sociology (18 credits)

The minor in Sociology gives the student an introduction to the content and methodology of the field. Comprised of a 3 credit Introductory Sociology course and 15 additional semester hours in any sociology courses (i.e., only courses with a designation of "SOCO" will count toward the minor, provided that all prerequisites have been met), the minor prepares students for graduate study in sociology and/or the social sciences or a career in a sociology-related field. The full-time faculty in sociology will work to tailor the specific course selection to suit individual students upon request. Minimum grade of "C" is required.

Course and Credit Requirements

Required Courses (3 credits)

SOCO 101	Introductory Sociology (Core)	3
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Choose five courses of the following electives (15 credits)

SOCO 201	Social Problems	3
SOCO 206	Marriage and Family	3
SOCO 207	Adult Development and Aging	3
SOCO 208	Social Deviance	3
SOCO 210	Gender Issues	3
SOCO 212	Race, Class, & Gender	3
SOCO 219	Victimology	3
SOCO 220	Addictions	3
SOCO 318	Globalization	3
SOCO 341	Family Violence	3
SOCO 342	Loss and Grief	3

Minor in Spanish (18 credits)

The objective of the minor in Spanish is to enable students majoring in any field to acquire proficiency in the language, understanding the richness of its culture, and knowledge of the countries in which the language is spoken. The coursework needed to earn a minor in Spanish at Holy Family is challenging but achievable. It is thought to provide the necessary linguistic and cultural skills, and knowledge that the students will need to function successfully in the target language, in a variety of situations and topics. Minimum grade of "C" is required.

Course and Credit Requirements

Required Courses (9 credits)

SPAN 103	Intermediate Spanish I or SPAN 201 Advanced Spanish I	3
SPAN 104	Intermediate Spanish II or SPAN 202 Advanced Spanish II	3
SPAN 309	Spanish Composition and Conversation	3

Choose three courses of the following electives (9 credits)

SPAN 114	Spanish for Educators	3
SPAN 207	Business Spanish	3
SPAN 211	Introduction to Creative Writing in Spanish	3
SPAN 213/ CRJU 213	Spanish for Criminal Justice	3
SPAN 302	Hispanic Influences in the US (taught in English)	3
SPAN 310	Topics in Professional Spanish	3
SPAN 314	Civilizations in Spain and Latin America	3
SPAN 315	Introduction to the Literatures of Spain and Latin America	3

Child Life Specialist (CLS) School of Arts & Sciences Certificate (30 credits)

The 10-month, fully online Child Life Specialist Certificate Program at Holy Family University provides students with a comprehensive foundation of course work related to the growth and development of healthy and hospitalized children and adolescents. This 10-course certification program is intended for students who have already completed a Bachelor's degree in a related field of study, and have successfully completed Introduction to Psychology and Statistics courses. Successful completion of the multidisciplinary curriculum helps prepare students to become eligible to sit for the Child Life Professional Certification Exam, should they wish to pursue this path. Students must earn at least a "C" in each course of this certificate program. Courses marked with an asterisk (*) have prerequisites.

Course and Credit Requirements

Required Courses (21 Credits)

PSYC 348	Child Life Theory and Practice	3
PSYC 204	Infant & Child Development	3
PSYC 213	Adolescent Development	3
SOCO 206	Marriage & the Family	3
PSYC/SOCO 322*	Research Methods	3
PSYC/SOCO 342	Loss & Grief	3
PSYC 319	Psychology of Play	3

Choose 3 Electives from the following (9 Credits)

PSYC 357	Developmental Psychopathology	3
PSYC 354	Intro to Autism Spectrum Disorder	3
PSYC 358	Behavior Change Procedures	3
PSYC/SOCO 341	Family Violence	3
PSYC 347	Introduction to School Counseling	3
BIOL 334*	Applied Neurodevelopment	3
BIOL 307	Medical Terminology	3
PHIL 205	Bioethics	3
SOCO 212	Race, Class, & Gender	3
EDUN 201	Educational Psychology	3
EDEC 202	Child Development & Learning	3
EDSP203	Inclusive Education for All Learners	3
EDUN 308	Positive Management Strategies	3

NURS 431*	Nursing Care of the Childbearing Family+	3
NURS 433*	Nursing Care of Children+	3

*Courses have prerequisites that need to be completed prior to taking these courses. Please see the course descriptions in the course catalog for more information.

+Only to be taken by students in the Nursing program

- Upon successful completion of the required courses, students will receive a certificate of program completion from Holy Family University.
- Upon successful completion of the curriculum, students are eligible to apply for a 600 hour child life clinical internship at an approved children's hospital under the direction of a Certified Child Life Specialist. Students are responsible for independently applying and securing their own post-certificate internship experience.
- Upon successful completion of the internship, students are eligible to take the Child Life Professional Certification Exam.
- Upon receiving a passing score on the Child Life Professional Certification Examination, students become certified by the Association of Child Life Professionals (ACLP) for a five-year period, after which time they must recertify.
- Only courses that are taken at Holy Family University noted above have been pre-approved by the Association of Child Life Professionals (ACLP). Students should pursue an eligibility assessment with the ACLP for courses not taken at Holy Family.
- The ACLP can make changes to eligibility requirements for certification at any time.

Post-Baccalaureate Second Degree Nursing Pathway Certificate (18 Credits)*

The Post-Baccalaureate Second Degree Nursing-Pathway Certificate (for students who have completed a bachelor's degree in a non-nursing related area of study) is designed to provide a structured, supported pathway into the Second Degree Bachelor of Science in Nursing through the completion of the necessary pre-requisite coursework.

Required Courses (18 Credits)

BIOL 207: Anatomy and Physiology I	4
BIOL 208: Anatomy and Physiology II	4
NURS 206: nutrition (must be NURS)*	3
BIOL 206: Microbiology	4
MATH 130: Statistics	3

*The certificate requires an overall GPA of 3.0 to enroll in the certificate program.

Please refer to the criteria for admission requirements in the Second Degree Nursing program in the School of Nursing portion of the catalogs, including but not limited to: required grades, minimum GPA across these 5 courses, and degree requirements.

School of Business and Technology

Contact Information

Tobin Porterfield, PhD

Dean, School of Business and Technology

Information about Holy Family University's Master of Business Administration Programs is available in the Graduate Catalog.

Mission

Built upon a foundation of liberal arts, the Mission of the School of Business and Technology at Holy Family University is to deliver high quality business education, in a student-centered environment that fosters leadership, global and multicultural awareness, and social responsibility.

Undergraduate Degree Programs

Bachelor of Arts

- Accounting
- Applied Computer Science
- Business Administration
- Business Analytics
- Computer Information Systems
- Cybersecurity Administration
- Cybersecurity and IT Management
- Healthcare Administration and Management
- Marketing
- Professional Sales and Marketing
- Sport Marketing Management
- Supply Chain Management

Minors

- Business Administration
- Business Analytics
- Computer Information Systems
- Cybersecurity Administration
- Digital Marketing

Degree Programs in the School of Business and Technology

Dismissal Policy

The School of Business and Technology programs all adhere to the Holy Family University dismissal policy which is found under academic standing in the catalog.

Accreditation

The Bachelor of Arts programs in Accounting, Business Administration, Computer Information Systems, Marketing, and Sports Marketing Management are accredited by the Accreditation Council for Business Schools and Programs (ACBSP).

Learning Outcomes

The successful student will be able to:

- Demonstrate proficiency with basic accounting and finance concepts.
- Demonstrate proficiency regarding knowledge of the economic environment.
- Demonstrate proficiency regarding knowledge of the social, ethical, and legal environments.
- Demonstrate proficiency regarding application of management concepts.
- Demonstrate proficiency regarding application of marketing concepts.
- Demonstrate proficiency regarding knowledge of international business and global dimensions of business.

Common Business Requirements

Each course in the following common business requirements (45 credits) must be completed with a minimum grade of C. In addition, each required course in the concentration, concentration-related and concentration tracks must be completed with a minimum grade of "C".

ACCT 205	Principles of Financial Accounting	3
ACCT 206	Principles of Managerial Accounting	3
BUSA 100	Introduction to Business	3
BUSA 104	Applied Business Statistics	3
BUSA 320	Business Law	3
BUSA 440	Business Core Culmination	3
BUSA 445	Strategic Management	3
BUSI 416	International Business	3
CMIS 220	Management Information Systems	3
ECON 203	Economic Theory-Micro	3
ECON 204	Economic Theory-Macro	3
FINC 301	Financial Management	3
MNMK 312	Principles of Marketing	3
MNMK 315	Operations Management	3
MNMK 340	Managing People in Organizations	3

Accounting

Learning Outcomes

The successful student will be able to:

- Demonstrate understanding of accounting in the business environment
- Demonstrate knowledge of accounting fundamentals
- Develop and work with business financial statements
- Conduct accounting analyses in multiple areas

Course and Credit Requirements

Core Curriculum: BA Requirements	45
Common Business Requirements	45
Concentration Requirements	30
Total (credits)	120

Concentration

ACCT 307	Intermediate Accounting I	3
ACCT 308	Intermediate Accounting II	3
ACCT 335	Accounting Systems	3
ACCT 404	Auditing	3
ACCT 413	Introduction to Taxation	3
ACCT 414	Advanced Taxation	3
ACCT 415	Advanced Accounting	3
ACCT 439	Senior Seminar in Accounting	3
ACCT 427	Financial Fraud & Reporting	3
BUSA 350	Internship	3

Other Requirements

Successful completion of comprehensive examination which is incorporated into BUSA 440.

Applied Computer Science

Learning Outcomes

The successful student will be able to:

- Write clear, well-commented code that considers scalability, usability and computational efficiency in common programming languages.
- Scope and implement functional programs to solve a range of problems.
- Define front-end development and create usable applications leveraging modern front-end frameworks.

- Define back-end development and build and use relational databases using modern back-end frameworks.
- Design and follow product lifecycle best practices to ensure that they build products that meet clear needs and constraints.
- Clearly articulate the value and implications of a development project to manage product stakeholders.

Course and Credit Requirements

Core Curriculum: BA Requirements	45
Concentration Requirements	75
Total	120

Concentration

BUSA 350	Internship I	3
CSCI 100*	Intro to Computer Science	3
CSCI 105*	Programming for Everyone I	3
CSCI 110*	Programming for Everyone II	3
CMIS 210	Web Design	3
CMIS 211	Internet Programming	3
CMIS 220	Management Information Systems	3
CMIS 234	Human Computer Interaction	3
CMIS 303	Networking	3
CMIS 307	Systems Analysis & Design	3
CMIS 308	Database Management	3
CMIS 412	Operating Systems	3
CMIS 418	Cybersecurity	3
CSCI 215*	Data Structures	3
CSCI 305*	App Development 1: Backend	3
CSCI 307*	App Development 2: Frontend	3
CSCI 311*	Algorithms	3
CSCI 326*	Software Development	3
CSCI 400*	Computer Systems	3
CSCI 440*	Capstone Project	3
MATH 130	Elementary Statistics	3

Electives

Six credits of free electives	6
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Other Requirements

Successful completion of comprehensive project which is incorporated into CSCI 440.

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Business Administration

Learning Outcomes

The successful student will be able to:

- **Develop Critical Thinking and Problem-Solving Skills:** Students will be able to analyze complex business scenarios, identify key issues, and formulate strategic solutions that address organizational challenges effectively.
- **Master Project-Based Management Techniques:** Students will gain hands-on experience in managing projects, leading teams, and implementing leadership strategies that enhance productivity and drive organizational success in both Fortune 500 companies and fast-growing tech firms.
- **Acquire Specialized Knowledge for Entry-Level Roles:** Students will learn to perform specific, specialized tasks required for entry-level positions, including strategic planning, operational management, and effective communication within a business environment, ensuring they are job-ready from day one.

Course and Credit Requirements

Core Curriculum: BA Requirements	45
Common Business Requirements	45
Concentration Requirements	30
Total (credits)	120

Concentration

MNMK 250	Business Communications	3
MNMK 350	Business Ethics	3
MNMK 335	Management and Leadership	3
MNMK 317	Project Management	3
MNMK 400	Conflict Management & Negotiation	3
MNMK 439	Senior Sem: Management	3
BUSA 350	Internship	3

Free Electives

Nine Credits of Free Electives	9
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Other Requirements

Successful completion of comprehensive examination which is incorporated into BUSA 440.

Business Analytics**Learning Outcomes**

The successful student will be able to:

- Utilize current statistical packages and languages to manipulate, analyze, and visualize data.
- Apply advanced statistical and machine learning techniques to glean trends within data.
- Construct database systems and specialized storage frameworks to store and analyze large datasets.
- Apply the correct statistical and scientific methodology based on the data and intended research.
- Develop data-driven business decisions and strategies.

Course and Credit Requirements

Core Curriculum: BA Requirements	45
Common Business Requirements	45
Concentration Requirements	30
Total (credits)	120

Concentration

BUAN 105*	Foundation of Data Analytics I	3
BUAN 205*	Foundations of Data Analytics II	3
BUAN 215*	Business Analytics I	3
BUAN 315*	Business Analytics II	3
BUAN 410*	Data Analytics Capstone	3
CSCI 105*	Programming for Everyone I	3
CSCI 110*	Programming for Everyone II	3
CSCI 215*	Data Structures	3
BUSA 350	Internship	3

Free Electives

Six Credits of Free Electives	6
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Other Requirements

Successful completion of comprehensive examination which is incorporated into BUSA 440.

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Holy Family University faculty. Students who successfully complete these courses earn Holy Family University credits that are applied toward their degree.

Computer Information Systems

Learning Outcomes

The student completing the Computer Information Systems concentration will be able to:

- Proficiently use a variety of computer languages, methodologies and platforms.
- Apply the correct methodologies for the development of systems.
- Identify and explore future trends within the computing area.

Course and Credit Requirements

Core Curriculum: BA Requirements	45
Common Business Requirements	45
Concentration Requirements	33
Total (credits)	123

Concentration

BUSA 350	Internship	3
CMIS 107	Introductory Programming	3
CMIS 205	Advanced Programming	3
CMIS 211	Internet Programming	3
CMIS 234	Human-Computer Interaction	3
CMIS 303	Networking	3
CMIS 307	Systems Analysis	3
CMIS 308	Database Management	3
CMIS 418	Cyber Security	3
CMIS 439	Senior Seminar	3

Other Requirements

Successful completion of comprehensive examination which is incorporated into BUSA 440.

Cybersecurity Administration

Learning Outcomes

The successful student will be able to:

- Display critical thinking and problem skills in relation to a wide range of Cybersecurity challenges.
- Analyze and investigate cyberattacks and their aftermath.
- Display the ability to communicate technical concepts to both technical and non-technical stakeholders effectively.
- Adapt to emerging threats within their field.

Course and Credit Requirements

Core Curriculum: BA Requirements	45
Common Business Requirements	45
Concentration Requirements	30
Total (credits)	120

BUSA 350	Internship	3
CSCI 105*	Programming for Everyone I	3
CYBR 101*	Introduction to Cybersecurity	3
CYBR 200*	Network & Systems Security	3
CYBR 201*	Cybercrime and Governance	3
CYBR 303*	The Future of Cybersecurity	3
CYBR 304*	Security Operations	3
CYBR 305*	Ethical Hacking	3
CYBR 402*	Cybersecurity Capstone	3

Free electives

Three credits of free electives	3
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Other Requirements

Successful completion of comprehensive examination which is incorporated into BUSA 440.

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Cybersecurity and IT Management

Learning Outcomes

The successful student will be able to:

- Display critical thinking and problem skills in relation to a wide range of Cybersecurity challenges.
- Analyze and investigate cyberattacks and their aftermath.
- Display the ability to communicate technical concepts to both technical and non-technical stakeholders effectively.
- Adapt to emerging threats within their field.

Course and Credit Requirements

Core Curriculum: BA Requirements	45
Common Business Requirements	45
Concentration Requirements	30
Total (credits)	120

Concentration

BUSA 350	Internship	3
CMIS 100*	Intro to IT	3
CSCI 105*	Programming for Everyone I	3
CMIS 202*	Google Cloud Computing Foundations	3
CSCI 110*	Programming for Everyone II	3
CYBR 200*	Network & Systems Security	3
CYBR 303*	The Future of Cybersecurity	3
CYBR 304*	Security Operations	3
CYBR 305*	Ethical Hacking	3
CYBR 402*	Cybersecurity Capstone	3

Other Requirements

Successful completion of comprehensive examination which is incorporated into BUSA 440.

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Healthcare Administration and Management

Learning Outcomes

The successful student will be able to:

- Students will be able to demonstrate critical thinking skills with regards to a range of healthcare issues
- Students will be able to create and articulate clear plans for strategic change
- Students will be able to demonstrate robust quantitative decision-making skills
- Students will be able to describe and explain a wide range of concepts related to healthcare

Course and Credit Requirements

Core Curriculum: BA Requirements	45
<i>Note: BIOL112 must be taken as Tier 1 Science</i>	
Common Business Requirements	36
Concentration Requirements	39
Total (credits)	120

Concentration

BIOL 307	Medical Terminology	3
BUSA 350	Internship	3
CMIS 233	Healthcare Information Systems	3
HCAM 120*	Inside US Healthcare Policy	3
HCAM 200*	Healthcare, Justice, Law and Ethics	3
HCAM 306*	Data Driven Healthcare: Analytics, IT & AI	3
HCAM 311*	Healthcare Finance	3
HCAM 320*	Strategic Healthcare Operations	3
HCAM 439*	Healthcare Innovation: The Capstone Project	3

Free electives

Twelve credits of free electives	12
Recommended Free Electives:	
HPWE 101 Introduction to Health, Promotion and Wellness	3
HPWE 202 Strategies of Stress Management and Wellness	3
HSCS 101 Pop Culture and Health	3
HPWE 210 Intro to Health Care Professionals	3

Other Requirements

Successful completion of comprehensive examination which is incorporated into BUSA 440.

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Marketing**Learning Outcomes**

The successful student will be able to:

- Develop critical marketing knowledge
- Acquire specialized marketing skills
- Master marketing strategies and create marketing plans

Course and Credit Requirements

Core Curriculum: BA Requirements	45
Common Business Requirements	45
Concentration Requirements	30
Total (credits)	120

Concentration

MNMK 316	Digital Marketing	3
MNMK 317	Project Management	3
MNMK 405	Advertising & Promotion	3
MNMK 406	Consumer Behavior	3
MNMK 407	Principles of Marketing Research	3
MNMK 421	Sen Sem: Strategic Marketing	3
MNMK 425	Marketing Data and Analytics	3
BUSA 350	Internship	3

Free elective

Six credits of free electives

6

Other Requirements

Successful completion of comprehensive examination which is incorporated into BUSA 440.

Professional Sales and Marketing**Learning Outcomes**

The successful student will be able to:

- Apply the principles of relationship-driven selling to sales activities
- Choose the correct approach to manage sales teams
- Provide critical feedback about the selling practices of others

Course and Credit Requirements

Core Curriculum: BA Requirements	45
Common Business Requirements	45
Concentration Requirements	30
Total (credits)	120

Concentration

MNMK 405	Advertising & Promotion	3
MNMK 406	Consumer Behavior	3
MNMK 407	Principles of Marketing Research	3
MNMK 416*	Social Media Marketing	3
PSAM 101*	Relationship Driven Professional Sales	3
PSAM 201*	Negotiation in Business and Sales	3
PSAM 301*	Sales Leadership	3
PSAM 401*	Advanced Relationship Driven Professional Sales	3
BUSA 350	Internship	3

Free elective

Three credits of free electives

3

Other Requirements

Successful completion of comprehensive examination which is incorporated into BUSA 440.

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Sport Marketing-Management**Learning Outcomes**

The successful student will be able to:

- Analyze sport consumer markets by applying fundamental marketing principles and conceptual frameworks.
- Design effective sport-related events by utilizing sports management processes and concepts.
- Exhibit skills and attitudes needed for a professional position in a sport marketing management related field.

Course and Credit Requirements

Core Curriculum: BA Requirements	45
Common Business Requirements	45
Concentration Requirements	30
Total (Credits)	120

Concentration

BUSA 350	Internship	3
SPMM 200	Introduction to Sport Management	3
SPMM 220	Sales and Sales Management	3
SPMM 280	Sport Media & Content Production	3
SPMM 310	Economics of Sport	3
SPMM 320	Sport Marketing and Promotion	3
SPMM 420	Legal Issues in Sport	3
SPMM 430	Sport Facility and Event Management	3
SPMM 439	Senior Seminar in Sport Marketing-Management	3
SPMM 435	Sport Administration & Leadership	3

Other Requirements

Successful completion of the comprehensive examination which is incorporated into BUSA 440

Supply Chain Management**Learning Outcomes**

The successful student will be able to:

- Quantitatively forecast inventory needs and build a logistics plan to meet demand
- Critically assess the costs and logistical requirements of setting up a physical goods supply chain
- Use popular methodologies (such as six sigma) and common technologies to make and implement practical decisions
- Solve real-world supply chain management problems and clearly articulate end-to-end considerations for any proposed solution

Course and Credit Requirements

Core Curriculum: BA Requirements	45
Common Business Requirements	45
Concentration Requirements	30
Total (credits)	120

Concentration

SCMM 201*	Forecasting and Logistics	3
SCMM 202*	Sourcing and Operations	3
SCMM 301*	Supply Chain Management and Technology	3
SCMM 302*	Supply Chain in Action	3
SCMM 400*	Supply Chain Capstone	3
BUSA 350	Internship	3

Free elective

Twelve credits of free electives	12
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Other Requirements

Successful completion of comprehensive examination which is incorporated into BUSA 440.

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Five-Year BA/MBA Program

The School of Business and Technology offers a BA/MBA program that enables student to complete requirements for the degrees of Bachelor of Arts and Master of Business Administration in five years. Undergraduates seeking admission to the dual degree program must have a minimum overall GPA of 3.0 and are eligible to apply in the spring semester of the junior year. To apply for admission, candidates must submit the following materials to the Graduate Admissions Office:

- Completed Application to the Master of Business Administration Program

- A statement of professional goals
- Resume

Following review of all application materials, admission to the dual degree program will require the approval of the Graduate Program Director in the School of Business and Technology. Accepted students will be permitted to take no more than six graduate credits during the fall and/or spring semester of the senior year of undergraduate study. These six graduate credits will be charged at the undergraduate tuition rate. Students must take 12 undergraduate credits both of these semesters.

Specific graduate program requirements can be found in the Holy Family University Graduate Studies Catalog. Additional information can be provided by the student's Academic Advisor or by the Graduate Program Director.

Minors

Minor in Business Administration (18 credits)

The minor in Business Administration is intended for non-business major students* and introduces students to the business enterprise. The minor allows the student to get an overview of how business systems work. Grades of less than "C" in business related courses will not count toward the minor.

Course and Credit Requirements

BUSA 100	Introduction to Business	3
CMIS 220	Management Information Systems	3

Electives (Choose four from the following)

ACCT 205	Principles of Financial Accounting	3
ACCT 206	Principles of Managerial Accounting (Prerequisite: ACCT 205)	3
BUSA 320	Business Law	3
BUSI 416	International Business	3
FINC 301	Financial Management	3
	(Prerequisite or Co-requisite for FINC 301: ACCT 205)	
MNMK 250	Business Communications	3
MNMK 312	Principles of Marketing	3
MNMK 316	Digital Marketing (Prerequisite: MNMK 312)	3
MNMK 317	Business Project Management	3
MNMK 340	Managing People in Organizations (Prerequisite BUSA 100)	3
MNMK 352	Business Ethics	3
MNMK 400	Conflict Management and Negotiation	3

The selection of electives should be made in consultation with the BUSA advisor. The student should make sure the required prerequisites are met.

**Applied Computer Science majors in the School of Business and Technology are eligible for this minor.*

Minor in Business Analytics (18 credits)

The minor in Business Analytics introduces students to the storage, retrieval, and analysis of large amounts of data from disparate sources. The techniques are general, and thus, data can be from any discipline. This minor is for students who wish to supplement their content knowledge by providing a background in the extraction, storage and exploration of data in their area of study. Grades of less than "C" in business related courses will not count toward the minor.

Course and Credit Requirements

BUAN105*	Foundations of Data Analytics I	3
BUAN 205*	Foundations of Data Analytics II	3
BUAN 215*	Business Analytics I	3
BUAN 315*	Business Analytics II	3
CSCI 105*	Programming for Everyone I	3
CSCI 110*	Programming for Everyone II	3

The student should make sure the required prerequisites are met.

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Minor in Computer Information Systems (18 credits)

The minor in Computer Information Systems introduces students to the development and creation of systems to provide information. The areas covered are broad, yet central, and thus provide a strong background to cover most information systems. Grades of less than "C" in business related courses will not count toward the minor.

Course and Credit Requirements

Take six (6) courses from the following list:

CMIS 107	Introductory Programming	3
CMIS 205	Advanced Programming (Prerequisite CMIS 107)	3
CMIS 211	Internet Programming (Prerequisite CMIS 107)	3
CMIS 234	Human-Computer Interaction (Prerequisite CMIS 211)	3
CMIS 303	Networking	3
CMIS 307	Systems Analysis and Design	3
CMIS 308	Database Management	3
CMIS 412	Operating Systems	3
CMIS 418	Cyber Security	3

Minor in Cybersecurity Administration (18 credits)

The minor in Cybersecurity Administration is intended to build off of a strong liberal arts foundation, while providing students with the most relevant skills in Cybersecurity. This combination provides students with skills in critical thinking, problem-solving, effective communication, and project management along with additional technical skills required for success in the field. Grades of less than "C" in business related courses will not count toward the minor.

Course and Credit Requirements

CYBR 101*	Introduction to Cybersecurity	3
CYBR 201*	Cybercrime and Governance (Prerequisite of CYBR 101)	3
CYBR 200*	Network and Systems Security	3
CYBR 303*	The Future of Cybersecurity (Prerequisite CYBR 200)	3
CYBR 304*	Security Operations (Prerequisite CYBR 101, CYBR 200)	3
CYBR 305*	Ethical Hacking (Prerequisite CYBR 200)	3

The student should make sure the required prerequisites are met.

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Minor in Digital Marketing (18 credits)

The minor in Digital Marketing is intended to integrate with existing business and marketing curricula to provide students with the key skills most needed by marketing coordinators and managers in their day-to-day jobs. This program is intended to produce "growth hackers" that are able to design and implement campaigns that expand brand awareness and optimize for key return on investment metrics. Grades of less than "C" in business related courses will not count toward the minor.

Course and Credit Requirements

MNMK 312	Principles of Marketing	3
MNMK 316	Digital Marketing (Prerequisite MNMK 312)	3
MNMK 205*	Lifecycle and Email Marketing (Prerequisite MNMK 316)	3

MNMK 215*	Going Viral and Growth Hacking	3
MNMK 406	Consumer Behavior (Prerequisite of MNMK 312)	3
MNMK 416*	Social Media Marketing, Brand Awareness and Engagement	3

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School of Education

Contact Information

Eileen Burke Heddy, EdD, *Dean*

Patricia Joergensen, EdD, *Associate Dean*

Information about Holy Family University's Master and Doctoral Programs in Education is available in the Graduate Catalog.

Mission

The hallmark of students who complete a program of studies in the School of Education at Holy Family University is a love of learning, a passion that manifests itself in two ways. The first is a drive for both personal and professional growth, resulting in a mastery of content to be taught and the pedagogical skills needed to create effective classrooms. The second is an affirmation of the dignity of each human person. Students take the initiative to learn about others and the diverse viewpoints they contribute to society. Their passion for learning is rooted in their deep respect for students, parents and colleagues; a respect that prompts them to provide the kind of instruction that will maximize student achievement and challenge themselves and others to think deeply about their experiences and their learning. As a consequence, our graduates lead by example and model for their students and colleagues the intellectual and moral rigor that characterizes the very best of educators.

Undergraduate Degree Programs

Associate of Arts

- Early Childhood Education

Bachelor of Arts

- Education

Majors with Certification

- Pre K-4
- Pre K-4/Special Education Pre K-12
- Special Education Pre K-12

- *Arts & Sciences Majors with Certification in:*
- Art (PK-12)
- Biology (7-12)
- English (7-12)
- Social Studies (7-12)
- Mathematics (7-12)

Teacher Certification programs are available as post-baccalaureate certificate options as well as degree option. These include:

- PK-4
- Special Education PK=12
- Social Studies (7-12)
- Mathematics (7-12)
- Biology (7-12)
- English (7-12)

Minors

- Education (does not lead to teacher-certification)
- Secondary Education
- Secondary Education Practice

Degree Programs in the School of Education

Holy Family University's School of Education offers undergraduate degrees in education at the Associate of Arts and Bachelor of Arts level.

Learning Outcomes

The successful student will be able to:

- Commit to lifelong intellectual growth by demonstrating initiative as a learner and providing evidence of a vibrant intellectual life
- Apply University core values and ethical principles
- Collaborate with colleagues in professional education communities
- Demonstrate content knowledge in their field of study and the effective use of technology for learning and teaching
- Meet the standards of the profession and continually improve their performance of professional responsibilities
- Implement or facilitate constructivist teaching.

Dismissal Policy

Certification-seeking Status Review:

If the Director of Field Placement has concerns that a student will not be able to successfully complete field experience requirements the following steps will be taken:

1. The Field Director will notify the Certification Compliance Coordinator that a student case needs to be reviewed. The Field Director will submit the following to the Certification Compliance Coordinator:
 - a. a written summary of the reasons for concern;
 - b. any substantiating documentation.
 - c. The Certification Compliance Coordinator will:
 - i. notify the Chair of the SOE Certification Committee that a student case needs to be reviewed. A meeting of the committee will be held within one week of this notification.
 - ii. notify the student that his/her status will be reviewed by the Committee, provide the reason for the review along with the meeting date, and inform the student that he/she may submit additional information and/or documentation for the committee's consideration.
 - iii. This additional information may consist of:
 1. a letter written by the student and addressed to the Committee providing additional information and/or explaining any special circumstances;
 2. medical documentation;
 3. psychological reports;
 4. other relevant documentation.
 5. compile the student's application packet, relevant documentation and any additional documentation provided by the student into one pdf and send to Committee members one week prior to the Committee meeting.
2. Committee members will individually review the posted material prior to the Committee meeting.
3. During the Committee meeting, the members will discuss whether the student should be removed from the certification-track program. Based on the information contained in the submitted materials, the members will discuss whether the student is an appropriate candidate for field placement experiences. When the Committee Chair determines that a thorough discussion of the student's case has been conducted, the Chair will hold a vote through the following method:
 - a. The Certification Compliance Coordinator will distribute a paper voting form to each Committee member. Each form will contain the student's code number and the choices "Remove" and "Do not remove."
 - b. Committee members will mark their votes on the ballots and will return the ballots to the Certification Compliance Coordinator.
 - c. After all student cases on the meeting agenda have been heard and voted on, the Certification Compliance Coordinator will count the votes for each student and will announce the results to the Committee. A student's status in the certification program will be determined by majority vote. The results will be recorded in the minutes.
4. The Certification Compliance Coordinator will notify the student of the Committee's decision by preparing and sending an official letter to the student by email and US post. The student's advisor will be copied on the email if the student is removed from the certification-track program.

Appeals

Within the non-acceptance letter students will be notified that if they wish to appeal a decision they should follow the steps outlined under “Academic Disputes and Grade Challenges” in their academic catalog with the following qualifications:

1. The first step of the Appeal process is considered to have been completed during the SOE Certification Committee meeting.
2. The *Program Administrator/Department Chair* role specified in Step 2 will be performed by the Associate Dean.
3. No additional documentation with the exception of the student’s written statement may be submitted during the appeal.

Confidentiality

To help ensure impartial consideration of each student’s application student identities will be withheld from all voting members of the SOE Certification Committee through the following means:

- Redacting all names and references to the student’s sex, race, other physical characteristics and address from the documents presented to the committee for review.
- Assigning a code number for each student listed on the meeting agenda.
- Posting the student’s packet as a Google Drive document with restrictions such that Committee members can view it but cannot save it, share it or print it out. The Certification Compliance Coordinator will bring one copy of the redacted packet to the Committee meeting for reference as needed. The Certification Compliance Coordinator will remove Committee member access to each packet after each Committee meeting.
- If a Committee member does become aware of a student’s identity the member will not share that information with others.

Associate of Arts Degree Program in Education

Learning Outcomes

The successful student will be able to:

- Critically reflect on social and cultural aspects of education, demonstrating a process of reflection that links to personal decision making
- Analyze the interplay between the planning of a lesson, the execution of that lesson and the classroom environment in which that lesson takes place.
- Utilize knowledge about the range of development including specific learning and development needs.
- Know and understand the characteristics and diversity of children’s families and the communities in which they live and identify ways to involve families and communities in all aspects of children’s development and learning.

Course and Credit Requirements

Total Required Credits: 63

Core Curriculum: requirements

		42	
HFE 100	Blueprint 1 Prepare		1
HFE 200	Blueprint 2 Persist		1
HFE 300	Blueprint 3 Pursue		1
Tier 1	Writing course		3
Tier 1	Public Speaking		3
Tier 1	Philosophy course		3
Tier 1	Religion course		3
Tier 1	Lab Science course		3
Tier 2	PDE Math #1*		3
Tier 2	PDE Literature*		3
Tier 2	ECE 115 - Foundations of Education		3
Tier 2	any T2 course		6
Tier 3	any Tier 3 course		9

* These are the recommended Tier 2 courses for the A.A. Ed program as they meet requirements for PDE as well as Core requirements.

Concentration Requirements

Total Required Credits*:		21
Math course	Math course meeting PDE requirements	3
ECE 115	Foundations of Education	3
ECE 201	Introduction to Early Childhood Education	3
ECE 202	Child Development and Learning	3
ECE 203	Early Language and Literacy	3
ECE 205	Theory and Practice in Educational Psychology	3
ECE 206	Engaging Learners through the Arts	3
ESP 203	Inclusive Education for All Learners	3

**Field experience may be required.*

Students seeking to enter one of the School of Education Bachelor's degree programs following the completion of their AA degree, must have a 3.0 GPA to enter the teacher candidacy portion of their BA degree program.

Specializations

Students can use their T2 and T3 General Education courses toward a choice of specializations. The specializations are designed for students who wish to develop a greater depth of knowledge in a particular area that will aid them in the development of their careers as educators. Specializations by themselves do not qualify students for additional state-awarded certifications or endorsements. However, they are recorded on the students' transcripts, and the courses may be applied to future certifications or endorsements.

All students will be required to take the courses on the program/credit breakdown detailed above. Each specialization will not require any additional credits. To earn a specialization students will select at least two of the listed courses for their Tier 2 requirements and at least two of the listed courses for their Tier 3 requirements.

Specialization Areas

Leadership

Tier 2 Courses (Select at least two)

ECON-203	Economics Theory-Micro
PSYC-215	Indust'l & Org. Psych
PHIL-208	Business Ethics

Tier 3 Courses (Select at least two)

BUSA 299	Entrepreneurship
HFEX-375	Human Centered Leadership
HFEX-398	Special Topics (TBD)
HFEX-399	Special Topics (TBD)

Urban Education

Tier 2 Courses (Select at least two)

SOCO-101	Intro Sociology
SOCO-201	Social Problems
SOCO-212	Race, Class, Gender

Tier 3 Courses (Select at least two)

HFEX-372	Trauma and Resilience
HFEX-386	Restorative Justice & Public Art
HFEX-398	Special Topics (TBD)
HFEX-399	Special Topics (TBD)

Social-Emotional Behavioral Wellness

Tier 2 Courses (Select at least two)

PSYC-110	Intro to Psychology
PSYC-212	Psyc Health & Illness
SOCO-342	Loss & Grief

Tier 3 Courses (Select at least two)

EDUN -301	Collaboration with Families and EDUN -302	Foundations of Social & Emotional Learning
PSYC-357	Developmental Psychopathology	
HFEX-399	Special Topics (TBD)	

Infant/Toddler

Tier 2 Courses (Select at least two)

PSYC-110 Intro to Psychology
PSYC-204 Infant & Child Development
SOCO-101 Intro Sociology

Tier 3 Courses (Select at least two)

HHUM 201	Humanities and Healthcare
HFEX-376	Making Mindfulness
HFEX-398	Special Topics (TBD)
HFEX-399	Special Topics (TBD)

Bachelor of Arts Degree Programs in Education

General Requirements

Students who wish to enroll in the professional educator programs at Holy Family University are required to file an application and be formally admitted to the School of Education. All incoming students should schedule an appointment with the Certification Officer to discuss the admissions process during their first semester enrolled at Holy Family University.

Requirements for Admission to the Professional Educator Programs at Holy Family University (including transfer students):

- Completed a minimum of 48 semester credit hours of university-level coursework.
- A cumulative GPA of at least a 3.0.
- Completion of at least six semester credits in university-level Mathematics, with a minimum grade of “C” and at least three semester credits in university-level English Composition and three semester credits of approved Literature with a minimum grade of “C”.
- All Education courses completed with a minimum grade of “C”.
- Two faculty evaluation forms.

Students not formally admitted into the School of Education may not enroll in any Education courses required at the Junior or Senior level.

Additional Pennsylvania Department of Education Teacher Certification Requirements

Teacher Certification

Upon completion of a School of Education initial certification program, graduates who wish to apply for a Pennsylvania teaching certificate must have a 3.0 GPA and must complete the following:

- Acceptable certification tests scores as required by the Pennsylvania Department of Education for the desired certification area.
- Submission of a certification application through the Pennsylvania Department of Education’s Teacher Information Management System (TIMS).

Students should contact the School of Education Compliance and Certification Officer for more information on requirements for specific certificates.

Field Experience Requirements

Field experience is an important component of the University’s Education programs and is required at every level of study.

The Commonwealth of Pennsylvania mandates that pre-service teachers have the following five clearances on file with the University before entering schools for field observations or clinical experiences.

- PA Child Abuse Clearance (Act 151)
- PA Criminal History Background Check (Act 34)
- Federal Criminal History Record/Fingerprinting (Act 114)
- Tuberculosis (PPD) Test
- Arrest/Conviction Report and Certification Form (Act 24)

It is the student’s responsibility to maintain the originals of all clearances and to ensure that current copies of all clearances are uploaded to American Databank prior to entering a school site for field work.

Students are to carry their original clearances with them to the school site on the date of their first visit. School officials may request to review them. Students should maintain possession of originals. If necessary, school officials can make copies.

The normal progression of field experiences for students in the University's teacher preparation programs is (a) classroom observations, (b) one-day per week practicum, and (c) semester-long student teaching.

Observations

Many University courses have observation requirements associated with them. These courses are taken early in a student's program, prior to practicum and student teaching.

Students with observation requirements must maintain current clearances. See the School of Education webpage for clearance information.

Practicum

Practicum is a fourteen-week experience. Practicum students spend one full day a week in a classroom under the guidance of a cooperating teacher and University supervisor. Practicum is typically scheduled for Tuesday.

Students must complete and submit an application for practicum placement to the Field Placement Office.

Clearances must be current as of the first day that the student reports to a school site for practicum.

Professional Semester/Student Teaching

Upon satisfactory completion of the Junior-level Education courses, students are expected to apply for placement as student teachers and enter the professional semester. During the student teaching semester, students register for student teaching. Off-sequence sheet courses taken with student teaching require advisor approval.

Student teaching is a fourteen-week experience. Student teachers are assigned full-time to a classroom under the guidance of a cooperating teacher and University supervisor.

Students must complete and submit an application for student teaching placement to the Field Placement Office.

Application for Student Teaching

Applications for student teaching should be submitted in the Spring semester of the Junior year prior to the year of student teaching. Clearances must be current as of the first day that the student reports to a school site for student teaching.

Admission to student teaching requires that the student meet these requirements:

- Be formally admitted into the School of Education
- Obtain grades of B or better for both semesters of the Junior practicum and satisfactory reports from both field placement supervisors
- Demonstrate a disposition that is conducive to effective teaching (participation in support services provided by the Counseling Center or through the psychology staff may be required)
- Obtain a minimum grade of C in all Education course requirements and have an overall GPA of 2.8
- Obtain a minimum grade of C in the required University writing courses, Public Speaking course, core mathematics courses, and the approved literature course.
- Secondary Education students only: Obtain a minimum grade of C for all courses in the area of concentration and submit satisfactory recommendations by the school that represents the applicant's field of concentration.

The Field Placement Coordinator reviews applications for student teaching based on the above factors. Students are accepted and placed if they have met the above criteria. If students do not meet the above criteria, remedial activities may be required or the student may be excluded from completing the required student teaching course in their field.

Additional School of Education Graduation Requirements

In addition to fulfilling the Holy Family University BA degree requirements for graduation, Education students also must meet the following requirements:

- Passing score on the PDE-430 or the Comprehensive Exam
- Completion of the required course of study for the program

Post-Baccalaureate Teacher Certification

Students who already possess a bachelor's degree in an area other than Education and enroll in the University solely for the purpose of obtaining certification may do so provided that the applicant:

- Has met the requirements for admission into the professional educator program.
- Has submitted for evaluation official transcripts from all institutions previously attended.
- Agrees to undertake continuous registration for coursework and fieldwork until the requirements for the approved program have been met. Students must take a minimum of four courses at the University before student teaching.
- Completion of the approved program, not an accumulation of credit hours, is required for certification purposes.

Certification Options

Secondary Education

To receive Pennsylvania Secondary Education teacher certification, students must complete the teacher education requirements listed below. Secondary Education majors must meet with both their content area adviser and their education adviser when selecting their schedules.

Areas of Certification are: Art (K-12), Biology (7-12), English (7-12), Mathematics (7-12) and Social Studies (7-12).

General Teacher Education Requirements

Course and Credit Requirements

Field experience may be required.

EDSP 203	Foundations in Inclusive Education for All Learners	3
EDSP 206	Collaboration and Assessment	3
EDSP 304	Collaboration and Best Practices for All Learners	3
EDUC 205	Teaching Reading in the Content Area	3
EDUN 201	Educational Psychology	3
EDUN 303	Meeting the Needs of English language Learners	3
EDUN 315	Practicum I (Field Experience/Mentorship)	1
EDUN 316	Practicum II (Field Experience/Mentorship)	1
EDUN 320	Classroom Management	3
EDUN 331*	General Methods and Technology	3
EDUN 332*	Education Methods and Curriculum in the Content Area	3
EDUN 412	Student Teaching: Secondary Education	6
PSYC 204**	Infant and Child Development	3

**Not required for Art Education majors*

***Only required for Art (K-12) students*

Certification Area Specific Degree Requirements

Art Education (K-12 Certification)

Course and Credit Requirements

Total required credits: 131-133

Core Curriculum: BA Requirements 45

Studio Arts Requirements

ARTS 213	Art History I	3
ARTS 214	Art History II	3
ARTS 217	Sculpture I	3
ARTS 223	Two-Dimensional Design	3
ARTS 224	Three-Dimensional Design	3
ARTS 225	Drawing and Composition	3
ARTS 226	Drawing from the Model	3
ARTS 310	Elementary Arts Education	3
ARTS 311	Art in the Secondary School	3
ARTS 319	Painting I	3

ARTS 321	Ceramics	3
ARTS 323	Printmaking	3
ARTS 325	Seminar in Art History	3
ARTS 327	Advanced Studio III	3
ARTS 427	Research Seminar	3
ARTS 428	Research Seminar	3
Art Elective	Second Level Studio Course	3

* Art electives must include ARTS 323: Printmaking; ARTS 321: Ceramics; and a second level studio course.

PDE Requirements

ENGL	Approved Literature Course	3
MATH	Two (2) Approved Mathematics Courses	6-8
PHIL 303	Philosophy of Art	3
PSYC 213	Adolescent Development (Tier 2)	3

Other Requirements for Art Education

- Portfolio review
- Comprehensive exam in Education

Biology (7-12 certification)

Course and Credit Requirements

Total required credits: 131

Core Curriculum: BA Requirements* 45

Biology Requirements

BIOL 120, 121*	Biological Principles I, II	4, 4
BIOL 207, 208	Anatomy and Physiology I, II (with lab)	4, 4
BIOL 211/L	Cell Biology	4
BIOL 304	Principles of Genetics	3
BIOL 324	Inorganic, Organic and Cultural Evolution	3
BIOL 332	Ecology	3
Biology Elective at the 300/400 level		3
PHIL 205	Bioethics	3

Related Requirements

CHEM 120, 121	Chemistry Principles I, II (with lab)	4, 4
ENGL	Approved Literature Course	3
ENVS 101	Environmental Science	3
or		
GSCI 105	Living in the Environment	3
PHYS 104	Introduction to Physics	3
or		
GSCI 110	The Science of Physics (with lab)	3
MATH 210	Calculus for Biological Sciences	4
or		
MATH 211**	Calculus I	4
MATH 130	Elementary Statistics	3
PHIL 205	Bioethics	3

At least 9 credits in 200/300-level Biology coursework must be completed at Holy Family to meet degree requirements.

**May be taken as part of the core requirements

****PDE Requirements**

ENGL	Approved Literature Course (Tier 2)	3
MATH	Two (2) Approved Mathematics Courses (Tier 2)	
PSYC 213	Adolescent Development (Tier 2)	

Other Requirements for Biology with Certification in Secondary Education

Successful completion of a Biology written and oral comprehensive exam and an Education comprehensive exam.

English (7-12 certification)

Course and Credit Requirements

Total required credits: 122 - 124

Core Curriculum: BA Requirements* 45

English Requirements: 27

ENGL 228	Non-Western Literature	3
ENGL 225	American Literature	3
ENGL 220	British Literature	3
ENGL 207	Introduction to Literary Study	3
ENGL 209	Creative Writing	3
ENGL 240	Diversifying the High School Canon	3
ENGL 340	Writing Pedagogy and Practice	3
ENGL 410	Advanced Writing Workshop	3
ENGL 425	Scholarly Research Seminar	3

Four English elective credits (12) to be distributed the following way: 12

- One 200 level English Electives: Choose from among 200-level literature courses 3
- One 300 level English Electives: Choose from among 300-level English courses 3
- One 400 English Electives: Choose from among 400-level English courses 3
- One 300 or 400 English Elective: 3

*** Minimum grade of C for all English requirements*

**PDE Related Requirements

ENGL	Approved Literature Course (Tier 2)	3
MATH	Two (2) Approved Mathematics Courses (Tier 2)	6
PSYC 213	Adolescent Development (Tier 2)	1

Other Requirements for English Education

- Successful completion of a comprehensive exam in English and in Education.

History/Social Studies (Social Studies 7-12 Certification)

Course and Credit Requirements

Total required credits: 128-130

Core Curriculum: BA Requirements* 45

History/Social Studies Requirements

ECON 203 or 204	Economic Theory-Micro or Economic Theory-Macro	3
HIST 108	Gladiators, Gods, Greeks--Ancient History	3
HIST 109	Medieval History from Samurai to Viking	3
HIST 203	Slavery, Liberty, & War: America to 1820	3
HIST 204	Conflict & Conquest: America 1820--1920	3
HIST 205	Becoming a Superpower: US Since 1920	3
HIST 208	Age of Empire: Modern World History	3
HIST 315	History of Pennsylvania	3
HIST 351	History Seminar I	3
HIST 405	The World since 1945	3
HIST 451	History Seminar II	3

Three (3) History electives** 9

POLS 204	American National Government	3
POLS 210	Introduction to International Relations	3
or		

HIST 428	Cooperative Education I	3
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**** At least one course must be a non-western history course.**

RelatedPDE Requirements**

ENGL	Approved Literature Course (Tier 3)	3
MATH	Two (2) Approved Mathematics Courses (Tier 2)	6-8
SOCO 212	Race, Class, Gender (Tier 2)	3
GEOG 205	Principles of Geography (Tier 2)	3
PSYC 213	Adolescent Development (Tier 2)	3

Other Requirements for History/Social Studies with Certification in Social Studies Secondary Education

Successful completion of the comprehensive examination in History/Social Studies

Mathematics (7-12 certification)

Course and Credit Requirements

Total required credits: 127-129

Core Curriculum: 45 (BA Requirements*)

Mathematics Requirements

MATH 210**	Calculus for Biological Sciences	4
or		
MATH 211**, 212, 213	Calculus I, II, III	4, 4, 4
MATH 220	Linear Algebra with Applications	4
MATH 250	Discrete Mathematics	3
MATH 303	Modern Geometry	3
MATH 308	Probability	3
MATH 316	Modern Algebra I	3
MATH 327	Junior Seminar: History of Mathematics	3
MATH 403	Advanced Calculus	3
MATH 435	Senior Problem-Solving Seminar	3

Plus, one course from MATH 221 or the 300 or 400 level MATH offerings

****PDE Related Requirements**

ENGL	Approved Literature Course (Tier 2)	3
MATH	Two (2) Approved Mathematics Courses	6
PSYC 213	Adolescent Development (Tier 2)	3

Other Requirements

CMIS 107	Structured Programming	3
PHIL 202	Logic	3
PHYS 201	General Physics I (with lab)	4

At least 9 credits in 200/300-level Mathematics coursework must be completed at Holy Family to meet degree requirements.

**** May be taken as part of the core requirements**

Other Requirements for Mathematics with Certification in Secondary Education

- Successful completion of a Mathematics written and oral components of comprehensive exam and an Education comprehensive examination.

See School of Arts and Sciences for course requirements and School of Education for teaching certification options.

PreK-4 Requirements

Course and Credit Requirements

Total Required Credits: 122

Core Curriculum: BA requirements

45

Concentration Requirements*Field experience may be required.*

EDEC 115	Foundations of Education	3
EDEC 201	Introduction to Early Childhood Education	3
EDEC 202	Child Development and Learning	3
EDEC 203	Early Language and Literacy	3
EDEC 205	Theory and Practice in Educational Psychology	3
EDEC 206	Engaging Learners through the Arts	3
EDEC 301	Literacy Assessment and Instruction	3
EDEC 302	Science and the Young Child	3
EDEC 303	Mathematics Theory and Instruction	3
EDEC 304	Social Studies and the Young Child	3
EDEC 310	Language Arts Theory and Instruction	3
EDEC 311	Theory and Practicum I	1
EDEC 312	Theory and Practicum II	1
EDEC 401	Student Teaching PreK-4	12
EDSP 308	Positive Management Strategies in Special Education	3
EDSP 408	Family and Consultative Models	3
EDSP 410	Secondary School Transition: Process and Issues	3 (not a requirement for straight PK4)

PDE Related Education Requirements

EDUN 303	Meeting the Needs of English Language Learners	3
EDSP 203	Inclusive Education for All Learners	3
EDSP 206	Collaboration and Assessment	3
EDSP 304	Collaboration and Best Practices	3

PDE Related Requirements

ENGL	Approved Literature Course (Tier 2)	3
MATH	Two (2) Approved Mathematics Courses	

Free Electives

Elective courses (credits)	9
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Other Requirements

Successful completion of the School of Education comprehensive examination

ECE (Early Childhood Education) Pathway PreK-4

This program affords working professionals in the **Early Childhood Education** (ECE) field the opportunity to complete their undergraduate degrees in education while maintaining their daytime employment.

Courses are held in an eight-week blended format. Students complete the program as part of a cohort.

The ECE Pathway delivery format is available for students seeking a Bachelor's degree in a single certification (PK-4 or Special Education PK-12) or a dual certification (PK-4/Special Education PK-12).

Applicants must meet requirements as specified by PDE and have completed an Associate in Arts (AA) degree in CCP's Birth-4th Grade Program or BCCC's PreK-4 Early Education Program or hold an AA degree and have taken the required 200-level education degree requirements. Students must also meet the requirements for entry into the School of Education stipulated for all pre-service teachers. These requirements comprise completion of 48 credits, which includes two college mathematics courses, an approved literature course and an English composition course. Students must submit two faculty evaluations using the Holy Family University Faculty Evaluation forms and have up-to-date clearances. This material must be submitted to the Compliance/Certification Officer in HFU's School of Education. A student must graduate with 122 credits for the degree. Depending on the number of credits that a transfer student brings into Holy Family, the student may need to take additional coursework at Holy Family University to meet the 122-credit degree threshold for the ECE Pathway PreK-4 degree.

ECE Pathway PreK-4 Requirements**Course and Credit Requirements**

Total required credits: 122 - 124
Core Curriculum: BA requirements*

Concentration Requirements*Field experience may be required.*

ECE 115*	Foundations of Education	3
ECE 201*	Introduction to Early Childhood Education	3
ECE 202*	Child Development and Learning	3
ECE 203*	Early Language and Literacy	3
ECE 205*	Theory and Practice in Educational Psychology	3
ECE 206*	Engaging Learners through the Arts	3
ECE 301	Literacy Assessment and Instruction	3
ECE 302	Science Theory and Instruction	3
ECE 303	Mathematics Theory and Instruction	3
ECE 304	Social Studies Theory and Instruction	3
ECE 310	Language Arts Theory and Instruction	3
EDEC 311	Theory and Practicum I	1
EDEC 312	Theory and Practicum II	1
EDEC 401	Student Teaching	12
ESP 308	Positive Management Strategies in Special Education	3
EDSP 408	Family and Consultative Models	3

PDE Related Education Requirements

EDU 303	Meeting the Needs of English Language Learners	3
ESP 203*	Inclusive Education for All Learners	3
ESP 206	Collaboration and Assessment	3
ESP 304	Collaboration and Best Practices	3

PDE Related Requirements

ENGL/ENG	Approved Literature Course (Tier 2)	3
MATH/MAT	Two (2) Approved Mathematics Courses	

*Students who completed an Associate in Arts (AA) degree in CCP's Birth-4th Grade Program or BCCC's PreK-4 Early Education Program completed equivalents to these courses as part of their Associate in Arts degree program.

Free Electives

Elective courses (credits)	9
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Other Requirements

Successful completion of the School of Education comprehensive examination

PreK-4/Special Education K-12 Requirements**Course and Credit Requirements**

Total Required Credits: 125	
Core Curriculum: BA requirements	45

Concentration Requirements*Field experience may be required.*

EDEC 115	Foundations of Education	3
EDEC 201	Introduction to Early Childhood Education	3
EDEC 202	Child Development and Learning	3
EDEC 203	Early Language and Literacy	3
EDEC 205	Theory and Practice in Educational Psychology	3
EDEC 206	Engaging Learners through the Arts	3
EDEC 301	Literacy Assessment and Instruction	3
EDEC 302	Science and the Young Child	3
EDEC 303	Mathematics Theory and Instruction	3
EDEC 304	Social Studies and the Young Child	3
EDEC 310	Language Arts Theory and Instruction	3
EDEC 311	Theory and Practicum I	1
EDEC 312	Theory and Practicum II	1
EDSP 308	Positive Management Strategies in Special Education	3
EDSP 405	Enhancing Communication and Literacy through Technology	3

EDSP 406	Student Teaching SPED/PreK-4	12
EDSP 407	Assessment and Instructional Design in Special Education	3
EDSP 408	Family and Consultative Models	3
EDSP 409	Including Students with Significant Support Needs	3
EDSP 410	Secondary School Transition: Process and Issues	3

PDE Related Education Requirements

EDUN 303	Meeting the Needs of English Language Learners	3
EDSP 203*	Inclusive Education for All Learners	3
EDSP 206	Collaboration and Assessment	3
EDSP 304	Collaboration and Best Practices	3

PDE Related Requirements

ENGL	Approved Literature Course (Tier 2)	3
MATH	Two (2) Approved Mathematics Courses	

Other Requirements

Successful completion of the School of Education comprehensive examination

Special Education PreK-12 Requirements

Course and Credit Requirements

Total Required Credits: 122

Core Curriculum: BA requirements 45

Concentration Requirements

Field experience may be required.

EDEC 115	Foundations of Education	3
EDEC 202	Child Development and Learning	3
EDEC 205	Theory and Practice in Educational Psychology	3
EDEC 206	Engaging Learners through the Arts	3
EDEC 303	Mathematics Theory and Instruction	3
EDEC 310	Language Arts Theory and Instruction	3
EDSP 308	Positive Management Strategies in Special Education	3
EDSP 350	Theory and Special Education Practicum I	1
EDSP 351	Theory and Special Education Practicum II	1
EDSP 405	Enhancing Communication and Literacy through Technology	3
EDSP 406	Student Teaching SPED/Pre K-4	12
EDSP 420	Assessment and Instructional Design in Special Education	3
EDSP 408	Family and Consultative Models	3
EDSP 409	Including Students with Significant Support Needs	3
EDSP 410	Secondary School Transition: Process and Issues	3

PDE Related Education Requirements

EDUN 303	Meeting the Needs of English Language Learners	3
EDSP 203*	Inclusive Education for All Learners	3
EDSP 206	Collaboration and Assessment	3
EDSP 304	Collaboration and Best Practices	3

PDE Related Requirements

ENGL	Approved Literature Course (Tier 2)	3
MATH	Two (2) Approved Mathematics Courses	

Other Requirements

Successful completion of the School of Education comprehensive examination

4+1 program: Bachelor of Arts/Master of Education Degree with Pennsylvania Certification, Level I in Secondary Education (7-12)

The School of Education offers a BA/MEd program that enables Holy Family undergraduate students to earn a Master of Education in Secondary Education in 5 years. Available secondary education subject areas are Biology, English, Math and Social Studies. Undergraduates seeking admission to the dual degree program must have a

minimum overall GPA of 3.0 or higher for courses taken at Holy Family and are eligible to apply in their junior year. Students who might be interested in this program include students from Biology, English, Math and History.

Admission Requirements

- You must complete the program application.
- You must maintain a 3.0 or higher GPA in your major to be admitted into the program
- Once you are conditionally accepted, you will be advised on the courses to take in your senior year by your faculty advisor and the graduate program director.
- You must take the number of courses required for the specified program while an undergraduate (three courses for the 4+1 program).
- You must maintain the appropriate GPA and earn a grade of "B" or better in your graduate courses to matriculate into the master's degree program after completion of your undergraduate degree.

Specific Admission Requirements

In addition to the general admission requirements previously outlined, at the end of their senior year applicants must be formally accepted into for School of Education by meeting the following requirements:

- Successful completion of at least six semester credit hours of graduate-level courses taken at Holy Family University
- A formal admissions application
- Two faculty evaluations
- Cumulative GPA of at least a 3.0.

4+1 program: Bachelor of Arts

Students in the 4+1 program complete one undergraduate course and two graduate courses during their senior (fourth) year, all of which may count toward full time credit requirements for the undergraduate program. You will matriculate into your master's degree program upon graduation from your undergraduate program and are required to take two summer courses plus a practicum after your senior year and the remaining courses and field experiences in your fifth year.

Accepted students will be permitted to take no more than six credits of graduate course work during the senior year of undergraduate study. These six graduate credits will be charged at the undergraduate tuition rate.

Timeline

Sophomore year

- Meet with your faculty advisor to discuss your interest in the combined bachelor's/master's program.

Junior year

- Connect with a graduate admissions counselor to discuss your interest in the combined bachelor's/master's program.
- Participate in an information session during a fall/spring semester.
- Apply to the combined bachelor's/master's program.

Senior year

- Take prescribed undergraduate and graduate courses (one undergrad and two graduate courses for the 4+1 program).
- Complete your bachelor's degree in your chosen major.
- Applicants are strongly encouraged to take the Praxis certification test in their intended certification area during their senior year.

Fifth year

- Complete your remaining graduate courses and field experiences.

Minors

Minor in Education (18 credits)

The minor in Education is designed to provide students who are not seeking teacher certification the opportunity to explore the field of education through the study of educational theory and practice. The Education minor is comprised of foundational courses that introduce students to fundamental issues and variables relevant to a wide variety of educational environments. The minor provides students with opportunities to pursue their professional aspirations, explore areas of personal interest, prepare for graduate study in education-related fields, and prepare for the roles of informed parents and citizens. The Education minor does not lead to teacher certification. The minor consists of 18 credits, including three required courses (9 credits) and three elective courses (9 credits). Minimum grade of "C" in each course is required. No more than 6 transfer credits will be accepted for the minor.

Course and Credit Requirements

Required Courses (9 credits)

*EDEC 115	Foundations of Education	3
*EDSP 203	Foundations in Inclusive Education for All Learners	3
*EDUN 201	Educational Psychology	3
or		
*EDEC 205	Theory and Practice in Educational Psychology	3

Elective Courses	9
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Select three courses from the following list in consultation with an advisor:

EDEC 201	Introduction to Early Childhood Education	3
*EDEC 202	Child Development & Learning	3
EDEC 203	Early Language & Literacy	3
EDEC 206	Engaging Learners through the Arts	3
EDUC 205	Teaching Reading in the Content Areas	3

** Requires embedded field work or observations for which clearances are required. A child abuse or criminal record may prevent you from participating in field work or observations. Please contact the School of Education Certification Officer and Field Placement Assistant for specific clearance requirements.*

Note: Courses cannot be used to fulfill both major and minor requirements.

Minor in Secondary Education (18 credits)

This minor in Secondary Education is designed to provide students the opportunity to explore the field of education through the study of educational theory and practice. The Education minor is comprised of foundational courses that introduce students to fundamental issues and variables relevant to a wide variety of educational environments. The minor provides students with opportunities to pursue their professional aspirations, explore areas of personal interest, prepare for graduate study in education-related fields, and prepare for the roles of informed parents and citizens. The Secondary Education minor in itself is not sufficient for teacher certification.

Course and Credit Requirements

*EDEC 115	Foundations of Education	3
*EDSP 203	Foundations in Inclusive Ed	3
EDUN 201	Educational Psychology	3
EDUC 205	Reading in the Content Area	3
EDSP 206	Collaboration & Assessment	3
*PSYC 213	Adolescent Development	3

*Also counts as a Tier II course

Specific Admissions Requirements

No specific admission requirements beyond the regular Holy Family University admission requirements.

Minor in Secondary Education Practice (18 credits)

The minor in Secondary Education Practice is designed to provide students the opportunity to deepen their understanding of educational theory and practices. The Education minor is comprised of upper-level pre-professional courses that allow students to gain knowledge and experience in 7-12 grade classrooms. Minimum grade of "C" in each course is required.

To complete all of the required courses and experiences for teacher certification students must also complete the *Minor in Secondary Education* or its equivalent (if transferring in credits).

Course and Credit Requirements

EDSP 304	Collaboration & Best Practices	3
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*EDUN 303	Meeting Needs ELL	3
EDUN 320	Classroom Management	3
*EDUN 331	Secondary Methods and Technology	3
*EDUN 332	Secondary Methods in Content Area	3
*EDUN 315	Practicum I	1
*EDUN 316	Practicum II	1
*EDUN 420	Teaching Internship Seminar	1

in addition, students will take

*EDUN 421-Teaching Internship (6) as one of their Tier III courses

*Requires embedded field work or observations for which clearances are required.

Specific Admissions Requirements

1. Students must have completed or currently be enrolled in the *Minor in Secondary Education*
2. Students must be formally accepted into the School of Education. Requirements for School of Education acceptance are on the [School of Education Admissions Requirements](#) webpage.

School of Nursing

Contact Information

Jinsy Mathew, DNP, MSN-Ed, RN, *Dean, Professor*

Mai-ly Pulley DNP, MSN, RN, *Vice Dean, Undergraduate BSN Programs, Associate Professor*

Michelle Murphy Rozanski PhD, MSN, RN, CRNP-FNP, FCPP, *Nurse Aide Program Coordinator, Professor*

Denise McFadden DNP, MSN-Ed, RNC-MNN, *BSN Program Lead, Assistant Professor*

Kimberly Callahan MSN, RN, *Traditional Program Coordinator*

Matthew Wolf, MSN, RN, *Second Degree FT/PTEW Program Coordinator*

Rinu Stephen, BSN, MSN, DNP, *Second Degree Distance-Hybrid Program Coordinator and Graduate Lead, Assistant Professor*

Information about Holy Family University's Master and Doctoral Programs in Nursing is available in the Graduate Catalog.

Mission

To educate students within the University environment, at the graduate and undergraduate levels, to assume a professional role in the delivery of high-quality care in nursing, radiologic science, and health promotion and wellness, and to cultivate a sense of responsibility to be actively involved in service to the human family.

Undergraduate Degree Programs

Bachelor of Science

- Nursing (Traditional BSN Track)
- Nursing (2nd Degree BSN Fast Track Day)
- Nursing (2nd Degree BSN Evenings/Weekends Track)
- Nursing (2nd Degree Distance Hybrid BSN Track)

Certification programs

- Nurse Aide Training Program at Holy Family University
- Essentials in Elementary Perioperative Nursing Practice

Bachelor of Science in Nursing

Accreditation

The Bachelor's degree program in nursing at Holy Family University is accredited by the Commission on Collegiate Nursing Education (<http://www.ccnaccreditation.org>).

Goals

- To provide a nursing curriculum that is designed to meet global health care needs
- To prepare students to practice as a professional nurse generalist
- To educate students to provide high quality nursing care to diverse populations
- To provide a foundation for graduate study.

Learning Outcomes

The successful student will be able to:

- Communicate effectively with all members of the health care team to promote health across the lifespan and to facilitate safe patient-centered transitions of care.
- Employ critical thinking behaviors and clinical judgment to optimize patient-centered outcomes.
- Incorporate cultural humility in the delivery and management of safe patient care.
- Implement evidence-based nursing practice in the delivery and management of health across the lifespan.
- Utilize leadership skills to promote quality patient-centered care and achieve organizational outcomes.
- Assume responsibility and accountability for personal and professional behavior, ethical practice, and patient advocacy, especially for vulnerable populations.
- Evaluate the impact of current and emerging technologies on the delivery of safe and quality health care.
- Analyze health care issues at the local, state, national, and global levels from a nursing perspective.

Admission, Progression, and Graduation Policies

Traditional BSN Admission Policies

Criteria

For pre-Nursing majors, academic performance will be reviewed at the end of the third semester. Approval for a change of concentration requires:

- Overall Holy Family GPA is at least 3.0
- Complete all prerequisite courses with a minimum grade of "C"
- Successful completion of core science course (minimum grade of "C")
- Successful completion of at least one concentration-related science course with minimum of one C (BIOL 206, BIOL 207, or BIOL 208)
- Successful completion of core mathematics course (minimum grade of "C")
- Science and Mathematics GPA at least 2.75 (courses included in this GPA are BIOL 206, BIOL 207, BIOL 208, core science course, core math course) with a minimum grade of no less than one "C".
- No more than one original grade of "C" is permitted in the Science and Math courses.
- No more than one repeat in any of the above prerequisite (Science and Math) courses due to a grade of "C" or less

Additional Criteria for Transfer students

- Transfer students must have a minimum transfer GPA of at least 3.0 for admission. If transfer students have completed all required science and math courses, they must have a math and science GPA of 2.75 or higher (courses included in this GPA are BIOL 206, BIOL 207, BIOL 208, core science course, core math course) with a minimum grade of no less than one "C".
- No more than one original grade of "C" is permitted in the Science and Math courses.
- No more than one repeat in any of the above prerequisite (Science and Math) courses due to a grade of "C" or less.

No nursing courses will be transferred in. A letter of good standing must be submitted to the Dean if transferring from another nursing school.

Criteria for Validation for Entrance to BSN program, second semester sophomore year (200 level)

To be eligible to enter the 200 level Nursing courses students must:

- Complete all prerequisite courses with a minimum grade of "C".
- Students are required to take a 234-pathway to progress course.
- Achieve a minimum overall Holy Family University GPA of 3.0
- Have a science/math GPA of at least 2.75 (courses included in this GPA are BIOL 206, BIOL 207, BIOL 208, core science course, core math course) with a minimum grade of no less than one "C".
- No more than one repeat in any of the above prerequisite (Science and Math) courses due to a grade of "C" or less

Students who are not validated for acceptance to 200 level courses due to GPA have one additional semester to meet the requirements for validation. Science and Math courses are not included with this.

To be eligible to enter 300 level Nursing courses students must:

- Successfully complete all 300 level prerequisite courses with a minimum grade of "C+"
- Complete all clearances and health information through American Data Bank
(see 15.2.2 BSN Clinical Credentials Policy, 15.2.2.2 BSN Procedure for Clearances)

Admission Criteria for Internal Change of Concentration

Criteria for internal applicants to be considered for a change of concentration to Nursing are listed below. Approval for a change of concentration is contingent upon the applicant's qualifications and space availability in the program. For the student who has only attended Holy Family:

- Overall Holy Family GPA is at least 3.0
- Has completed a core Science course (minimum grade of "C")
- Has completed at least one concentration-related Science course. One course must be BIOL 207 (minimum grade of "C")
- Has completed core Mathematics course (minimum grade of "C")
- Has completed Science/Math/English course grade of C or above.

- Science and Math GPA at least 2.75 (Courses included in calculation: BIOL 206, 207, 208, core Science course, core Math course).
- If the student transferred to Holy Family and began study in another concentration, the overall GPA at the originating institution must be at least 3.0.

No more than one repeat in any of the above prerequisite courses due to a grade of "C" or less. Syllabus of prerequisite courses may be requested for review. Only credits applicable to the program of study will be considered for transfer. Prerequisite courses over 10 years may be accepted and subject to review.

Graduation Requirements

To graduate from the Nursing program, a student must:

- Successfully complete all degree requirements.
- Pass a comprehensive examination in accordance with the BSN Handbook
- Complete a graduation application.

Dismissal Policy

Dismissal from the Nursing program occurs when the student:

- Fails two nursing courses.
- Fails any required course for the second time.
- Withdraws from a nursing course being repeated due to a past failure of withdrawal of the same course.
- Demonstrates behavior incongruent with University's mission and core values.
- Fails to demonstrate safe clinical practice.
- Fails to demonstrate professional behavior (8A.15.2.4.2)
- Is verbally, physically, sexually, or emotionally abusive to peers, faculty, staff, patients, patients' families, or other hospital staff.
- Fails to notify the Nursing Program of any changes to criminal or child abuse background with 48 hours.
- Fails to report to clinical/lab/simulation without prior notification to the instructor or course coordinator more than one (1) time in a clinical semester may be subject to program dismissal.
- Commits any act classified as harassment or violated any part of Title IX
- Fails to meet policies for clinical compliance and health regulation.
- Does not have a clear state criminal background, child abuse background, or FBI background check.
- Does not have a clear drug screen.
- Does not have a valid State ID/Driver's license as address proof in the Second degree Distance program.
- Please refer to the BSN Handbook-Student Policy Manual for the appeal process due to dismissal from the program.

Licensure and Clinical Policies for all BSN Students

Qualification for Licensure

Graduates of the BSN Nursing program are eligible for licensure in all states in the United States. Satisfactory performance in the National Council Licensure Examination for Registered Nurses (NCLEX-RN), as prescribed by the respective state, results in the designation of registered nurse (RN). A registered nurse is entitled to licensure by endorsement in other states.

Clinical Policies

Clinical, lab, and simulation will be identified as "clinical."

Entrance into a clinical course is contingent upon the number of clinical spaces for students and the availability of appropriate clinical sites and clinical faculty.

- Students may not request a specific clinical placement.
- Students are responsible for their own transportation to any clinical site. Clinical sites are within a 75-mile radius of the Northeast Philadelphia Campus of Holy Family University for the ground tracks.
- Students must wear the required clinical uniform purchased from Holy Family University bookstore and must adhere to the clinical uniform policy.
- Students must complete all clinical compliances by the designated dates in order to be eligible to attend clinical.
- Students who do not demonstrate safe clinical practice are subject to immediate dismissal from the program. Safe clinical practice is defined by:
 - Course objectives
 - Professional behavior and safety criteria for nursing students
 - Clinical conduct and compliance policies

- ANA scope and standards of practice
- Nursing's Social Policy Statement
- Code of Ethics for Nurses
- The Professional Nurse Practice Act of the Commonwealth of Pennsylvania
- Clinical rotations may be scheduled Sunday through Saturday
- Clinical hours vary by course and program and may be scheduled for 6, 8 or 12 hours
- The hours are based on the clinical agency and faculty availability
- Students may not enroll in evening classes on clinical days unless the specific time for their clinical experience can be guaranteed to be completed by 3:00 p.m.

Clinical Compliance and Health Regulations

Students in the BSN program have a responsibility to maintain high standards of health practice since they have direct contact with individuals who suffer a variety of illnesses. Clinical compliance policies and health regulations required of students in the clinical setting are determined, in part, by the agencies the students visit and the State Board of Nursing and cannot be waived or changed.

In order to participate in Holy Family University School of Nursing's clinical experiences, all clearances must be completed as specified in the BSN Handbook.

Failure to submit the appropriate compliance documentation into American Data Bank (ADB) (all documents must be visible and in the appropriate location) by the dates specified in the BSN Handbook will result in the student's being administratively withdrawn from the clinical course. No compliance is allowed to expire during a clinical rotation. Students will not be placed on a clinical roster unless they are able to prove that they are in compliance for the entire semester while at the clinical agency.

Performance Standards required for Nursing Students

The University has a wide range of support services to assist students to be successful in their college endeavor. Please refer to the University Undergraduate Catalog for available student resources. Nursing students have additional resources to facilitate student success. Open Practice sessions are available in the Nursing Laboratory for students who need additional practice with skills.

Speak to your advisor to determine what resources you can access to best meet your needs. Your advisor is available throughout the academic year. During summer months, Nursing administrators are available for advising.

Performance Standards for Admission and Graduation

The curriculum in the Holy Family University School of Nursing requires students to practice essential nursing skills and functions, which are necessary according to the standards of nursing practice. This includes cognitive, affective, psychomotor, physical and social skills. It is essential that students need to perform skills in order to ensure the health and safety of patients. Students must be able to meet these minimum performance standards with or without reasonable accommodation for successful completion of degree requirements.

- Ability to see, hear (i.e., monitor alarms and auscultatory sounds), touch, smell, and distinguish colors. (Auditory and visual acuity must be corrected to within normal limits as measured by standard tests.)
- Oral and writing ability with accuracy, clarity and efficiency (i.e., explain treatments, do health teaching, or give a report to a colleague).
- Manual dexterity, gross and fine movements (i.e., physical assessment, medication administration).
- Ability to learn, think critically, analyze, assess, solve problems, and reach judgment.
- Emotional stability and ability to accept responsibility and accountability.

Holy Family University serves a variety of learning styles and needs and is committed to accessibility. If you anticipate or experience any obstacles in this course, you may contact the Office of Accessibility Services for assistance (contact information below).

In accordance with the Americans with Disabilities Act of 1990 (ADA) and Section 504 of the Rehabilitation Act of 1973, Holy Family University's Office of Accessibility Services provides reasonable accommodations to qualified students with a disability (physical, psychological, learning, ADHD, chronic health-related, etc.). Please note that accommodation plans will not be retroactively implemented. More details regarding policy can be found in the Student Handbook.

The Office of Accessibility Services is located in Library, 1st floor. If you have questions regarding accessibility services, please contact the office by calling 267-341-3388 or by emailing accessibilityservices@holyfamily.edu

All accommodations including, classroom and testing cannot be provided by the instructor without a letter of authorization from the Office of Accessibility Services

Essential Competencies

Introduction

Nursing education involves diverse and complex experiences directed at meeting program objectives designed to prepare students for professional nursing practice. The following essential competencies are expected from students for admission, progression, and graduation from the BSN program. These are necessary to ensure the health and safety of patients, fellow students, faculty and other health care providers.

These standards have been developed so that students will have concrete information about the requirements of the BSN program. It is the responsibility of the student to determine requirements for employment following completion of the program.

A student in the BSN program must be able, with or without reasonable accommodation, to meet the following competency standards:

Competencies regarding comprehension

The Nursing student must be able to integrate, analyze, and synthesize information received through observation and communication in a consistent and accurate manner. Students who are unable to meet these competencies may be dismissed from the BSN program. This includes, but is not limited to the ability to:

- interpret body language of patients
- discern colors of wounds and body fluid drainage
- assess client condition through observation
- perform assessments based on hearing, including the detected audible alarms used to monitor patient status or to alert staff to patient needs
- evaluate patient responses to treatment, and determine appropriate action in response
- perceive pain, pressure, temperature, position, vibration, and movement to gather significant information needed to assess client condition
- use touch to determine unsafe levels of heat or cold in devices used in patient care

Competencies regarding communication

The Nursing student must be able to effectively communicate. This includes, but is not limited to the ability to:

- effectively communicate with patients
- effectively communicate with healthcare team members
- read, write, understand and speak the English language
- maintain accurate patient records
- present information in a professional, logical manner
- interpret characters and words on various electronic screens
- accurately prepare medication doses

Clinical competencies

The Nursing student must be able to perform effectively in all aspects of clinical activity, including but not limited to the following:

- Ability to perform gross and fine motor movements with adequate coordination to perform physical examination, diagnostic procedures.
- respond promptly to urgent situations that may occur during clinical activities
- gather, synthesize, and prioritize data leading to developing a plan of action
- participate in professional interactions with the healthcare team
- Ability to assist with patient care activities such as lifting, wheel chair guidance, and mobility.
- Ability of manual dexterity such as drawing up solutions in a syringe.
- Ability to stand, walk, sit, bend, stoop, reach
- Ability to perform psychomotor skills reasonably needed to perform or assist with procedures, medication administration, management and operation of diagnostic and therapeutic medical equipment
- assist with patient movement and transfer
- meet the demands associated with extended periods of sitting, standing, moving, and physical exertion required for safe performance in clinical and classroom settings
- perform cardio-pulmonary resuscitation (CPR) as necessary

With respect to every aspect of the Nursing student's performance, the student must be able to:

- effectively function under stress

- effectively maintain emotional skills to remain calm in emergency situations
- effectively function in an environment with multiple distractions, interruptions and unexpected patient needs
- accept and integrate constructive criticism
- function cooperatively
- adhere to the BSN behavior standards
- exhibit non-discriminatory communication and behavior
- conform to ethical standards

BSN Requirements

Course and Credit Requirements

Core Curriculum: BSN requirements (credits)

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Including the successful completion of the following courses with a minimum grade of "C":

- Writing - ENGL 101 and ENGL 102 or ENGL 103 and ENGL 104
- Quantification – Core Math requirement one of the following: MATH 109, 110, 150, 210 or 211
- Natural Science – BIOL 113 or core lab science course
- Speech - ENGL 115
- Psychology - PSYC 110
- or
- Sociology - SOCO 101
- Psychology - PSYC 208

Concentration-Related

Successful completion of the following courses with a minimum grade of "C":

MATH 130	Elementary Statistics	3
BIOL 206/206L	Microbiology	4
BIOL 207/207L	Anatomy & Physiology I	4
BIOL 208/208L	Anatomy & Physiology II	4

Level 200 Courses

Successful completion of the following courses with a minimum grade of "C+":

NURS 202	Introduction to Professional Nursing	2
NURS 204	Foundations of Nursing Practice	5
NURS 206	Nutrition	3
NURS 234	Pathway to Progress*	3
HFE 200	Blueprint 2 Prepare	1

(*required for all transfer students and any student who must repeat a nursing course)

Level 300 Courses

Successful completion of the following courses with a minimum grade of "C+":

1st semester Junior

MATH 130	Elementary Statistics	3
NURS 341	Medical-Surgical Nursing I	7
NURS 343	Applied Pharmacology for Nursing Care	2
NURS 345	Nursing and Older Adult Health Promotion	2
NURS 347	Transition to Clinical Nursing	1
HFE 300	Blueprint 3 Persist	1

2nd Semester Junior

NURS 349	Psychiatric-Mental Health Nursing	3
NURS 351	Medical-Surgical Nursing II	7
NURS 353	Applied Pharmacology for Nursing Care II	2
NURS 355	Research in Nursing Practice	3

Level 400 Courses

Successful completion of the following courses with a minimum grade of "C+":

1st semester Senior

NURS 431	Nursing Care of the Childbearing Family	4
NURS 433	Nursing Care of Children	4
NURS 435	Transition to Professional Role I	1
NURS 461	Medical-Surgical Nursing II	5

2nd Semester Senior

NURS 442	Aggregate-Based Nursing Care	5
NURS 444	Leadership	5
NURS 446	Transition to Professional Role II	1
HFEX 400	Interdisciplinary core Seminar	3

Completion of nursing courses and clinical rotations takes 5-1/2 semesters in the BSN Traditional Track.

Other Requirements

All students in the pre-licensure BSN tracks are required to complete all ATI assignments as outlined in the course syllabi and BSN handbook.

Comprehensive Examination - The comprehensive examination represents a significant measure of knowledge integration acquired in the pre-licensure BSN program. The comprehensive examination is scheduled during the student's final semester in the program. Students who are unable to successfully complete the comprehensive examination at the scheduled time are not able to complete program requirements by the expected graduation date.

Second-Degree Bachelor of Science in Nursing

Second Degree Fast Track Programs: Day/Full-time, Distance Hybrid and Part-time Evenings/Weekends Admissions Requirements

The first Baccalaureate degree has to have been earned from an accredited College or University.

- Students must have an overall minimum GPA of 3.0 and a minimum GPA 2.75 in Math and Sciences in order to be considered for admission to the Second Baccalaureate Degree BSN Program.
- Students must progress in the nursing courses as listed on the sequence sheet. Each session is 8 weeks. Students in the Distance track must have a valid state ID/driver's license as address proof to be eligible to be in the program. Students in the distance track will be only accepted into the program from the approved States.
- All non-nursing prerequisites must be completed prior to admission.

Course and Credit Requirements

The following coursework must be completed with a minimum grade of "C" or better prior to admission to the program:

BIOL 206/L	Microbiology	4
BIOL 207/L	Anatomy and Physiology I	4
BIOL 208/L	Anatomy and Physiology II	4
NURS 206	Nutrition	3 (taught by a Registered Dietician for courses taken in PA)
MATH 130	Elementary Statistics	3

No more than one grade of "C" is permitted in the above courses.

No more than one repeat in any of the above courses due to grade of "C" or less.

Completion of nursing courses and clinical rotations takes 7 sessions (3.5 semesters) or 14 months for the Second-degree BSN Day Fast Track and Second-Degree Distance Hybrid BSN track

Completion of nursing courses and clinical rotations takes 11 sessions (5.5 semesters) or 22 months for the Second-degree BSN Part-time Evenings and Weekends Fast Track.

Second Degree BSN FT and Distance Hybrid Tracks

Session 1 Requirements

NUFT 202 Intro to Professional Nursing (2 Credits) NUFT 204 Foundations of Nursing Practice (5 Credits) NUFT 347 Transition to Clinical Practice (1 Credit) Total: 8 Credits

Session 2 Requirements

NUFT 341 Medical Surgical Nursing (7 Credits)
NUFT 343 Applied Pharmacology for Nursing Care (2 Credits) Total: 9 Credits

Session 3 Requirements

NUFT 351 Medical Surgery Nursing II (7 Credits)
NUFT 353 Applied Pharmacology for Nursing Care II (2 Credits) Total: 9 Credits

Session 4 Requirements

NUFT 431 Nursing Care of the Childbearing Family (4 Credits) NUFT 433 Nursing Care of children (4 Credits)
Total: 8 Credits

Session 5 Requirements

NUFT 349 Psychiatric Mental Health Nursing (3 Credits) NUFT 442 Aggregate-Based Nursing Care (5 Credits) Total: 8 Credits

Session 6 Requirements

NUFT 345 Nursing and Older Adult Health Promotion (2 Credits) NUFT 461 Medical-Surgical Nursing III (5 Credits)
NUFT 435 Transition to Professional Role (1 Credit) Total: 8 Credits

Session 7 Requirements

NUFT 444 Leadership (5 Credits)
NUFT 355 Research for Evidence-Based Nursing Practice (3 Credits)
NUFT 446 Transition to Professional Role II (1 Credit)
Total: 9 credits

Comprehensive Exam

Second Degree BSN Evenings and Weekends Track

Session 1 Requirements

NUFT 202 Introduction to Professional Nursing (2 Credits)
NUFT 347 Transition to Clinical Practice (1 Credit)
Total: 3 Credits

Session 2 Requirements

NUFT 204 Foundations of Nursing Practice (5 Credits) Total: 5 Credits

Session 3 Requirements

NUFT 341 Medical-Surgical Nursing I (7 Credits)

Session 4 Requirements

NUFT 343 Applied Pharmacology for Nursing Care (2 Credits)
NUFT 349 Psychiatric Mental Health Nursing (3 Credits) Total: 5 Credits

Session 5 Requirements

NUFT 351 Medical Surgical Nursing II (7 Credits) Total (7 Credits)

Session 6 Requirements

NUFT 345 Nursing and Older Health Promotion (2 Credits)
NUFT 353 Applied Pharmacology for Nursing Care III (2 Credits) Total: 4 Credits

Session 7 Requirements

NUFT 431 Nursing Care of the Childbearing Family (4 Credits) Total: 4 Credits

Session 8 Requirements

NUFT 433 Nursing Care of Children (4 Credits)

NUFT 355 Research for Evidence-Based Nursing Care (3 Credits) Total: 7 Credits

Session 9 Requirements

NUFT 461 Medical-Surgical Nursing III (5 Credits) Total: 5 Credits

Session 10 Requirements

NUFT 442 Aggregate-Based Nursing Care (5 Credits) NUFT 435 Transition to Professional Role (1 Credit) Total: 6 Credits

Session 11 Requirements

NUFT 444 Leadership (5)

NUFT 446 Transition to Professional Role (1) Total: 6 credits

Comprehensive Exam**Other Requirements**

All students in the pre-licensure BSN tracks are required to complete all ATI assignments as outlined in the course syllabi.

Comprehensive Examination – The comprehensive examination represents a significant measure of knowledge integration acquired in the pre-licensure BSN program. The comprehensive examination is scheduled during the student's final semester in the program. Students who are unable to successfully complete the comprehensive examination at the scheduled time are not able to complete program requirements by the expected graduation date.

RN-BSN Track

The focus of the RN-BSN Track is to broaden the RN's knowledge, enhance leadership and management skills, and recognize that registered nurses have diversity in clinical and educational experiences. The nursing curriculum focuses on the development of management and leadership skills, culture-sensitive health care, individual and family assessment skills, and research in the nursing practice. Graduates of the RN-BSN program are prepared to progress to advanced practice programs at the graduate level, e.g., MSN programs.

Courses are held in an eight-week Online format.

Up to a maximum of 90 credits (including 51 credits from your RN licensure) can transfer into the BSN program. A minimum of 27 of the 123 credits required for the degree must be taken at Holy Family University. All policies and procedures are listed in the BSN Student Handbook. (**Volume VIII of the University Policy Manual**). A minimum of 39 of the 123 credits required for the degree must be taken at Holy Family University. All policies and procedures are listed in the BSN Student Handbook (*Volume VIII of the University Policy Manual*).

Course and Credit Requirements

Core Curriculum: BSN requirements (credits)	45
RN Nursing License	51

Concentration

NUR 352	Family Assessment	3
NUR 354	Research in Nursing Practice	3
NUR 358	Global Health	3
NUR 450	Contemporary Issues in Health Care Delivery	3
NUR 452	Leadership in Nursing Practice	3
NUR 404	Nursing Quality and Patient Safety	3
NUR 442	Aggregate-Based Nursing Care	3
NUR 444	Clinical Competence Practicum	3
HFEX 400	Interdisciplinary Course Capstone	3

Transfer of Nursing Credits Policy for RNs

Holy Family University and the School of Nursing recognize and respect the diverse educational background of registered nurses. Nursing credits may be transferred from prior college or RN license or validated through individual evaluations.

Registered nurses who have graduated from an accredited Associate Degree nursing program or a hospital-based nursing program are eligible for the direct transfer of 51 nursing credits upon individual evaluation of professional practice and matriculation at Holy Family University.

Certificate Programs

Essentials in Elementary Perioperative Nursing Practice Certificate NURS-390 (4 non-degree credits)

This introductory course to perioperative nursing practice is designed to facilitate articulation for the nursing graduate or experienced RN to a professional operating room nurse through classroom and preceptor clinical experiences. The course focuses on developing perioperative nursing skills. Peer support and continuous feedback will be provided throughout the experience.

Learning Outcomes

- Understand core concepts related to the essential elements of perioperative nursing practice.
- Senior level nursing student or current Registered Nurse (RN).

Nurse Aide Training Program Certificate (0 Credits)

This comprehensive program prepares individuals with the essential hands-on skills and knowledge needed to provide high-quality patient care in various healthcare settings. This program is designed to address the growing demand for compassionate, skilled certified nurse aides (CNAs), focusing on the fundamental competencies required to assist patients in hospitals, nursing homes, and long-term care facilities. This is a noncredit certificate program.

Learning Outcomes

- Prepare candidates through a didactic, laboratory, and clinical setting with the core concepts related to the fundamental competencies of a nurse Aide.
- Prepare the candidate or eligibility to complete the dual part National Nurse Aide Assessment Examination.

Other Requirements

- Must be at least 16 years old and have a High School Diploma, or GED.
- Advanced Healthcare Provider signed and dated Medical Exam (Valid within one year of program enrollment) which verifies student is "Free from communicable diseases"
- Negative Two-Step Mantoux, or QuantiFERON Gold TB Test or Chest X-Ray with valid report from advanced practice provider (Valid within one year of program enrollment.)
- Proof of COVID vaccination (required by long-term care facilities for clinical hours)
- Verification of Pennsylvania Residency form
- Pennsylvania Criminal Background Clearance: (Valid within 1 year of program enrollment) NOT a Voluntary report
 - o Has been a PA resident for more than 2 yrs. - PA State Police (CHRI) through ePatch
- PA resident of Pennsylvania for 2 years:
 - o If not a resident of Pennsylvania for two years applicants An FBI Federal Fingerprint report must be obtained through Email sent to the PA Department of Education (PDE) to receive FBI report
 - o Has been a PA resident for less than 2 yrs. – CHRI & FBI
- Photo Identification with current address
- List of childhood vaccinations
- Yearly Influenza vaccination documentation

Courses

Designators Used to Identify Courses:

ACCT	Accounting
APLS	Applied Studies
ARTS	Art
BIOL	Biology
BIOT	Biotechnology
BUIN	Business Analytics
BUSA	Business Administration
BUSI	International Business
CHEM	Chemistry
CMIS	Computer Information Systems
COMM	Communications
CRJU	Criminal Justice
CSCI	Computer Science
CYBR	Cybersecurity
EDEC	Early Childhood Education
EASC	Earth Science
ECON	Economics
EDML	Education Middle Level
EDSP	Special Education
EDUC	Education
EDUN	Education
EDUS	Secondary Education
EMSL	Emergency Medical Service & Leadership
ENGL	English
ENVS	Environmental Science
EXER	Exercise Science
FINC	Finance
FREN	French
GEOG	Geography
GNED	General Education
GSCI	General Science
HCAM	Healthcare Administration and Management
HFEX	Holy Family Experience
HIST	History
HPWE	Integrated Health Promotion
HSCS	Health Sciences
ITAL	Italian
MATH	Mathematics
MEDT	Medical Technology
MLSC	Military Science
MNMK	Management-Marketing
MUSC	Music
NUFT	Nursing
NURS	Nursing
NUTR	Nutrition
PHIL	Philosophy
PHYS	Physics
POLS	Political Science
PPES	Political Science, Philosophy, Economics and Sociology
PSAM	Professional Sales and Marketing
PSYC	Psychology
RADS	Radiologic Science
RELS	Religious Studies
SCMM	Supply Chain Management
SOCO	Sociology
SPAN	Spanish
SPMM	Sport Marketing-Management
THEA	Theater

Designators Used to Identify Accelerated Courses:

ACC	Accounting
ADM	Administration
ART	Art
BIO	Biology
BUS	Business
CJA	Criminal Justice Administration
COM	Communications
ECE	Early Childhood Education Pre-K
ECO	Economics
EDU	Early Childhood Education Pre-K
ENG	English
ESP	Early Childhood Education Pre-K
FIN	Finance
GND	General Education
HIS	History
HRA	Human Resources Administration
HUM	Humanities
MGT	Management
MKT	Marketing
MTH	Mathematics
NUR	Nursing
PHL	Philosophy
POL	Political Science
PSY	Psychology
REL	Religion
SOC	Sociology
SPN	Spanish

Course Descriptions

Accounting Courses

ACCT 205 Principles of Financial Accounting (3 credits)

Theory and practice of financial accounting, includes fundamentals of the accounting process, analysis of transactions, and the preparation of financial statements. Enhances student's ability to handle all aspects of accounting, inventory control, depreciation, accounts receivable, and control of cash. Students utilize electronic working papers to solve problems.

ACCT 206 Principles of Managerial Accounting (3 credits)

Prerequisite: ACCT 205

Focus on managerial accounting for organizations in terms of planning, control and decision making. Explores corporate financing cost concepts and behavior, budgeting, analytical performance and ration analysis. Students will utilize electronic working papers to solve problems.

ACCT 307 Intermediate Accounting I (3 credits)

Prerequisite: ACCT 206

This course covers accounting topics designed for Accounting Majors. This includes the study of financial and accounting standards, conceptual framework, advanced presentation, an in-depth study of inventory, receivables, property and intangible assets, and other current accounting issues.

ACCT 308 Intermediate Accounting II (3 credits)

Prerequisite: ACCT 307

Course topics go beyond the scope of Intermediate Accounting I, including accounting and financial statement presentation for long-term liabilities, stockholder's equity, dilutive securities and earnings per share, investments in securities, revenue recognition, accounting for income taxes, pensions and leases, the statement of cash flows and the meaning of financial disclosures.

ACCT 309 Intermediate Accounting III (3 credits)

Prerequisite: ACCT 308

Intermediate III is the last of the Intermediate Accounting course series concluding the intensive study begun in Intermediate I and II of the U.S. Accounting Standards known as GAAP. This course continues a more in-depth study of; accounting and reporting for income taxes, pensions and post-retirement, leases, errors and corrections, statement of cash flows, full disclosure, and additionally studies the comparison between U.S. GAAP and IFRS.

ACCT 315 Cost Accounting (3 credits)

Prerequisite: ACCT 206

This course is designed to familiarize students with the theory and application of cost. The subjects covered include; data management, value chain analysis, cost behavior, cost volume profit techniques, manufacturing costing, transfer pricing, unit cost and other cost associated topics.

ACCT 335 Accounting Systems (3 credits)

Prerequisite: ACCT 307

This course is segmented into three sections. Section 1 is a general overview of Accounting Information Systems as it applies to data storage, capture, cloud computing, and data security. Section 2 examines the relationship and role designation between the accountant and systems analysis for system development. Section 3 employs the use of computerized accounting software.

ACCT 404 Auditing (3 credits)

Prerequisite: ACCT 308

This course studies the development and the use of generally accepted auditing concepts and theory employed in the verification of financial statements, evaluation of internal controls, statistical sampling, and the procedural testing used by the auditor. Additionally, ethical considerations and applications will be an important part of this course.

ACCT 413 Introduction to Taxation (3 credits)

Prerequisite: ACCT 206

This course is an introduction to the federal income tax code as it relates to individuals and business entities. The course covers income, deductions and losses comprising of taxable income, property transactions and the determination of tax liability. Application of the tax law is practiced with basic research, tax planning and tax return preparation.

ACCT 414 Advanced Taxation (3 credits)

Prerequisite: ACCT 413

An advanced study of tax law with emphasis on the formation and operations of business entities and an introduction to tax issues relating to gifts, estates, trusts, and state taxes. Includes tax research case analysis for corporations, property transactions and other selected topics.

ACCT 415 Advanced Accounting (3 credits)

Prerequisite: ACCT 309

This course is designed to familiarize students with the theory and application of advanced accounting subjects such as; equity investing accounting, consolidation accounting, outside ownership, and foreign currency translation of financial statements. Additionally, adjunct subjects such as SEC reporting, reorganizations and tax issues will be covered.

ACCT 416 Government and Not-for-Profit Accounting (3 credits)

Prerequisite: ACCT 307

This course covers the accounting, financial and budgetary reporting for governments and nonprofit organizations based on distinctive concepts, standards and procedures designed to accommodate the needs of their financial report users. It includes student introduction to the unique aspects of government agencies and their accounting, reporting, and auditing procedures and explores Not-for-Profit entities such as: public institutions, charities, educational and healthcare organizations, studying each entity as to its operational and stated objectives.

ACCT 427 Financial Fraud and Reporting (3 credits)

Prerequisite: ACCT 309

Advanced study of financial statement reporting, analysis of financial relationships, ratios and other factors as a means of determining business and investment values and identification of fraud and other business improprieties.

ACCT 439 Senior Seminar in Accounting (3 credits)

This course focuses on current issues in accounting with particular emphasis on the role of accounting in contemporary society. The course consists of readings, research, discussions and presentations designed to integrate accounting and business principles. An emphasis will be unethical considerations in the accounting profession.

American Sign Language**ASL 101 American Sign Language I (3 credits)**

This course introduces students to the basics of American Sign Language, including comprehension, production, interactional skills, and fundamentals of deaf culture. It is intended for students with no or minimal previous knowledge of American Sign Language.

ASL 102 American Sign Language 2 (3 credits)

This course continues to introduce students to the basics of American Sign Language, including comprehension, production, interactional skills, and fundamentals of deaf culture. It is intended for students some previous knowledge of American Sign Language.

Applied Studies**APLS 400 Applied Studies Capstone (3 credits)**

This course serves as the culminating experience for students in the Applied Studies Capstone major, encouraging them to synthesize the knowledge and skills gained from their customized coursework. The capstone is a project-based course where students will undertake a significant, independent research or creative project that addresses a complex societal issue from multiple disciplinary perspectives.

The primary goal of APLS 400 is to demonstrate a student's ability to conduct interdisciplinary research, analyze multifaceted problems, and communicate their findings effectively to a broader audience. Students will be guided through the process of project design, literature review, data collection or creative work, and final presentation. The course structure is designed to be highly flexible, allowing each student to tailor their project to their specific intellectual interests, building directly on the unique academic path they have forged throughout their major.

Art Courses**ARTS 102 Art Appreciation (3 credits)**

Develops a critical and appreciative attitude toward historical and contemporary painting, sculpture, and architecture. Lectures, slides, museum visits, and studio experiences enhance study of basic elements of the visual arts.

ARTS 202 Digital Design (3 credits)

This course introduces students to the art of publication layout and design using desktop publishing software and computer technology. Special attention is given to design principles, typography, layout, and production techniques.

ARTS 210, 211 Watercolor I, II (3 credits each)

Prerequisite for ARTS 211: ARTS 210

Exploration of the technical and creative properties of watercolor as a pictorial medium. Attention to color, line and composition, transparent layers of color, and the dry brush technique.

ARTS 212 Web Design and E-Commerce (3 credits)

A project oriented class where students design, create and maintain a website. At the successful completion of the course students will have samples to show prospective employers to demonstrate the quality of their work.

ARTS 213 Art History: Ancient to Renaissance (3 credits)

General survey of major developments in architecture, painting, and sculpture from prehistoric times to the Renaissance.

ARTS 214 Art History: Renaissance to Modern (3 credits)

General survey of major developments in architecture, painting, and sculpture from the Renaissance through Impressionism.

ARTS 217, 218 Sculpture I, II (3 credits each)

Prerequisite for ARTS 218: ARTS 217

Course structured to give students an understanding of the formal elements of sculpture. Designed to allow students to investigate form, material, and content through projects, slides, field trips, and discussions. Opportunities to investigate and critique historical and contemporary sculpture with an experience of materials and processes that encourages independent thinking and experimentation.

ARTS 221 Art Therapy (3 credits)

An introduction to the field of Art Therapy with a focus on the historical and philosophical bases of the field. Seminars, lectures, and study of artistic production in a therapeutic milieu.

ARTS 223 Two-Dimensional Design (3 credits)

Consideration of design, elements, and principles of organization through creative problems in line, color, and form. Study of the functions of design and use of images in visual communication.

ARTS 224 Three-Dimensional Design (3 credits)

An investigation of the elements of spatial design and the definition, organization and manipulation of three-dimensional space. Projects explore the inter-relationship of materials, concepts and techniques in the exploration of structural and volumetric form.

ARTS 225 Drawing and Composition (3 credits)

Drawing considered as the organization of the visual elements of line, space, shape, value, and texture on paper. Variety of media including pencil, charcoal, pen and ink, and pastel. Work from still life, models, and landscape. Individual creative solutions to drawing problems encouraged.

ARTS 226 Drawing from the Model (3 credits)

Concentrates on rendering the human figure with emphasis on composition, anatomical correctness, and individual observation. The exploration of diverse drawing materials and of personal expression is encouraged.

ARTS 230 Elements of Typography (3 credits)

Elements of Typography is an introduction to typography as a fundamental language to graphic communication. No previous knowledge of typography is presumed. This course will address the use of different typefaces and type layouts to communicate visually desired effects.

ARTS 310 Elementary Art Education (3 credits)

Elementary Art Education provides students with theoretical and practical foundations in teaching art in the elementary classroom. Art activities and productions are important for the direct learning about art and as a tool that can be integrated with other subjects in the elementary school setting.

ARTS 311 Art in the Secondary School (3 credits)

This course equips the student with teaching strategies in developing appropriate curriculum and activity materials, developing assessment techniques, developing classroom management techniques and professional classroom methods. The course will deal with teaching and understanding techniques for Disciplined Based Art Education (DBAE).

ARTS 315 Graphic Design (3 credits)

Students will develop skills in working with text and image as they create solutions to design assignments. Students will work at both the drawing table and at the computer.

ARTS 316 Digital Photography (3 credits)

This skills course provides a conceptual foundation and hands-on experience in digital photography. Overview of historic and artistic approaches, along with instruction in image acquisitions, composition, image processing, and presentation. Students complete photographic assignments and present portfolios.

ARTS 317 Digital Illustration (3 credits)

Using the computer as a drawing and painting tool, this course explores the world of digital illustration. Students will complete a series of projects based on visual design problems using computer software programs.

ARTS 318 Graphic Design II (3 credits)

Prerequisite: ARTS 315

Graphic Design II focuses on developing of production studio techniques for graphic designer, including the preparation of art for reproduction using the computer as a graphic design problem solving tool, combining text image and digital design.

ARTS 319, 320 Painting I, II (3 credits each)

Prerequisite for ARTS 320: ARTS 319

Study and practice of basic techniques and materials of oil or acrylic painting. Work in representational and non-representational concepts from the figure, still life, and invented forms. Attention directed to the concepts and stylistic innovations of contemporary painting.

ARTS 321, 322 Ceramics I, II (3 credits each)

Prerequisite for ARTS 322: ARTS 321

Fundamental techniques of clay building: pinch, coil, and slab. A variety of surface embellishments: stains, underglaze, glazing, painting, burnishing, and bas-relief. Studio instruction supplemented with demonstrations.

ARTS 323, 324 Printmaking I, II (3 credits each)

Prerequisite for ARTS 324: ARTS 323

Introduction to processes of transferring drawings into prints. Investigation of color, texture, papers, and tools as they relate to the production of prints. Woodcuts, inkless drypoint, linoleum, and silk screen techniques. Textile printing considered.

ARTS 325, 326 Seminars in Art History (3 credits each)

In-depth study of a particular movement or era in the history of art.

ARTS 327 Advanced Studio Art III (3 credits)

Prerequisite: Successful completion of the second level of one specific studio art course of the student's choosing. ARTS 211, ARTS 218, ARTS 318, ARTS 320, ARTS 322, or ARTS 324.

In-depth study of the student's area of specialization. Formulation of individual goals related to the possibilities inherent within a given medium. Emphasis on the development of mature skills and individual point of view. Must have successfully completed two levels of one specific studio art course of the student's choosing.

ARTS 330 Digital Photography II (3 credits)

Prerequisite: ARTS 316

Digital Photography II will explore the potential of digital photographic imagery and will develop advanced image editing skills. The course will explore the use of photography as an artistic medium.

ARTS 350, 351 Internship (3 credits each)

Internship at a business that provides students with hands-on experience in commercial art under the supervision of an art instructor and the coordinator of the program.

ARTS 427 Research Seminar (3 credits)

Individualized study and research techniques related to the student's area of interest culminating in a paper.

ARTS 428 Independent Project (3 credits)

Production and completion of a creative project in the student's area of specialization.

ARTS 433-499 Special Topics (3 credits each)

Series of courses, each focuses on one specific area related to either art history or studio content. Courses vary in content.

Biology Courses**BIOL 108 Freshman Biology Seminar (2 credits)**

Introductory seminar course structured to highlight various career pathways within the field of biology while providing students with necessary skills and insights into various norms, values, and ethical considerations that will serve them throughout their academic and professional lives.

BIOL 112 Introduction to Human Biology (3 credits)

Introduction to the Human body will highlight the organization, structure and function of one of the most complex organisms to roam the plant, the human being. The course will describe how processes work at the level of the cell and tissues all the way to the body level of organization.

BIOL 113 Human Physiology (4 credits)

Human Physiology will highlight the organization, structure and function of one of the most complex organisms to roam the plant, the human being. The course will describe how processes work at the level of the cell and tissues all the way to the body level of organization. Three hours of lecture and one 3-hour lab.

BIOL 115 Introduction to Neuroscience (3 credits)

This course will cover the fundamentals of neuroscience. Core concepts in nerve cell structure, synapses, communication between cells, as well as the structure and function of the central nervous system are discussed, including the somatosensory and motor systems. The biological basis of neurodegenerative diseases, addiction and mental illness are evaluated.

BIOL 120, 121 Biological Principles I, II (4 credits each)

Fundamental principles and laws governing biological systems. Structure, origin, and function of the cell serving as basis for study of multicellular organisms and populations.

BIOL 120HNR; 121HNR Honors Biological Principles I, II (4 credits each)

Placement by Honors Program admissions

Fundamental principles and laws governing biological systems. Structure, origin, and function of the cell serving as basis for study of multicellular organisms and populations.

BIOL 206 Microbiology (4 credits)

Prerequisite: BIOL 120 or GSCI 104

Three hours of lecture and one 2-hour lab.

Survey of the microbial world with emphasis on microbes of medical importance, pathogenesis of disease, and immunology. Application of techniques for culturing, study, and identification of bacteria and related microbial forms in lab.

BIOL 207; 208 Anatomy and Physiology I, II (4 credits each)

Prerequisite for BIOL 207: BIOL 120 or GSCI 104

Prerequisite for BIOL 208: BIOL 207

Three hours of lecture and one 2-hour lab.

Mammalian morphology and physiology at the cellular and systemic level with emphasis on the human body. Lab includes gross anatomy of a representative vertebrate and use of classical physiological techniques.

BIOL 211 Cell Biology (4 credits)

Prerequisite: BIOL 120

Three hours of lecture and one 3-hour lab

Detailed examination of the structural and functional components of the cell, presented in terms of the molecular building blocks for each cellular component. Major concepts include protein structure and function, DNA and chromosomes, membrane transport, generation of cellular energy, cell signaling and the cytoskeleton.

BIOL 220 Marine Biology (3)

Two hours lecture/two hours lab

This course examines the ecosystems of the world's oceans, highlighting the abiotic and biotic factors that contribute to the distribution of marine organisms. Emphasis will be placed on scientific literacy through awareness and understanding of the fundamental concepts about the history, function, and use of the ocean.

BIOL 300 Advanced Microbiology (4 credits)

Prerequisite: BIOL 121; CHEM 121

This course will provide the opportunity to study microorganisms in the context of the medical world. This course will introduce the wide field of microbiology and the relationship with human morbidity and mortality. Several areas of immunology, particularly as it relates to infection, will also be addressed.

BIOL 306 Marine Biology (3 credits)

This course examines the ecosystems of the world's oceans, highlighting the abiotic and biotic factors that contribute to the distribution of marine organisms. Emphasis will be placed on scientific literacy through awareness and understanding of the fundamental concepts about the history, function, and use of the ocean.

BIOL 304 Principles of Genetics (3 credits)

Prerequisite: BIOL 211

Basic principles of heredity and genetic analysis in prokaryotes, eukaryotes, and viruses. Includes topics in classical genetics, genetic analysis of chromosome structure, gene expression, population genetics, and basic biochemical principles of heredity.

BIOL 307 Medical Terminology (3 credits)

This course will provide an introduction to medical terminology including, the structure of medical words, pronunciation, spelling and definition of medical terms. Students will learn to communicate in a professional manner using proper medical terminology pertaining to body systems.

BIOL 312 Cell-Cell Interaction (3 credits)

Prerequisite: BIOL 211

Detailed study of the mechanisms and implications of intercellular interaction and communication in multicellular organisms. Emphasis on the role of the cell surface in signaling, the physiology and biochemistry of hormonal and neuronal signaling, and the nature and importance of intercellular communication in developing organisms.

BIOL 313 Basic Elements of Pharmacology and Toxicology (3 credits)

Prerequisite: CHEM 208

This course offers an overview of the general mechanisms underlying the effects of drugs and chemicals on biological systems in the human body. The principles of drug actions, neuro, cardio, renal, and hepatic pharmacology and toxicology, drug-receptor interactions, drug metabolism, and structure activity relationships will be examined.

BIOL 314 Parasitology (4 credits)

Prerequisite: BIOL 120, 121

Parasitology will introduce students to the basic concepts of parasitology, including types of animal associations, adaptations to parasitic mode of life, and evolution of parasitism. Parasite life cycles (infection, transmission, pathology, symptoms, diagnosis, and treatment) and control of medically and economically important parasites are the main emphasis of this course. Includes a laboratory.

BIOL 320 Molecular and cellular Mechanisms of Human Disease (3 credits)

Prerequisite: BIOL 211

This course will provide a comprehensive examination of the cellular events and alternations in molecular pathways that occur in various human diseases. It will focus on genetically inherited diseases, metabolic diseases, immunological disorders and inflammation, infectious diseases, cardiovascular diseases, carcinogenesis, and neurological diseases. Current therapeutic approaches will be discussed.

BIOL 324 Inorganic, Organic, and Cultural Evolution (3 credits)

Prerequisite: BIOL 121

Recommended prerequisite: BIOL 304

Study of evolutionary processes. Traces the evolution of the universe as well as organic evolution, culminating with the evolution of man both at the biological and cultural level. Particular emphasis on the history of scientific thought.

BIOL 325 Junior Seminar: Scientific Literature (2 credits)

Introduction to the general principles of scientific research and to the literature that documents its development. Includes basic research methodology, training in the use and interpretation of information-dissemination sources, including machine-readable bibliographic databases, and the analysis of selected primary research papers.

BIOL 330 General Immunology (3 credits)

Prerequisite: BIOL 211

A comprehensive examination of the evolution, structure, and function of the immune system. Emphasis on immunogenetics and histology, humoral, and cell-mediated response mechanisms, and regulatory interactions. Selected examples of the beneficial and pathological consequences of the immune response considered.

BIOL 331 Botany, the Biosphere, and Ecosystems (3 credits)

Prerequisite: BIOL 121

Introduction to plant biology and ecology. Basic plant morphology, molecular physiology, reproduction, taxonomy, and evolution. Principles of ecology with an emphasis on ecological modeling and problem-solving.

BIOL 332 Ecology (3 credits)

Prerequisite: BIOL 121

Two hours of lecture and one 2-hour ab.

Introduction to Ecology with emphasis on biosphere, populations, interactions of organisms, community ecosystems, conservation and environmental concerns. Laboratory assignments will involve measurement of water, soil and organisms in local ecosystems.

BIOL 333 Kinesiology and Biomechanics (3 credits)

Prerequisite: BIOL 207 and PHYS 201

This course examines human motion from an anatomical and mechanical perspective. Principles of skeletal muscle contractions in relationship to joints and motion are explored. The laws of physics governing motion, force, and equilibrium are applied to the anatomical and mechanical mechanisms that regulate musculoskeletal systems during various physical activities.

BIOL 334 Applied Neurodevelopment (3 credits)

Prerequisites: BIOL 120 or BIOL 115 or PSYC 305

This course will cover the fundamentals of neurodevelopment and apply core concepts in a laboratory setting utilizing a zebra fish developmental model. The aim of the course is to explore the cellular and molecular mechanisms underlying neural development. Two hours lecture Two hours lab.

BIOL 335 Animal Behavior (3 credits)

Prerequisite: BIOL 121

This course will examine the remarkable diversity of animal behaviors and the underlying evolutionary and ecological mechanisms. This course will address both the proximate and ultimate causes of animal behavior from perspectives in biology, genetics, and neuroscience.

BIOL 340 Introduction to Clinical Practice (3 credits)

Prerequisite: BIOL 208

This course offers an overview of basic mechanisms used to diagnose medical diseases. It will focus on patient experiences and general medical practices. The class will be introduced to the foundations of clinical diagnostic methods, develop an understanding of clinical data, and learn the limitations of using clinical data.

BIOL 341 Medicinal Plants and Fungi (3 credits)

This course will explore medicinal plants and fungi, focusing on their therapeutic properties and applications in human body systems. Students will examine the biochemistry and clinical uses of compounds derived from plants and fungi, understanding their impact on different bodily functions. Students will also explore the history of medicinal plants including indigenous uses of medicinal herbs and fungi. The course will address key body systems such as the cardiovascular, circulatory, digestive, nervous, and endocrine systems, linking specific plant and fungal medicines to disease and wellness.

BIOL 345 Advanced Critical Reasoning (3 credits)

Prerequisite: BIOL 211, BIOL 304, CHEM 208, PHYS 202

Application and synthesis focused course that will challenge students to master their own problem-solving, critical thinking, analytical skills, and knowledge of natural, behavioral, and social science concepts and principals.

BIOL 350 Forensic Sciences (4 credits)

Prerequisite: CHEM 207

This course focuses in the analysis of physical, chemical, and biological evidence that are commonly used in criminalistics. The theoretical principles underlying the instruments involved in forensic analysis are thoroughly explored. The course includes the discussion of cases including violent crimes, burglary, rape, arson; questioned documents, environmental and industrial crimes.

BIOL 360, 361 Internship I, II (3 credits)

Introductory seminar course structured to highlight various career pathways within the field of biology while providing students with necessary skills and insights into various norms, values, and ethical considerations that will serve them throughout their academic and professional lives.

BIOL 408 Cell and Molecular Techniques (3 credits)

Pre- or Co-requisite: BIOL 412

Two hours of lecture and one 3-hour ab

Explores the theoretical background for techniques commonly employed in cell and molecular research. Practical experience in cell culture, cellular immunology, cell fractionation, genetic analysis, and recombinant DNA techniques.

BIOL 411 Microtechniques (4 credits)

Prerequisites: BIOL 207, 208

Two hours of lecture and two 2-hour labs

Study of the correlation between structure and function of the various plant and animal tissues, organ systems, and individual cells within these systems. Theory and practice of histotechnology, standard and specialized techniques in microscopic tissue preparation and study.

BIOL 412 Molecular Genetics (4 credits)

Prerequisites: BIOL 304

Three hours of lecture and one 3-hour lab

Examination of the biochemical basis for heredity. Emphasis on conceptual and experimental approaches that have been influential in shaping current views of the structure and function of the gene. Topics include the molecular aspects of nucleic acid replication, transcription, translation, regulation of gene expression, recombination, DNA repair and RNA processing.

BIOL 413 Scientific Literacy (3 credits)

Prerequisite: BIOL 211, BIOL 304

Science literacy is the ability to use scientific knowledge to accurately evaluate information and make decisions based on evidence. This course allows for the process of inquiry into basic research methodology, interpretation of information, and the analysis of selected primary research papers to explore the "wicked problems" facing scientists and society. Three hours of lecture.

BIOL 414 Scientific Communication (2 credits)

Prerequisite: BIOL 413

Seminar-style course that combines class discussion, data-analysis, critical thinking, and student-led scientific seminars. The priorities of this course are to challenge student mastery of knowledge and problem-solving while allowing students to improve their ability to communicate to both scientific and public audiences. This course is based on current peer-reviewed literature, current events, and societal issues.

BIOL 417 Modern Concepts in Biochemistry I (4 credits)

Prerequisites: CHEM 207 and CHEM 208

Three hours of lecture and one 3-hour lab

Principal concepts of the chemistry of cellular constituents as it relates to the structure and function of carbohydrates, lipid, amino acids, proteins, nucleic acids, membranes mechanisms. Lab: Survey of intermediary metabolism with special emphasis on the regulation of metabolic processes.

BIOL 418 Modern Concepts in Biochemistry II (4 credits each)

Prerequisites: CHEM 207, CHEM 208, BIOL 417

Principal concepts of the chemistry of cellular constituents as it relates to the structure and function of carbohydrates, lipid, amino acids, proteins, nucleic acids, membranes, and transport mechanisms. Lab: Survey of intermediary metabolism with special emphasis on the regulation of metabolic processes.

BIOL 419 Reading and Writing Our Environment (3 credits)

Humans are never neutral in their relationship to nature and surroundings. This course addresses a central question that nature writing has attempted since the written word existed: How do humans interact, see, and represent their environment? We will review the historical approaches of how language and art navigate the idea of "Nature" and the environment. To test these approaches, we will immerse ourselves inside environmental spaces and report, create, and describe our experiences during these field studies.

BIOL 427, 428 Research/Internship (2 credits each)

Prerequisite: CHEM 208, BIOL 211. Pre- or Co-requisite: BIOL 325

Research under direction of a faculty advisor or as an intern in an off-campus research institution under supervision. May include preliminary literature survey, experimentation, and frequent discussions with advisor or supervisor. Final written report and poster presentation required.

BIOL 431, 432, 433 Research Practicum I, II (1 credit)

Prerequisite: BIOL 413

Students will participate in independent research activities in collaboration with a Full-time Natural Sciences faculty mentor.

Biotechnology**BIOT 201 Introduction to Biotechnology (3 credits)**

This course introduces students to the field of biotechnology and emphasizes harnessing the power of cells to produce compounds of interest. Students will examine fundamental concepts, tools, techniques, applications and career pathways within biotechnology. We will discuss biomanufacturing, current and emerging trends, the impact of biotechnology innovations on health and medicine with consideration of the accompanying ethical, legal, regulatory and societal issues.

BIOT 202 Intro to Quality & Regulatory Compliance (3 credits)

This course provides an overview of quality management systems and regulatory compliance principles in biotechnology. It covers the principles and practices necessary to ensure that products meet quality standards and regulatory requirements throughout the company and product lifecycle. Topics covered include development, manufacturing, and post-market activities with an emphasis on Good Manufacturing Practices (GMP) as described by US FDA and other regulatory agencies.

BIOT 204 Biochemistry for Biomedical Science (3 credits)

Three hours of lecture

Biotechnology uses the power of cells to produce small molecular compounds, like amino acids, (poly)peptides, proteins, and other compounds which become involved in energy producing reactions within the cell. This course focuses on the principal concepts of how the chemical make-up of these cellular constituents drives and regulates intermediary metabolism. The course covers the properties of key molecular components of metabolic pathways, enzymes and their role in signaling/regulation of these pathways, how molecules are able to transport within and between cells, and details the steps of core ATP-synthesizing reactions used to create energy for living systems.

BIOT 302 Bioprocessing (4 credits)

Three hours of lecture and one 3-hour lab

Biotechnology harnesses the power of cells-such as bacteria, yeast, mammalian cell culture, and others-to produce compounds of interest, like small molecules, polypeptides, proteins, nucleic acids, virus-like particles, viruses, and other compounds. This production typically falls into four categories of production, each requiring a unique set of skills. These categories are upstream bulk production, downstream bulk production, final formulation and finishing, and packaging. This course focuses on the first of these steps, Upstream Bioprocessing. The course covers Cell Bank Creation, Culture Media Preparation, Cell Culture Expansion, Bioreactor Production, and Bioreactor Harvest.

BIOT 304 Analytical Methodology (4 credits)

Three hours of lecture and one 3-hour lab

Quality control in the pharmaceutical and biotechnology industry uses analytical methodology to assure product safety, identity, strength, purity, and quality (SISPQ). As such, equipment used in this critical product verification process must follow stringent, standard guidance to ensure product integrity. This course focuses on the theory and practice of chemical analyses and industry guidance surrounding method development, qualification, and validation highlighting the importance surrounding equipment integrity. The course covers the principles of solute distribution using HPLC separation methods, theory behind selected electrical instruments including SDS-PAGE, quantitative separations like Mass Spectrometry and ELISA, accepted industry guidance for method development, qualification, validation, and expectations to ensure equipment suitability for testing.

Business Analytics Courses

BUAN 105 Foundations of Data Analytics I (3 credits)

In an increasingly data-driven world, everyone should be able to understand the numbers that govern our lives. Whether or not you want to work as a data analyst, being “data literate” will help you in your chosen field. In this course, you’ll learn the core concepts of inference and data analysis by working with real data. By the end of the term, you’ll be able to analyze large datasets and present your results. This online class has optional live sessions.

BUAN 205 Foundations of Data Analytics II (3 credits)

Prerequisite: BUAN 105

This course is intended as a continuation of Foundations of Data Analytics I. In this course, you’ll learn how Data Analytics are applied within the workforce. Particular attention will be paid to the role of the Data Scientist or Analyst, machine learning and the applications of Big Data. By the end of the term, you will be able to design and execute a range of data-driven experiments. This online class has optional live sessions.

BUAN 210 Principles and Techniques of Data Analytics I (3 credits)

Data Analytics combines data, computation and inferential thinking to solve challenging problems and understand their intricacies. This class explores key principles and techniques of data science and teaches students how to create informative data visualizations. It also explores concepts of Linear Algebra which are central to Data Science. This online class features optional live sessions.

BUAN 215 Business Analytics I (3 credits)

Prerequisite: BUAN 105 and BUAN 205

This course focuses on using the most common business analytics tools in the industry. You’ll build foundational skills in SQL and Tableau to extract, analyze, and visualize data. You’ll also dive into database design, hypothesis testing, and the nuances of big data in the business landscape.

BUAN 310 Principles and Techniques of Data Analytics II (3 credits)

This course builds on Principles and Techniques of Data Analytics I to provide students with a more robust understanding of the tools of a Data Scientist. Data Analytics combines data, computation, and inferential thinking to solve challenging problems to thereby better understand the world. This class explores key principles and techniques of data science, including quantitative critical thinking and algorithms for machine learning methods. It will also introduce students to the ways in which data analytics is deployed in healthcare, marketing, political science, criminal justice, and other fields. This online class has optional live sessions.

BUAN 315 Business Analytics II (3 credits)

Prerequisite: BUAN 105, BUAN 205, and BUAN 215

This course is intended as a continuation of Business Analytics I. You’ll build on your knowledge of business analytics tools by learning advanced SQL and Tableau skills and predictive modeling. This course is oriented around business case studies to apply this newfound knowledge to real-world scenarios.

BUAN 400 Data Analytics Practicum (3 credits)

This course is a capstone project in which students are asked to work through a full data science workflow on a set of real data drawn from sports, politics, business or public health. This course exists to prepare students for the kind of work they will do on Data Science or Analytics teams, and as such, also features an emphasis on interviewing for jobs in the space and communicating results to stakeholders. This online class has optional live sessions.

BUAN 410 Business Analytics Capstone (3 credits)

Prerequisite: BUAN 105, BUAN 205, BUAN 215, and BUAN 315

In this capstone course, students engage in a hands-on business analytics project, tackling a real-world data problem from start to finish. This immersive experience equips students with the skills needed for their future roles as analysts, with a special focus on honing job interview skills and communicating findings to stakeholders. Students will also learn how to build a portfolio for their job search. This online class has optional live sessions.

BUIN 101 Introduction to Business Analytics (3 credits)

This course focuses on the application of spreadsheets and presentation software for the processing, manipulation, and reporting of business information.

BUIN 201 Statistical Computing and Visualization (3 credits)

Prerequisite: CMIS 107, BUSA 104 or MATH 130

This course is a survey of popular statistical languages and their use in the processing and visualization of data. The exploration of a Geographical Information System (GIS) is also included.

BUIN 307 Systems Analysis and Design (3 credits)

Study of the systems development life cycle approach of solving corporate problems with a primary focus on the entire cycle from work requests to implementation of data management procedures and maintenance of the system. Use of analysis and graphing software provides hands-on experience.

BUIN 308 Database Management (3 credits)

Examination of data structures, file organizations, and logical design of large-scale database systems using relational and object-orientated models. Includes a hands-on database design experience.

BUIN 309 Advanced Database Management (3 credits)

Prerequisite: BUIN 308

This course is a continuation of BUIN 308 with an emphasis on advanced SQL and the design, creation and the use of data warehouse through on-line analytic processing. This course also covers non-traditional data models.

BUIN 402 Data Mining (3 credits)

Prerequisite: BUSA 104 or MATH 130

This course is an exploration of the use of multivariate statistics and machine learning to mine patterns of interest from data.

BUIN 439 Senior Seminar in Business Analytics (3 credits)

Analysis of topics in the field of business intelligence, with an emphasis on ethics, data quality, and analysis of very large data sets. Research papers pertinent to the subject will be reviewed and a final report of the analysis of a data set will be required.

Business Administration Courses**BUSA 100 Introduction to Business (3 credits)**

This course is a survey of the functions and operations of business organizations in a global marketplace. The course will cover a wide variety of business management subjects including Economics, Business Formations, Global Markets, Management, Marketing, Accounting and Finance. Critical thinking, communications, research and problem-solving skills are emphasized via class discussion and assignment.

BUSA 104 Applied Business Statistics (3 credits)

This course provides the business student with a basis in general descriptive and inferential statistical theory as it applies to business practices and organizational management. The course covers concepts related to: data collection methodology, basic probability, discrete and continuous probability distributions, sampling distributions, simple & multiple linear regression, time series analysis, confidence intervals, and hypothesis testing.

BUSA 320 Business Law (3 credits)

Study of the regulation of business by the government, applying the various laws that affect business and the economy, structure of the court system, tort law, criminal law, uniform commercial code, and damage issues.

BUSA 350, 351 Internship (3 credits)

Offers the student the opportunity to work with the Experiential Learning Department in order to identify their career path and learn necessary, job search readiness skills. The students will work toward the goal of putting classroom theory into practice in paid or unpaid, in-field positions under the guidance and supervision of supervisors in a professional work environment.

BUSA 440 Business Core Culmination (3 credit)

This course serves as a culmination of the business core that enables the student to demonstrate the capacity to apply knowledge and skills from an organizational perspective. Thorough reinforcement of the business core is provided, and the comprehensive exam for business administration is administered at the completion of this course.

BUSA 445 Strategic Management (3 credit)

Prerequisite: ACCT 206, MNMK 312 and BUSA 100

A capstone course that integrates the understanding and application of knowledge gained from prior study of the various functional specialties in business disciplines. Course includes case methodology and a comprehensive research project.

International Business Courses

BUSI 416 International Business (3 credits)

An introduction to the study of business in the international setting, including the opportunities and problems of marketing and management. Questions of culture, trade barriers, international payments, and other factors of the international environment are considered in light of current events.

Chemistry Courses

CHEM 120; 121 Chemistry Principles I, II (4 credits each)

Prerequisite for CHEM 120: MATH 150

Prerequisite for CHEM 121: CHEM 120 and MATH 150

Three hours of lecture and one 3-hour lab

Fundamental concepts of inorganic chemistry for Chemistry, Biology, and Medical Technology concentrators. Includes: atomic structure, chemical bonding, stoichiometry, chemical equilibria, electrochemistry, thermodynamics, and acid-base theory. Lab includes basic chemistry techniques and experiments illustrating fundamental concepts.

CHEM 130 Chemistry Hidden Force Behind Society (3 credits)

This course explores the profound impact of chemistry on our world. Students analyze chemical innovations addressing global challenges, evaluate societal implications of chemical technologies, and develop critical thinking skills. Through case studies and projects, learners connect chemical principles to real-world issues, fostering scientific literacy and informed citizenship. Two hour lecture and one hour lab.

CHEM 207; 208 Organic Chemistry I, II (4 credits each)

Prerequisite for CHEM 207: CHEM 120, 121

Prerequisite for CHEM 208: CHEM 207

Three hours of lecture and one 3-hour lab

Fundamental principles including the relationship between the structure and reactivity of organic compounds. Basic lab techniques investigate selected organic reactions.

CHEM 301; 302 Physical Chemistry I, II (4 credits each)

Prerequisites for CHEM 301: MATH 212 and CHEM 121

Prerequisites for CHEM 302: CHEM 301

Three hours of lecture and one 3-hour lab

Study of the states and structure of matter, thermodynamics, electrochemistry, statistical mechanics, kinetics, and quantum mechanics.

CHEM 350 Forensic Sciences (4 credits)

Prerequisite: CHEM 207

This course focuses on the analysis of physical, chemical, and biological evidence that are commonly used in criminalistics. The theoretical principles underlying the instruments involved in forensic analysis are thoroughly explored. The course includes the discussion of cases including violent crimes, burglary, rape, arson; questioned documents, environmental and industrial crimes.

CHEM 417 Modern Concepts in Biochemistry I (4 credits)

Prerequisites: CHEM 207 and CHEM 208

Three hours of lecture and one 3-hour lab

Principal concepts of the chemistry of cellular constituents as it relates to the structure and function of carbohydrates, lipid, amino acids, proteins, nucleic acids, membranes mechanisms. Lab: Survey of intermediary metabolism with special emphasis on the regulation of metabolic processes.

CHEM 418 Modern Concepts in Biochemistry II (4 credits)

Prerequisites: CHEM 207, CHEM 208, CHEM 417

Principal concepts of the chemistry of cellular constituents as it relates to the structure and function of carbohydrates, lipid, amino acids, proteins, nucleic acids, membranes, and transport mechanisms. Lab: Survey of intermediary metabolism with special emphasis on the regulation of metabolic processes.

Communications Courses

COMM 115 Communication and Culture (3 credits)

Students study the history, functions, and structure of media industries including production distribution, and exhibition of mass mediated messages.

Computer Information Systems Courses

CMIS 100 Introduction to IT (3 credits)

Information Technology continues to be one of the most important topics in the modern workforce. This course will introduce you to the fundamentals of the field and teach you a range of valuable professional skills, including how to set up operating systems, how to troubleshoot problems, and how to build a computer. By the end of this course, you'll be prepared to take your next steps in IT and start solving technology problems on your own.

CMIS 102 Internet History, Security and Technology

To thrive in today's digital world, you need to understand the system that powers it. This course, built in collaboration with Google, will explore the internet and show you how it works. This class focuses on hands-on learning of important topics like cybersecurity, networking, and programming. By the end, you'll be able to evaluate your options for a rewarding career in technology. At minimum, you'll be a much wiser network citizen.

CMIS 107 Introductory Programming (3 credits)

Course is an introduction to programming and its three elementary structures: sequence, selection and iteration. Arrays and functions are also covered. Some data structures will be explored, as well as the complexity of a few elementary algorithms.

CMIS 202 Google Cloud Computing Foundations (3 credits)

Pre-requisite: CMIS-107 or CSCI-105, CSCI-110

This course will introduce you to the fundamentals of Cloud Computing. Infrastructure and Networking, and will explore how the cloud is used in a range of situations, including IT, App Development and Machine Learning. This course uses the Google Cloud Platform (GCP) and was built in concert with the Google Cloud Learning Services team.

CMIS 205 Advanced Programming (3 credits)

Prerequisite: CMIS 107

An introduction to object-oriented programming and data structures. Parallel computing and functional programming will also be covered.

CMIS 207 Network Tech and Communication (3 credits)

Prerequisite: CMIS 100

Whether a workplace is just a few people connected to a wireless router, or a financial giant, wired directly into the Nasdaq, it likely relies heavily on Network Technologies. This course will teach you how networks work, and how to set up and secure them. By the end of this course, you will be able to manage and maintain a range of different network types.

CMIS 210 Web Design and E-Commerce (3 credits)

Prerequisite: CMIS 107

A project-oriented class where students design, create, and maintain a website that uses active server pages integrated with data bases. At the successful completion of the course students will have samples to show prospective employers to demonstrate the quality of their work.

CMIS 211 Internet Programming (3 credits)

Prerequisite: CMIS 107

A project-oriented class where students design, create, and maintain a dynamic website that uses both client-side and server-side computing.

CMIS 220 Management Information Systems (3 credits)

This course provides the student with a broad view of ways in which computers and information are used in the business world. The course focuses on the use of business information systems hardware and software. A computer simulation of a business information system will be required.

CMIS 233 Health Care Info Systems (3 credits)

This course serves as an introduction to the application of information technology in health care organizations. Legal and ethical considerations of health care information technology are explored. Students are required to assess, develop and evaluate the effectiveness of information systems in health care practice.

CMIS 234 Human-Computer Interaction (3 credits)

Prerequisite: CMIS 211 or CMIS 107

An introduction to computer interface design with the focus on how humans relate to mobile technology. The course will implement best practice design features through the development of webpages and apps for mobile design.

CMIS 303 Networking (3 credits)

Course covers the Internet Layer Model, wireless and mobile networks, security and network management.

CMIS 307 Systems Analysis and Design (3 credits)

Study of the systems development life cycle approach to solving corporate problems, with a primary focus on the entire cycle from work request to implementation of data-management procedures and maintenance of the system. Use of analysis and graphing software provides hands-on experience.

CMIS 308 Database Management (3 credits)

Examination of data structures, file organization, and logical design of large-scale database systems using relational and object-oriented models. Includes a hands-on database design experience.

CMIS 412 Operating Systems (3 credits)

Prerequisite: One programming course

This Course provides a study of computer operating environments and systems, including basic input/output formats and disk structure. Detailed discussion of popular operating systems such as Linux will be covered.

CMIS 417 Project Management and Practice (3 credits)

This course covers the factors necessary for successful management of system development or enhancement projects. Both technical and behavioral aspects of project management are discussed. Project management software is utilized and a final project will provide hands-on experience.

CMIS 418 Cyber Security (3 credits)

This course gives a comprehensive understanding of the issues of data integrity and security found in the corporate workplace. Topics to be discussed will include viruses, firewalls, and the protection of networked systems.

CMIS 439 Senior Seminar (3 credits)

Analysis of topics and issues in the computer field, with emphasis on computer use in business decision-making. Discussions, papers, case studies, and research project.

Computer Science Courses**CSCI 101 Intro to Computer Science (3 credits)**

We live in a digital world, and to shape it, you need to understand the systems that power it. This course teaches you not just how computers work, but how they have—and will continue to—evolve. You'll get a taste for coding by building your own website, design AI-powered products, learn how to break down technical problems, and become a wiser digital citizen in the process.

CSCI 105 Programming for Everyone I (3 credits)

This course, built in collaboration with Google, provides a gentle, but thorough, introduction to programming using Python. You will learn the core concepts and techniques needed to create programs and perform basic data analysis. By the end of this course, you'll be ready to pursue further study in computer science and unlock more advanced programming courses. This online class has optional live sessions.

CSCI 110 Programming for Everyone II (3 credits)

Prerequisite: CMIS 107 or CSCI 105

This course, built in collaboration with Google, follows on from Programming for Everyone I. In the first half of the course, you will learn how to leverage your Python skills to treat the internet as a source of data. The second half of the course will teach you the fundamentals of Structured Query Language (SQL) and database design. By the end of the course, you will improve your programming skills and learn how to build a range of applications.

CSCI 215 Data Structures (3 credits)

Prerequisite: CMIS 107 or CSCI 105, CSCI 110 or CMIS 205

Ever wondered how search engines like Google can find what you need in milliseconds? The secret lies in efficient data structures. In this course, you will learn the fundamentals of data structures and why they are so crucial for optimizing performance. You'll explore linked lists, stacks, queues, trees, and graphs, and learn where to use them. By the end, you'll implement these structures to make your programs faster and be well-prepared for coding interviews

CSCI 305 Application Development I: Backend (3 credits)

Prerequisite: CMIS 107 or CSCI 105 and CMIS 205 or CSCI 110, CSCI 200

This course is all about equipping you with the skills to build dynamic, database-driven web applications—the core of great app development. You'll create powerful backend scripts using Java and JavaScript, build RESTful APIs, and develop middleware for user authentication and session management. By the end, you'll create apps that are not only functional but also beautiful, engaging, and solve real-world problems

CSCI 307 Application Development II: Frontend (3 credits)

Prerequisite: CMIS 107 or CSCI 105 and CMIS 205 or CSCI 110, CSCI 200

This course is all about equipping you with the skills to build dynamic, database-driven web applications—the core of great app development. You'll create powerful backend scripts using Java and JavaScript, build RESTful APIs, and develop middleware for user authentication and session management. By the end, you'll create apps that are not only functional but also beautiful, engaging, and solve real-world problems

CSCI 310 Introduction to C (3 credits)

Prerequisite: CMIS 107 or CSCI 105, CMIS 205 or CSCI 110, and MATH 130

In order to become a successful developer, you need to understand how computers interpret code. This course, which was built in collaboration with Google, will introduce you to C - the fundamental language used to write many high-level languages, including Python. By the end of this course, you will have a better understanding of how computers turn your code into ones and zeroes, and be able to use that understanding to build more efficient programs.

CSCI 315 Data Structures (3 credits)

Prerequisite: CMIS 107 or CSCI 105 and CMIS 205 or CSCI 110

This course, built in collaboration with Google, will teach you how to understand and use data structures. Data structures are used by almost every program and application to store, access and modify the vast quantities of data that are needed by modern software. By the end of this course, you'll learn what data structures are and learn how to use them in the applications you build.

CSCI 320 Inside a Microprocessor (3 credits)

Prerequisite: CMIS 107 or CSCI 105, CMIS 205 or CSCI 110, MATH 130, MATH 211 and CSCI 310

This course is intended as an introduction to computer hardware and builds upon Introduction to C. It covers the techniques used to design and build microprocessors, memory, and other elements of modern-day hardware. Students will learn the fundamentals of machine language (binary) and assembly language, and understand what happens inside of a computer on a fundamental level. Students will also have the opportunity to analyze the C compiler and learn how it produces the necessary strings of ones and zeros that will run on the hardware.

CSCI 325 Product Development (3 credits)

Creating software products is more than just writing code, it also requires an analysis of what your customers want, and how to meet their needs. As a result, understanding product development is key to a successful career in technology. By the end of this course (built in collaboration with Google), you will understand how product teams and processes work, and learn how to develop an idea into an actual product that delights your users.

CSCI 326 Software Development (3 credits)

Prerequisite: CSCI 100 or CSCI 105, CSCI 200, CSCI 305

Ever wondered what it takes to turn a great idea into a fully functional software product? This course covers everything from concept to implementation. Learn to use Git for efficient code management, ensure quality with comprehensive testing, and streamline delivery with CI/CD pipelines. Discover design patterns and apply SDLC methods. By the end, you'll be equipped to tackle any software project with confidence and expertise.

CSCI 400 Computer Systems (3 credits)

Prerequisite: CSCI 105

Curious about what happens under the hood of your computer? This course explores the inner workings of computer systems while teaching you the C programming language. Learn the fundamentals of operating systems, memory management, and file systems. Explore how microprocessors execute instructions and how peripherals communicate with the main system. By the end, you'll have an understanding of computer architecture and be able to optimize system performance using C.

CSCI 410 Algorithms (3 credits)

Prerequisite: MATH 211 and CSCI 315

This course explores algorithms from a coding-focused perspective, using Python. Students will learn about the issues that arise in the design of algorithms for solving computational problems and will explore a number of standard algorithm design paradigms and their applicability. Students will also become familiar with concepts of runtime,

recursion, implementation and evaluation. This course features a heavy emphasis on practical application of algorithms to common development and engineering challenges.

CSCI 440 Capstone Product Launch (3 credits)

Prerequisite: CMIS 102, CMIS 107 or CSCI 105, CMIS 205 or CSCI 110, CMIS 211, CSCI 305, CSCI 307, CSCI 310, CSCI 315, CSCI 410, MATH 130, MATH 211

Co-requisite: CCI 325

This course is intended as a culmination of all of a student's work in their Computer Science major. Students will work in groups to launch a web app prototype that meets the following requirements: 1. Uses Database concepts from the Computer Science Core, Data Structures, and Algorithms 2. Meets faculty approval Students will pitch their product, select the necessary technologies, work in groups to build an application, and create a webpage from which the application can be accessed. Students will be evaluated based on whether their product meets the goals they initially established, and on their internal project management processes.

Criminal Justice Courses

CRJU 101 Introduction to the Criminal Justice System (3 credits)

Examination of the processing of criminal defendants from the point of entry into the criminal justice system to departure. Study of the functions and structure of agencies of the criminal justice system (police, courts, correctional facilities) and how they operate as a system.

CRJU 200 Introduction to Criminology (3 credits)

In-depth study of the various explanatory theories of crime and delinquency. Critical evaluation of philosophical, sociological, psychological, and legal perspectives with a focus on the qualitative assessment of theory and its impact on public policy.

CRJU 202 Comparative Criminal Justice Systems (3 credits)

Provides students with a cross-cultural view of the central themes and issues of comparative research on criminal justice, particularly the structure and ideology of other countries' criminal justice systems, in an attempt to understand how diverse legal and procedural responses to crime can be.

CRJU 205 Organized Crime (3 credits)

An introduction to traditional and non-traditional organized crime in the U.S. including a historical analysis and examination of the type of individuals and organizations involved in this type of crime, as well as its structural aspects.

CRJU 206 White-Collar Crime (3 credits)

Provides an introduction to white-collar crime and examines the various types of white-collar crimes that exist in society with an emphasis on causes, frequency, control, and social impact.

CRJU 210 Law Enforcement (3 credits)

Prerequisite: CRJU 101

Focuses on the system of processing criminal offenders. Study of the agencies involved, and the historical and philosophical background of criminal law enforcement.

CRJU 212 Police and Community Relations (3 credits)

Prerequisite: CRJU 210

Understanding and resolving the problems and issues confronting police-community relations. Focus on the practical side of this vital service and definition of the "why" and "how to" of such decisive responsibilities as coping with crisis areas, civil disobedience, press relations, training, and social dilemmas.

CRJU 213 Spanish for Criminal Justice (3 credits)

Prerequisite: SPAN 102 or SPAN 104

Prepares students to understand, follow and discuss common operations of the criminal justice system in Spanish. Students will learn about key legal topics, become familiar with relevant cultural aspects, and engage in situational practices necessary for conducting operations with the Hispanic/Latin community in the U.S.

CRJU 219 Victimology (3 credits)

An examination of the legal, procedural, sociological, psychological, and economic effects experienced by crime victims. Students will critically assess victim-blaming arguments, such as victim provocation, precipitation, and facilitation, as well as the criminal justice system's procedures, treatment, and resources for crime victims.

CRJU 222 Women in the Criminal Justice System (3 credits)

Prerequisite: CRJU 101

An examination of the historic and contemporary treatment of women involved in the criminal justice system as offenders, victims, and agents of social control. Specific topics may include criminological theories of women's crime, women's victimization in sexual offenses and domestic violence, and women's experiences in policing, corrections, and the courts.

CRJU 299 Special Topics (3 credits)

Courses on special topics or current issues not yet established as regular offerings. Content varies and several in the series may be taken for elective credit.

CRJU 300 Corrections (3 credits)

Prerequisite: CRJU 101

Study of development and characteristics of the prison system and alternatives to confinement. Analysis of the social and psychological issues concerning detention, punitive philosophy, and rehabilitative treatment. Stresses major objectives of the correctional process, including the "community" concept.

CRJU 305 Transnational Organized Crime (3 credits)

Students in this course will analyze trends in transnational organized crime (TOC) in various countries throughout the world. They will be required to examine policy responses to combat such illicit activities. Moreover, course participants will study and present on different TOC topics to promote their critical thinking and research skills.

CRJU 308 Juveniles and the Law (3 credits)

Prerequisite: CRJU 101

Introduction to juvenile delinquency, theoretical perspectives on causes of juvenile crime, treatment programs and their effectiveness, juvenile gangs, trends in juvenile crime, juvenile status offenses, and efforts to prevent juvenile crime.

CRJU 317 Criminal Law (3 credits)

Prerequisite: CRJU 101

Study of state and federal criminal laws, their foundations and development, and the punishment attached to them. Understanding of the complexities of criminal law as it pertains to the present time.

CRJU 318 The Court System and Court Procedure (3 credits)

Prerequisite: CRJU 101

Overall view of court processes, emphasizing the role of the courts in the criminal justice system. Study of the history and structure of the courts, procedures in court, and issues in the courts today.

CRJU 328 Criminal Investigation & Forensics (3 credits)

This course provides an introduction to the field of forensic science through the exploration of its applications to criminal investigations and clear explanations of the techniques, abilities, findings, and limitations of the modern crime laboratory.

CRJU 330 Junior Seminar in the Social Sciences (3 credits)

Discussion of issues and controversies within the criminal justice system. Students make an in depth study and presentation of a controversial issue in criminal justice and the law.

CRJU 360 Internship for Criminal Justice (3 credits)

Internship is part of the academic program for students majoring in Criminal Justice and are designed to provide professional experiences which blend theoretical and practical learning.

CRJU 403 Probation and Parole (3 credits)

Prerequisite: CRJU 101

Explores the history, structure, and function of probation and parole. Discussion of pre-release programs, community adjustment, supervised liberty, and responses to the therapeutic process. Emphasis on the form and processes of community corrections.

CRJU 407 Ethics in Criminal Justice (3 credits)

This course introduces ethical theories and explores ethical dilemmas facing criminal justice practitioners and practical solutions for these. This course examines the practice of discretion in various positions within the criminal justice system and the ethical decision making associated with these occupations.

CRJU 421 Criminal Profiling (3 credits)

Prerequisites: PSYC 345 or SOCO 208

This course will cover the intersection of psychology and neuroscience. The course will focus on the biological basis of attention, memory, emotion, language, cognitive control, social cognition, neuroscience and the law, and methodology used in this field. Disease/disorders of the brain will also be discussed, including treatment and prevention.

CRJU 423 Advanced Research in Criminal Justice (3 credits)

Prerequisites: SOCO 311 and SOCO 322

A comparative analysis of the methodologies employed in studying contemporary criminal justice issues, with an emphasis on research design, ethics, sampling, validity, and reliability. Intended to expose students to a selection of works that illustrate the relative drawbacks and advantages of utilizing certain research strategies to answer particular policy-related questions.

CRJU 430 Senior Seminar in Social Sciences (3 credits)

Capstone course in the social sciences designed for SOCO and CRJU majors. Focus is on integrating, analyzing, and critiquing material from scholarly and authoritative academic sources in the majors through a topical seminar paper/presentation.

Cybersecurity Courses**CYBR 101 Introduction to Cybersecurity (3 credits)**

In today's world, no one is safe from cyber-attacks, but everyone can be prepared. This course will teach you how malicious actors use social skills and technology to facilitate cyber-attacks and provide you with the tools and information you need to defend against those attacks. Whether you pursue one of the many available jobs in cybersecurity or just want to secure your own privacy, you'll learn how to make the Internet safer.

CYBR 200 Network & Systems Security (3 credits)

Modern organizations know that even the strongest systems can be vulnerable to cyber-attacks. As a result, jobs in cybersecurity are rapidly expanding as companies look to secure their digital assets. This course will teach you how to secure those assets by identifying and fixing potential security vulnerabilities. By the end of the course, you will be able to identify and remedy common network and systems vulnerabilities.

CYBR 201 Cybersecurity and Governance (3 credits)

Prerequisites: CYBR 101

Cybercrime is one of the biggest threats companies face on a daily basis, and they are constantly looking for new hires to help protect them. In this course, you will get a firsthand look at the methods used to commit cybercrimes. You will also learn how governments detect, investigate, and stop these crimes, and become familiar with the laws and policies in place to deter cybercriminals.

CYBR 202 Modern Cybersecurity (3 credits)

Just as technology is constantly evolving, so too must cybersecurity to keep pace with changing trends. In this class, you will learn about the changing landscape of cybersecurity, emerging technologies that are likely to be targeted, and new forms of cyber-attack being launched. By the end of the course, you will be able to implement the most up-to-date practices in cybersecurity in order to protect against attacks.

CYBR 301 Network Systems & Security (3 credits)

Modern organizations know that even the strongest systems can be vulnerable to cyber-attacks. As a result, jobs in cybersecurity are rapidly expanding as companies look to secure their digital assets. This course will teach you how to secure those assets by identifying and fixing potential security vulnerabilities. By the end of the course, you will be able to identify and remedy common network and systems vulnerabilities.

CYBR 302 Cyber Forensics (3 credits)

Prerequisites: CYBR 101 and CYBR 201

When cybercrimes do happen, you need to know how to respond. This course examines the tools and techniques used to perform cyber forensics and conduct investigations into cybercrimes. By the end of the course, you'll be able to gather and analyze important digital evidence and gain skills in analyzing cybercrime that are in demand from companies across the country.

CYBR 303 The Future of Cybersecurity (3 credits)

Prerequisites: CYBR 200

Technology is racing forward, and cybersecurity must stay ahead to meet new challenges and threats. In this class,

you will learn about the changing landscape of cybersecurity, emerging mobile technologies that are likely to be targeted, and new forms of cyber-attacks being launched. By the end of the course, you will be able to implement the most cutting-edge practices in cybersecurity in order to protect against attacks.

CYBR 304 Security Operations (3 credits)

Prerequisites: CYBR 101 and CYBR 200

The moments after a breach can make or break an organization. When the unthinkable happens and a cybercrime is discovered, the actions taken by the security operations team can either contain the damage and restore order or lead to catastrophic consequences. This course examines the tools and techniques used to conduct investigations into cybercrimes and teaches the defensive skills necessary to ensure a breach doesn't occur in the first place.

CYBR 305 Ethical Hacking (3 credits)

Prerequisites: CYBR 200

To stop a hacker, you need to be able to think like a hacker. In this course, you will learn hands-on techniques for attacking and penetrating networks and systems. You will be prepped with tools to launch these offensive tactics, and then complete a hands-on project where they are asked to ethically hack a real system.

CYBR 401 Ethical Hacking (3 credits)

Prerequisites: CYBR 301 or CMIS 207

To stop a hacker, you need to be able to think like a hacker. In this course, you will learn hands-on techniques for attacking and penetrating networks and systems. You will be prepped with tools to launch these offensive tactics, and then complete a hands-on project where they are asked to ethically hack a real system.

CYBR 402 Cybersecurity Capstone (3 credits)

Prerequisites: CYBR 101, CYBR 200, CYBR 201, CYBER 303, CYBR 304, CYBR 401

The Capstone course is the culmination of the Cybersecurity program, allowing students to apply their knowledge to real-world challenges. Students will undertake a comprehensive project integrating various aspects of cybersecurity, including log analysis, vulnerability assessment, incident response, ethical hacking, and cloud security. This project will develop critical thinking skills and prepare students for major cybersecurity certifications.

ECE (Early Childhood Education) Pathway PreK-4

ECE 115 Foundations of Education (3 credits)

Foundations of Education provides students who are considering a career in education with introductory information about education in the 21st century. Students will explore education from the perspective of its place within a diverse society, taking into consideration historical and philosophical developments that impact on one's view of teaching. Through interactive classroom experiences, students will gain an understanding of the role of the teacher in today's classroom. Themes of study include: teacher as advocate and understanding of individual differences; foundation of education; ethical and legal issues; the establishment of collaboration for effective practice; accountability; the use of technology in the classroom to enhance teaching and learning; professionalism.

ECE 201 Introduction to Early Childhood Education (3 credits)

This course will develop basic knowledge, skills, and attitudes in students preparing to teach children in PK through grade four. Students will develop their understanding of the field of early childhood education, the work that practitioners do with young children, and the theories that serve as the base for that work including historical, social, and cultural perspectives. Central to this course is the understanding that developmentally appropriate practice involves teaching and learning as an integrated activity, taking place through children's play and investigations. The diverse needs of young children and their families are examined. Early childhood education is presented as a process involving children, families, school, and the community. Integral to the course are connections to practice through research and classroom experiences.

ECE 202 Child Development and Learning (3 credits)

Field experience required.

This course covers the development of children from conception through adolescence across all developmental domains (physical growth and motor skills, cognition and language and social and emotional development). It will include an in-depth exploration of theories of child development and issues of major importance in child development and learning. Content from research, personal experiences, and observations will be covered. The varied influences on the development and learning of the whole child will be considered, and content from research, observations, and life experiences will be addressed.

ECE 203 Early Language and Literacy (3 credits)

This course combines theoretical background with practical applications to prepare students for their role in early childhood education. Through connections to classroom experiences, students will have opportunities to observe young children and note their progress toward the achievement of developmental milestones. Instructional activities will focus upon language development as well as the development of concepts about print and literacy.

ECE 205 Theory and Practice in Educational Psychology (3 credits)

Field experience required.

The goal of this course is to provide a foundation on which to build knowledge of learners, learning and teaching, in an effort to understand and to improve the teaching and learning process. This course encompasses theories and principles related to learning and motivation, child development, individual and group differences as well as assessment, and more specifically how such topics relate to teaching. Instructional activities focus on principles of effective teaching and learning based upon current research. It is designed as an introductory level course that provides a basic understanding of teaching and learning and provides the groundwork for further educational coursework.

ECE 206 Engaging Learners through the Arts (3 credits)

Field experiences required.

This course expands students' understanding of basic techniques and methods for planning, teaching, and assessing learning experiences for children in PreK through grade four. The course has two major goals. The first is to familiarize pre-service teachers with the interplay between effective lesson planning, establishment of a classroom environment, and successful execution of a lesson. The second goal is to explore the role of creativity and the arts in learning. The assignments combine these goals through the development and implementation of arts-based lessons in a field setting. The course further develops students' understanding of the teaching profession through reflection on one's practice and engagement with families.

ECE 301 Literacy Assessment and Instruction (3 credits)

This course addresses the application of literacy instructional techniques acquired in previous coursework as well as the mastery of assessment theory in practice. Formal, informal, and portfolio assessment are addressed to prepare pre-service teachers to assess the needs of their students and plan effective instruction. Methods and materials are examined and selected that are congruent with the findings of that assessment. Developmentally appropriate based instructional strategies are integrated throughout the course.

ECE 302 Science Theory and Instruction (3 credits)

Provides an overview of curriculum reform affecting contemporary elementary science education. Standards addressed include: National Science Education Content K-8 Standards, PDE Science and Technology Standards, Standards for Environment and Ecology, and the PDE Standards for Health, Safety, and Physical Education. Prepares teachers for effective elementary science instruction in the 21st Century.

ECE 303 Mathematics Theory and Instruction (3 credits)

Prerequisite: Enrolled in ECE Pathway program.

This course is based on the principles of developmentally appropriate practice to provide a theoretical and research-based foundation for the teaching of numbers & operations, algebra, geometry, measurement and data. This course uses the NCTM, PA Core standards and the PDE Program Guidelines as keys to developing effective instructional techniques.

ECE 304 Social Studies Theory and Instruction (3 credits)

Prerequisite: Enrolled in ECE Pathway program.

Course provides a theoretical research-based foundation for those preparing to teach social studies to children. Using the National Council for Social Studies Standards and PDE Program Specific Guidelines, the course is structured around key concepts in civics, government, geography, environment, history, economics, anthropology, and archeology.

ECE 310 Language Arts Theory and Instruction (3 credits)

This course will address teaching Language (listening, speaking, reading, writing) Arts and the involvement in and development of standards-based lesson plans focusing on Structured Literacy, Reading Comprehension and Writing Development, with an intentional focus on student engagement/learning strategies.

EDU 303 Meeting the Needs of English Language Learners (3 credits)

Prerequisite: Enrolled in ECE Pathway program. Field hours required

Enables classroom teachers to provide effective instruction for English Language Learners so that they develop English Language Proficiency and achieve the Pennsylvania Academic Standards. Course will enable teachers to accommodate English Language Learners and adapt instruction for them in an inclusive setting. This course studies language as a system.

ESP 203 Foundations in Inclusive Education for All Learners (3 credits)

Field hours required

Provides introductory information about special education and its role in facilitating education for students with disabilities in grades PreK-12. Topics include history, litigation, legislation, typical and atypical development, and identification of exceptionalities identified by IDEA. Inclusion, funding, diversity, and labeling issues explored.

ESP 206 Collaboration and Assessment Practices to meet the Needs of All Learners (3 credits)

Provides introduction to the collaborative process of identifying and assessing students in the PreK-12 general education classrooms who may have the need for more intensive or individualized instruction. The focus is on Academic and Behavioral Development/Assessment, components and development of the IEP process, and MTSSs.

ESP 304 Collaboration and Best Practice Design (3 credits)

Prerequisite: Enrolled in ECE Pathway program.

Focuses on the collaborative process and collaborative models of delivering effective instruction in the PreK-12 classroom. Taking an Evidence Based Practice perspective, this course moves from Universal Design for Learning as a primary design and organization mechanism to approaches such as Differentiated Instruction, Positive Behavior Supports, and Progress Monitoring.

ESP 308 Positive Management Strategies in Special Education (3 credits)

Prerequisite: Enrolled in ECE Pathway program.

Focuses on theoretical concepts supported by positive behavioral support literature with classroom application in the PreK-12 classroom. Course covers positive, proactive classroom management strategies and management of students who exhibit behavioral difficulties including crisis prevention, data collection, technology assisted planning, ethical considerations.

ESP 405 Enhancing Communication & Literacy through Technology (3 credits)

Prerequisite: Enrolled in ECE Pathway program.

This course introduces students in the initial certification program to the definitions of and connections between communication and literacy for Pre-K-12 students who experience disabilities. Students will be introduced to computer and assistive technologies and augmentative communication and their roles in supporting students in increasing their communication and literacy capacities.

ESP 407 Assess & Instruct Design in Special Ed (3 credits)

Prerequisite: Enrolled in ECE Pathway program.

Prepares students to develop learning environments in grades PreK-12 which foster positive social interactions and to plan and implement data-based instructional strategies. Focuses on developing Specially Designed Instruction and intensive interventions in all academic areas with an emphasis in literacy skills. Integrates relevant technologies to support assessment and instruction.

ESP 408 Family and Consultative Models (3 credits)

Designed to be taken with Student Teaching, this course focuses on the family and the roles they play in effective school programming which is consistent with legal mandates and evidence-based practice in PreK-12 Programs. Consultative models of service delivery are also examined.

ESP 409 Include Stud w/Significant Support Needs (3 credits)

Prerequisite: Enrolled in ECE Pathway program.

Focuses on assessment, management and instructional support needs of individuals with significant disabilities from PreK-12th grade. Topics include deinstitutionalization, systematic instructional strategies, positive behavioral support, Universal Design for Learning, task analysis, functional assessment, data-based training strategies and use of assistive devices.

ESP 410 Secondary School transition (3 credits)

Prerequisite: Enrolled in ECE Pathway program.

This course focuses on Transition as a defined and critical aspect of special education for students in secondary education. Various components will be explored, including rationale, legal requirements, and the impact on regular

education, inclusion and community-based education. Self-determination, self-advocacy, and student/family involvement will be critical areas addressed.

Economics Courses

ECON 203 Economic Theory - Micro (3 credits)

Study of the U.S. economy with emphasis on analysis of the market system, the theory of consumer behavior, economic problems of the business firm, and international trade and payments.

ECON 204 Economic Theory - Macro (3 credits)

Study of the U.S. economy with emphasis on stabilization policies relating to employment theory, inflation, fiscal and monetary policies, and global economic concerns.

Education Courses

EDEC 115 Foundations of Education (3 credits)

Foundations of Education provides students who are considering a career in education with introductory information about education in the 21st-century. Students will explore education from the perspective of its place within a diverse society, taking into consideration historical and philosophical developments that impact on one's view of teaching. Through interactive classroom experiences, students will gain an understanding of the role of the teacher in today's classroom. Themes of study include: teacher as advocate and understanding of individual differences; foundation of education; ethical and legal issues; the establishment of collaboration for effective practice; accountability; the use of technology in the classroom to enhance teaching and learning professionalism.

EDEC 201 Introduction to Early Childhood Education (3 credits)

This course will develop basic knowledge, skills, and attitudes in students preparing to teach children in PK through grade four. Students will develop their understanding of the field of early childhood education, the work that practitioners do with young children, and the theories that serve as the base for that work including historical, social, and cultural perspectives. Central to this course is the understanding that developmentally appropriate practice involves teaching and learning as an integrated activity, taking place through children's play and investigations. The diverse needs of young children and their families are examined. Early childhood education is presented as a process involving children, families, school, and the community. Integral to the course are connections to practice through research and classroom experiences.

EDEC 202 Child Development and Learning (3 credits)

Field experiences required.

This course covers the development of children from conception through adolescence across all developmental domains (physical growth and motor skills, cognition and language and social and emotional development). It will include an in-depth exploration of theories of child development and issues of major importance in child development and learning. Content from research, personal experiences, and observations will be covered. The varied influences on the development and learning of the whole child will be considered, and content from research, observations, and life experiences will be addressed. Field experiences required.

EDEC 203 Early Language and Literacy (3 credits)

This course combines theoretical background with practical applications to prepare students for their role in early childhood education. Through connections to classroom experiences, students will have opportunities to observe young children and note their progress toward the achievement of developmental milestones. Instructional activities will focus upon language development as well as the development of concepts about print and literacy.

EDEC 205 Theory and Practice in Educational Psychology (3 credits)

Field experience required

The goal of this course is to provide a foundation on which to build knowledge of learners, learning, and teaching, in an effort to understand and improve the teaching and learning process. The course encompasses theories and principles related to learning and motivation, child development, individual and group differences as well as assessment, and more specifically how such topics relate to teaching. Instructional activities focus on principles of effective teaching and learning based upon current research. It is designed as an introductory level course that provides a basic understanding of teaching and learning and provides the groundwork for further educational coursework.

EDEC 206 Engaging Learners through the Arts (3 credits)*Field experience required*

This course expands students' understanding of basic techniques and methods for planning, teaching, and assessing learning experiences for children in PreK through grade four. The course has two major goals. The first is to familiarize pre-service teachers with the interplay between effective lesson planning, establishment of a classroom environment, and successful execution of a lesson. The second goal is to explore the role of creativity and the arts in learning. The assignments combine these goals through the development and implementation of arts-based lessons in a field setting. The course further develops students' understanding of the teaching profession through the reflection on one's practice and engagement with families.

EDEC 301 Literacy Assessment and Instruction (3 credits)*Prerequisite: Formal admission to the School of Education*

Literacy Assessment and Instruction addresses the application of literacy instructional techniques acquired in previous coursework as well as the mastery of assessment theory in practice. Formal, informal, and portfolio assessment are addressed in order to prepare pre-service teachers to assess the needs of their students and plan effective instruction. Methods and materials are examined and selected that are congruent with the findings of that assessment. Developmentally appropriate based instructional strategies are integrated throughout the course.

EDEC 302 Science and the Young Child (3 credits)*Prerequisites: Formal admission to the School of Education*

Provides an overview of the curriculum reform affecting contemporary elementary science education. Standards addressed include: National Science Education Content K-8 Standards, PDE Science and Technology Standards, Standards for Environment and Ecology, and the PDE Standards for Health, Safety, and Physical Education. Prepares teachers for effective elementary science instruction in the 21st Century.

EDEC 303 Mathematics Theory and Instruction (3 credits)*Prerequisites: Formal admission to the School of Education*

This course is based on the principles of developmentally appropriate practice to provide a theoretical and research-based foundation for the teaching of numbers & operations, algebra, geometry, measurement and data. This course uses the NCTM, PA Core standards and the PDE Program Guidelines as keys to developing effective instructional techniques.

EDEC 304 Social Studies and the Young Child (3 credits)*Prerequisites: Formal admission to the School of Education**Field Experience Required*

Course provides a theoretical research-based foundation for those preparing to teach social studies to young children. Using the National Council for Social Studies Standards and the PDE Program Specific Guidelines for Pre K-4, course is structured around key concepts in civics, government, geography, environment, history, economics, anthropology, and archeology.

EDEC 310 Language Arts Theory and Instruction (3 credits)

This course will address teaching Language (listening, speaking, reading, writing) Arts and the involvement in and development of standards-based lesson plans focusing on Structured Literacy, Reading Comprehension and Writing Development, with an intentional focus on student engagement/learning strategies.

EDEC 311 Theory and Practicum I (1 credit)*Prerequisites: Formal admission to the School of Education*

In this course, students will conduct field experiences at selected school sites within the PreK-4 grade band. Observation and analysis activities are integrated with campus coursework and assignments. Clinical experience through selected tutorial and assisting activities and through initial teaching, assessing, and managing responsibilities is obtained. Focus is placed on planning, management, and assessment. Students will conduct one practicum in the PreK-1 grade band and one practicum in the 2-4 grade band.

EDEC 312 Theory and Practicum II (1 credit)*Prerequisites: Formal admission to the School of Education*

In this course, students will conduct field experiences at selected school sites within the PreK-4 grade band. Observation and analysis activities are integrated with campus coursework and assignments. Clinical experience through selected tutorial and assisting activities and through initial teaching, assessing, and managing responsibilities is obtained. Focus is placed on planning, management, and assessment. Students will conduct one practicum in the PreK-1 grade band and one practicum in the 2-4 grade band.

EDEC 401 Student Teaching (12 credits)

Provides students with the opportunity to integrate and apply theoretical constructs of the teaching learning experience. Students apply PDE's Program Specific Guidelines for Pre K-4 in the planning, implementation, modification, and assessment of curriculum for young children. Develops skills in communicating with and working with families and school personnel in support of children's learning. On campus meetings will discuss the nature of the professional experience and job-related issues.

EDEC 425 Summative Field Experience for PreK-4 (12 credits)

Prerequisites: Formal admission to the School of Education

This course provides replacement credits for students who are unable to complete the student teaching experience successfully. The course is available only to students who are unable to complete student teaching, on the recommendation of the Field Placement Coordinator and with the approval of the Associate Dean of the School of Education.

EDSP 203 Foundations in Inclusive Education for All Learners (3 credits)

Field hours required.

Provides introductory information about special education and its role in facilitating education for students with disabilities in grades PreK-12. Topics include history, litigation, legislation, typical and atypical development, and identification of exceptionalities identified by IDEA. Inclusion, funding, diversity, and labeling issues explored.

EDSP 206 Collaboration and Assessment Practices to Meet the Needs of All Learners (3 credits)

Provides introduction to the collaborative process of identifying and assessing students in the PreK-12 general education classrooms who may have the need for more intensive or individualized instruction. The focus is on Academic and Behavioral Development/Assessment, components and development of the IEP process, and MTSSs.

EDSP 304 Collaboration and Best Practice Designs to Meet the Needs of All Learners (3 credits)

Prerequisites: Formal admission to the School of Education - EDSP 206

Focuses on the collaborative process and collaborative models of delivering effective instruction in the PreK-12 classroom. Taking an Evidence Based Practice perspective, this course moves from Universal Design for Learning as a primary design and organization mechanism to approaches such as Differentiated Instruction, Positive Behavior Supports, and Progress Monitoring.

EDSP 308 Positive Management Strategies in Special Education (3 credits)

Prerequisites: Formal admission to the School of Education

Focuses on theoretical concepts supported by positive behavioral support literature with classroom application in the PreK-12 classroom. Course covers positive, proactive classroom management strategies and management of students who exhibit behavioral difficulties including crisis prevention, data collection, technology assisted planning, ethical considerations.

EDSP 350 Theory & Special Education Practicum I (1 credit)

Prerequisite: Formal admission to the School of Education

In this course students experience field experiences at selected school sites and in elementary grade levels. Observation and analysis activities are integrated with campus coursework and assignments. Pre-service teachers gain experience through initial teaching, assessing, and managing responsibilities. Focus is placed on planning, management and assessment.

EDSP 351 Theory & Special Education Practicum II (1 credit)

Prerequisite: Formal admission to the School of Education

In this course students experience field experiences at selected school sites and in secondary grade levels. Observation and analysis activities are integrated with campus coursework and assignments. Pre-service teachers gain experience through initial teaching, assessing, and managing responsibilities. Focus is placed on planning, management and assessment.

EDSP 405 Enhancing Communication and Literacy through Technology (3 credits)

Prerequisites: Formal admission to the School of Education

This course introduces students in the initial certification program to the definitions of and connections between communication and literacy for PreK-12 students who experience disabilities. Students will be introduced to computer and assistive technologies and augmentative communication and their roles in supporting students in increasing their communication and literacy capacities.

EDSP 406 Student Teaching SPED/PreK-4 (12 credits)

Prerequisites: Formal admission to the School of Education

Provides the opportunity to integrate and apply theoretical constructs of the teaching and learning process as well as child development theory and information regarding exceptionalities. A collaborative experience with the student teacher receiving support from the cooperating teacher and a college supervisor. Requires attendance at periodic seminar classes on campus.

EDSP 407 Assessment and Instructional Design in Special Education (3 credits)

Prerequisites: Formal admission to the School of Education, EDSP 203, EDSP 304

Prepares students to develop learning environments in grades PreK-12 which foster positive social interactions and to plan and implement data-based instructional strategies. Focuses on developing Specially Designed Instruction and intensive interventions in all academic areas with an emphasis in literacy skills. Integrates relevant technologies to support assessment and instruction.

EDSP 408 Family and Consultative Models (3 credits)

Prerequisites: Formal admission to the School of Education

Designed to be taken with Student Teaching, this course focuses on the family and the roles they play in effective school programming which is consistent with legal mandates and evidence-based practice in PreK-12 Programs. Consultative models of service delivery are also examined.

EDSP 409 Including Students with Significant Support Need (3 credits)

Prerequisites: Formal admission to the School of Education

Focuses on assessment, management and instructional support needs of individuals with significant disabilities from PreK-12th grade. Topics include deinstitutionalization, systematic instructional strategies, positive behavioral support, Universal Design for Learning, task analysis, functional assessment, data-based training strategies and use of assistive devices.

EDSP 410 Secondary School Transition: Process and Issues (3 credits)

Prerequisites: Formal admission to the School of Education

This course focuses on Transition as a defined and critical aspect of special education for students in secondary education. Various components will be explored, including rationale, legal requirements, and the impact on regular education, inclusion and community-based education. Self-determination, self-advocacy, and student/family involvement will be critical areas addressed.

EDSP 420 Student Teaching-Special Education PreK-12 (12 credits)

Prerequisites: Formal admission to the School of Education. Must take EDSP-408 concurrently.

This is the student teaching course for students pursuing the Special Education PreK-12 stand-alone certification. Provides the opportunity to integrate and apply theoretical constructs of the teaching and learning process as well as child and adolescent development theory and information regarding exceptionalities. A collaborative experience with the student teacher receiving support from the cooperating teacher and college supervisor. Requires attendance at periodic seminar classes on campus.

EDSP 425 Summative Field Experience for EDSP/PreK-4 (12 credits)

Prerequisites: Formal admission to the School of Education

This course provides replacement credits for students who are unable to complete the student teaching experience successfully. The course is available only to students who are unable to complete student teaching, on the recommendation of the Field Placement Coordinator and with the approval of the Associate Dean of the School of Education.

EDUC 205 Teaching Reading in the Content Areas (3 credits)

Course designed to help pre-service teachers understand the reading process and its application to teaching in the content areas. A theoretical base formulated from which congruent classroom instruction emerges. A variety of instructional techniques and strategies to provide a strong repertoire for creating effective instruction for all children.

EDUN 201 Educational Psychology (3 credits)

Prerequisite: PSYC 206

Field hours required.

Provides the foundation on which to build knowledge of learners, learning and teaching, to understand and to improve the teaching and learning process. Encompasses theories and principles related to learning and motivation, child and adolescent development, individual and group differences and assessment, and how such topics relate to teaching.

EDUN 301 Family & Community Collab for SEBW (3 Credits)

Provides a framework for engaging and collaborating with community organizations, agencies and families to support school-age youth in the development and maintenance of social, emotional and behavioral wellness. 15 hours of field related experience is required and includes possible site visits or guest speakers. Clearances are not required.

EDUN 302 Foundations of Social & Emotional Learning (3 Credits)

Provides an introduction to social emotional learning and development for children and youth (grades PK-12) and examines evidence-based school initiatives to support social, emotional and behavioral wellness. Additionally, the course provides an overview of adverse childhood experiences (ACEs) and the impact that such experiences and conditions can have on growth, development, and learning of children and adolescents 15 hours of field experience is required and includes Youth Mental Health First Aid Training as well as training in QPR, a suicide prevention strategy. No Clearances are required. Additional course information: A lab fee is required to cover the cost of the Youth Mental Health First Aid training.

EDUN 303 Meeting the Needs of English Language Learners (3 credits)

Prerequisite: Formal admission to the School of Education –10-hour field-based observation required.

Enables classroom teachers to provide effective instruction for English Language Learners so that they develop English Language Proficiency and achieve the Pennsylvania Academic Standards. Course will enable teachers to accommodate English Language Learners and adapt instruction for them in an inclusive setting. This course studies language as a system.

EDUN 308 Positive Management Strategies (3 credits)

Prerequisite: Formal admission to the School of Education

Focuses on theoretical concepts supported by the positive behavioral support literature with classroom application in theoretical settings and classrooms. Course covers positive, proactive management strategies to include: crisis prevention strategies, data collection, completion of Functional Assessment and Behavior Intervention planning as well as ethical considerations in behavior management. This course does not meet requirements for PDE teacher certification.

EDUN 315 Practicum I (Field Experience/Mentorship) (1 credit)

Prerequisite: Formal admission to the School of Education

Supervised field experiences at selected school sites and varied grade levels; observation and analysis activities integrated with campus coursework and assignments; clinical experience through selected tutorial and assisting activities and through initial teaching and managing responsibilities.

Telescoped Practicum: Telescoped Practicum may be approved (a minimum of ten consecutive days) under certain conditions. Telescoped Practicum is an exception, not an option, for full-time students. Contact the Field Placement Office for additional information.

EDUN 316 Practicum II (Field Experience/Mentorship) (1 credit)

Prerequisite: Formal admission to the School of Education

Continuation of supervised field experiences at selected school sites and varied grade levels; observation and analysis activities are integrated with campus coursework and assignments; clinical experience through selected tutorial and assisting activities and through initial teaching and managing responsibilities.

Telescoped Practicum: Telescoped Practicum may be approved (a minimum of ten consecutive days) under certain conditions. Telescoped Practicum is an exception, not an option, for full-time students. Contact the Field Placement Office for additional information.

EDUN 320 Classroom Management (3 credits)

Prerequisite: Formal admission to the School of Education

Assists pre-service teachers in the examination of models for effective classroom management based on theoretical approaches. Field practicum experience provides students with practical experiences and approaches for dealing with classroom organization and management. Emphasis placed on students' analysis of classroom management issues. Develops an awareness of instructional activities with library/internet research-based assignments.

EDUN 331 General Methods and Technology (3 credits)

Prerequisite: Formal admission to the School of Education

Designed to prepare prospective teachers in the art and science of teaching. Course focuses on planning, lesson design, classroom management, motivation, learning styles, teaching/thinking models, teaching techniques, differentiated instructions, and evaluation. Use of technology as a learning/presentation tool is an integral part of activities and assignments.

EDUN 332 Education Methods and Curriculum in the Content Area (3 credits)

This course is a supplement to EDUN 331 and is designed to enhance and apply the skills acquired in that course. The focus of the course will be on the study and application of learning theory, instructional strategies and daily and unit lesson planning.

EDUN 333 Citizen Science (3 credits)

The course seeks to address the essential questions: What is the role of everyday people in contributing to scientific literacy for all? How does a science inquiry lens inform citizenship?

EDUN 408 Secondary Education Student Teaching (8 credits)

Secondary Education Student Teaching is a full-time, semester-long laboratory experience designed to be a carefully sequenced, professionally guided assignment in a secondary-level school classroom. As a clinical experience, teaching internship is intended to provide the prospective teacher with the opportunity to observe, work cooperatively with, and learn from practicing professionals in the field. The primary objective is to have the student gradually assume teaching responsibilities in a supportive and supervised environment. A secondary objective is to provide the student with opportunities to learn about and participate in the full range of activities associated with the larger school context. These experiences together replicate in large measure the role and responsibilities of professional teachers. Restricted to those accepted to the School of Education and with a declared major in a secondary or PreK-12 education major.

EDUN 410 Secondary Education: Student Teaching Seminar (1 credit)

In this weekly seminar, teaching interns will process and review their experiences in the field. Students will identify and address field-related problems, identify connections between theory and practice, and explore teaching as a profession. Restricted to those accepted to the School of Education and with a declared major in a Secondary or PreK-12 Education area. This seminar must be taken concurrently with EDUN 408: Secondary Education Student Teaching.

EDUN 412 Student Teaching: Secondary Education (6 credits)

Prerequisite: Formal admission to the School of Education - Completion of all Education Program Requirements;

In tandem with Senior Seminar, course provides students with the opportunity to integrate and apply theoretical constructs of the teaching-learning process, full-time for an entire semester. Collaborative experience with the student teacher receiving support from both cooperating teachers and a university supervisor.

EDUN 420 Teaching Internship Seminar (1 credit)

In this weekly seminar, teaching interns will process and review their experiences in the field. Students will identify and address field-related problems, identify connections between theory and practice, and explore teaching as a profession. Restricted to those accepted to the School of Education and with a declared minor in Secondary Teaching Practice.

EDUN 421 Teaching Internship (6 credits)

Teaching Internship is a full-time, semester-long laboratory experience designed to be a carefully sequenced, professionally guided assignment in a secondary-level school classroom. As a clinical experience, teaching internship is intended to provide the prospective teacher with the opportunity to observe, work cooperatively with, and learn from practicing professionals in the field. The primary objective is to have the student gradually assume teaching responsibilities in a supportive and supervised environment. A secondary objective is to provide the student with opportunities to learn about and participate in the full range of activities associated with the larger school context. These experiences together replicate in large measure the role and responsibilities of professional teachers. Restricted to those accepted to the School of Education and with a declared minor in Secondary Teaching Practice.

EDUN 425 Summative Field Experience for Secondary Education (6 credits)

Prerequisites: Formal admission to the School of Education

This course provides replacement credits for students who are unable to complete the student teaching experience successfully. The course is available only to students who are unable to complete student teaching, on the recommendation of the Field Placement Coordinator and with the approval of the Associate Dean of the School of Education.

Emergency Medical Services and Leadership**EMSL 110: Foundation of Emergency Care (3 credits)**

This foundational course introduces students to the core principles, practices, and systems of emergency medical services (EMS). Students will explore basic patient assessment techniques, emergency care protocols, and the

operational, ethical, and legal considerations in pre-hospital care. Emphasis is placed on teamwork, communication, and decision-making under pressure.

EMSL 112 Cardiac/Respiratory Emergencies (3 credits)

Prerequisite: EMSL 110

Co/Prerequisite: EMSL 120

This course focuses on the assessment, management, and treatment of cardiac and respiratory emergencies in the pre-hospital environment. Students will learn to recognize the signs and symptoms of common cardiovascular and respiratory conditions, including acute myocardial infarction, congestive heart failure, arrhythmias, asthma, chronic obstructive pulmonary disease (COPD), and respiratory failure. Emphasis will be placed on clinical decision-making, rapid assessment, and coordinated care to improve patient outcomes in critical situations.

EMSL 113 Special Populations& Situations (1 credits)

Prerequisite: EMSL 110

Co/Prerequisite: EMSL 120

This course is designed to provide EMS professionals with the knowledge and skills needed to effectively manage emergency situations involving special populations and unique circumstances. Students will explore the specific needs and challenges of different patient populations, including pediatric, geriatric, obstetric, and psychiatric patients, as well as those with special healthcare needs such as chronic illnesses, disabilities, and language barriers. The course will also cover responding to emergencies in complex situations such as mass casualty incidents, disasters, and hazardous materials exposures.

EMSL 114 Adult Medical Emergencies (3 credits)

Prerequisite: EMSL 110

Co/Prerequisite: EMSL 120

This course focuses on the assessment, management, and treatment of medical emergencies in adult patients. Students will explore the pathophysiology, clinical presentation, and evidence-based treatment strategies for common medical conditions encountered in the pre-hospital setting, including cardiovascular, respiratory, neurological, metabolic, and infectious emergencies. The course emphasizes rapid decision-making, effective communication, and teamwork in high-pressure environments to optimize patient outcomes.

EMSL 120 Emergency Response BLS-AED-First Aid (3 credits)

This course provides foundational training for emergency response in pre-hospital care, focusing on Basic Life Support (BLS), Automated External Defibrillator (AED) usage, and First Aid. Students will learn essential life-saving techniques to provide immediate care for victims of cardiac arrest, respiratory distress, trauma, and medical emergencies. The course emphasizes the recognition of emergencies, the proper use of BLS protocols, effective CPR techniques, and how to use an AED to treat sudden cardiac arrest. Students will be trained in first aid for common injuries and medical conditions, including bleeding, burns, fractures, and allergic reactions.

EMSL 300 Assess Based MGMT (4 credits)

Prerequisite: EMSL 110

Co/Prerequisite: EMSL 120

This course focuses on the critical skill of assessment-based management in emergency medical services (EMS). Students will learn to conduct thorough patient assessments and apply clinical reasoning to manage medical and trauma emergencies effectively. Emphasis will be placed on developing systematic approaches for patient evaluation, including history taking, physical examination, vital signs assessment, and diagnostic tools to form an accurate clinical impression.

EMSL 200 Medication Administration (1 credit)

Prerequisite: EMSL 110

Co/Prerequisite: EMSL 120

This course is designed to equip EMS providers with the knowledge and skills necessary to safely and effectively administer medications in the pre-hospital setting. Topics covered include the principles of pharmacology, medication classifications, routes of administration, dosages, and common medications used in emergency care. Students will gain a thorough understanding of the safe administration of medications, including the importance of correct dosages, timing, and routes, as well as the recognition and management of potential side effects and drug interactions. The course also emphasizes the legal and ethical aspects of medication administration, documentation, and the responsibility of EMS providers in ensuring patient safety.

EMSL 210 EMS Operations (3 credits)

Prerequisite: EMSL 110

Co/Prerequisite: EMSL 120

This course provides a comprehensive overview of the principles and practices of EMS operations, focusing on the critical elements necessary for effective and efficient emergency medical service delivery. Students will explore topics including incident command systems, scene safety, triage, patient transport, communication protocols, and the integration of EMS with other public safety and healthcare systems. The course covers the logistics and operational procedures essential to managing emergencies, including mass casualty incidents, disaster response, and the coordination of EMS resources during large-scale events. Through practical exercises, scenario-based learning, and case studies, students will develop the skills necessary to lead and manage complex emergency situations and ensure the safety of patients and EMS teams.

EMSL 400 EMS Managing HC/Leadership (3 credits)

Prerequisite: EMSL 110, EMSL 120, EMSL 114

This course is designed to equip EMS professionals with essential leadership and management skills needed to effectively lead and manage healthcare teams in high-stress, fast-paced emergency environments. Students will learn key concepts of leadership, team dynamics, and decision-making to enhance their ability to provide direction, foster collaboration, and ensure quality patient care. Topics covered include communication strategies, conflict resolution, motivation techniques, and team building, as well as the role of leadership in patient safety, resource management, and operational efficiency. Students will explore the leadership challenges unique to EMS settings, including managing diverse teams, prioritizing tasks under pressure, and adapting to evolving situations. Practical exercises, case studies, and role-playing will provide opportunities to develop and refine leadership skills in real-world scenarios.

EMSL 405 OB/GYN, Newborn/Peds Care (3 credits)

Prerequisite: EMSL 110, EMSL 120, EMSL 114

This specialized course provides EMS professionals with the knowledge and skills necessary to effectively manage obstetric, gynecological, neonatal, and pediatric emergencies in the pre-hospital environment. Students will explore the unique physiological and developmental aspects of these populations, learning how to assess, stabilize, and transport patients in obstetric labor, delivery, gynecological emergencies, and pediatric medical or trauma situations. Key topics include the management of childbirth, complications during labor, neonatal resuscitation, pediatric trauma and medical emergencies, and common OB/GYN conditions requiring emergency intervention.

EMSL 410: EMS Critical Care Medicine

Prerequisite: EMSL 110, EMSL 120, EMSL 114, EMSL 112

This advanced course provides EMS providers with specialized knowledge and skills for managing critically ill and injured patients in the pre-hospital setting. Focusing on the application of critical care principles in emergency medical services, students will learn to assess, treat, and stabilize patients with life-threatening conditions, including severe trauma, cardiovascular emergencies, respiratory failure, and neurological crises. The course covers advanced airway management, pharmacological interventions, and the use of high-acuity medical equipment such as ventilators, cardiac monitors, and infusion pumps.

EMSL 411 EMS Clinical Practice (3 credits)

Prerequisites: EMSL 110, EMSL 120, EMSL 114, EMSL 112, EMSL 113, EMSL300, EMSL 200, EMSL 210, EMSL 410, EMSL 400, EMSL 405

Co/Prerequisite: EMSL 420

The EMS Clinical Practice course is designed to provide students with hands-on experience in a real-world EMS environment, where they can apply the theoretical knowledge and skills learned in the classroom to actual patient care situations. Under the supervision of experienced preceptors, students will work in various healthcare and emergency settings, including ambulances, emergency departments, and other clinical environments. The course focuses on developing clinical competence in patient assessment, decision-making, treatment protocols, and effective communication with patients, families, and healthcare teams.

EMSL 420 Clinical Judgment & Decision Making (2 credits)

Prerequisites: EMSL 110, EMSL 120

This course is designed to enhance the critical thinking, clinical judgment, and decision-making skills necessary for effective patient care in the EMS environment. Students will explore the process of assessing emergency situations, forming clinical impressions, and making evidence-based decisions in high-pressure, time-sensitive conditions. Emphasis will be placed on developing the ability to prioritize patient needs, evaluate risks and benefits of various interventions, and apply appropriate protocols and treatment options based on the clinical scenario.

English Courses

ENGL 100 Reading in the Disciplines (3 credits)

This course will help students increase their ability to read and think critically through the engagement with texts from a variety of academic disciplines. Students will develop language awareness, systematic and critical reading strategies and the ability to analyze a text.

ENGL 101 Writing I (3 credits)

A rhetorically based writing course that introduces students to academic writing. Students apply reading and writing processes as well as summary, analysis, synthesis, and evaluation to texts representative of readings from a variety of academic disciplines.

ENGL 102 Writing II (3 credits)

Prerequisite: ENGL 101

A course in writing that continues the development of reading and writing skills initiated in Writing I. Emphasis is on research technique. Instruction in the development of the research paper, from topic selection to the final draft.

ENGL 103 HNR Honors Writing I (3 credits)

Placement by Honors Program admissions

Intended for the advanced writer. Emphasis on refining critical writing and thinking skills through a variety of challenging texts.

ENGL 104 HNR Honors Writing II (3 credits)

Placement by Honors Program admissions

Prerequisite: ENGL 103

Intended for the advanced writer. Further emphasis on academic writing with focus on research methods including evaluation and syntheses of primary and secondary sources and MLA citation method.

ENGL 115 Public Speaking (3 credits)

This course develops the communication skills necessary for effective oral communication in both academic and professional settings. Emphasis is placed upon building self-confidence, organizing messages, and making presentations, oral and written self-and peer-critiquing; individual attention as needed.

ENGL 115 HNR Honors Public Speaking (3 credits)

Placement by Honors Program admissions

This course develops the communication skills necessary for effective oral communication in both academic and professional settings. Emphasis is placed upon building self-confidence, organizing messages, and making presentations, oral and written self-and peer-critiquing; individual attention as needed.

ENGL 207 Introduction to Literary Study (3 credits)

A foundational course for English majors, focusing on research in English, literary terminology, basic literary theory, and the historical, social, and philosophical movements applicable to literature. Critical thinking skills in literature are emphasized.

ENGL 209 Creative Writing (3 credits)

Intensive examination of the writing process and the dynamics of composing. Focuses on the interrelated aspects of writer, subject, reader, and form as these aspects pertain to creative writing. Analysis of the creative forms of writing, such as short story, drama, nonfiction, and poetry. Workshop assignments provide experiences in critical evaluation and editing.

ENGL 216 Professional and Technical Writing (3 credits)

Prerequisite: ENGL 102 or ENGL 104

This course is designed to help students develop and refine the written and oral communication skills necessary to communicate effectively in a business environment through the planning, composing, and evaluating of written communication, report writing, and oral presentations. Additional focus will be placed on interpersonal skills, mechanics of writing, team participation skills, and professionalism.

ENGL 217 Mythology (3 credits)

Study of World Mythology extends from one of the earliest pieces of world literature such as "The Epic of Gilgamesh" to the current mythology of the 21st century. Included are myths from Japan, China, Sumer, Egypt, Guinea, North and South America, and India as well as the classic Greek, Roman, and Norse myths.

ENGL 220 British Literature (3 credits)

This course explores works of literature that are representative of the unique periods that make up the British literary tradition. Students examine how historical and literary contexts shape the content and form of literature in the distinct eras in the British literary tradition and how authors, in turn, respond to their cultural moments through literature. Students will hone close reading skills as well as analytical and creative writing skills.

ENGL 225 American Literature (3 credits)

This course explores the development of American literature through distinct historical periods and regions, examining how place and time shape cultural identity. From colonial narratives to modern works, students will analyze how geography, social movements, and historical events influenced major authors and literary trends across the United States.

ENGL 228 Non-Western Literature (3 credits)

This course explores literary works from diverse cultural traditions outside the Western canon. The course aims to broaden students' understanding of the rich literary heritage and cultural perspectives of these underrepresented literary traditions and illustrate their importance to contemporary culture.

ENGL 230 Journalism I (3 credits)

The emphasis will be on web news content, methods of gathering news, and the revision and organization of news and feature stories. We also will discuss significant news events, libel, and ethics. The class will be responsible for publishing HFU's newspaper *Tri-Lite*.

ENGL 235 Understanding Movies (3 credits)

Exploration of American feature films. Examination of the cinematic and thematic elements of movies. Study of the evolution of genre and non-genre films within larger cultural contexts in which they are produced. Screening of films.

ENGL 240 Diversifying the High School Canon (3 credits)

An exploration of literary depictions of a common high school canon theme across various cultural and historical contexts. Emphasizes reading and analyzing texts as well as building relationships between writing and its cultural context. Intended to hone students' reading and writing skills and support future curricular work as educators.

ENGL 241 Introduction to Literature (3 credits)

Exploration of a theme, major author, genre, movement, etc. Courses vary in content from year-to-year.

ENGL 242 The Short Story (3 credits)

Exploration of the short story as an art form and as a reflection of the human condition. Consideration given to short fiction from different periods and diverse cultures.

ENGL 245 Modern American Novel (3 credits)

Examination of modern novels that reveal through their form and content the moral, ethical, and spiritual conflicts inherent in the American experience.

ENGL 246 Literature of Terror (3 credits)

This course explores how literature generates terror through atmosphere, the uncanny, and the monstrous. Students will examine texts that evoke fear, dread, and psychological unease, analyzing how cultural, historical, and emotional anxieties are reflected in narratives of the supernatural, the unknown, and the unsettling.

ENGL 247 Irish Literature (3 credits)

Study of modern Irish works, their relation to Ireland's literary and historical past, and their portrayal of Irish character and culture.

ENGL 248 Modern Drama (3 credits)

Examination of representative plays of the modern era through print and film. Emphasis on movements and counter-movements in the drama from the late 19th century to the present.

ENGL 257 Coming of Age in Fiction (3 credits)

Exploration of the maturation theme in fiction. Emphasis on the handling of this theme in classic and realistic modern novels, as well as in horror and fantasy fiction.

ENGL 263 American Studies (3 credits)

A multi-disciplinary course that will look at America (which shares geographic but not temporal borders with the United States) from a variety of perspectives: architecture, art, film, history, literature, music, religion, and television.

Students will study the ideas and values by which people interpret and find meaning in their lives, using perspectives of race, religion, gender, class, and diversity. Emphasis will be placed on students' analytical skills, close reading practices, and critical thinking.

ENGL 265 Contemporary Fiction (3 credits)

Exploration of form and content in postmodern fiction. Consideration given to questions of gender and culture, as well as to the psychological, sociological, political, and spiritual content of assigned novels.

ENGL 266 Love in Modern Fiction (3 credits)

Investigation of the theme of love and its aberrations in modern fiction. Emphasis on the differing ways authors express their visions of this abstract and complex concept through both the form and content of their works.

ENGL 275 Literary Publishing (3 credits)

Intensive examination of literary editing and publishing, with a focus on online publications of poetry, fiction, and creative non-fiction. Instruction in use of submittable and Squarespace platforms will inform student participation in Folio's editorial processes. Students will compose and disseminate submissions of creative writing, book reviews, or interviews to literary journals.

ENGL 302 Shakespeare (3 credits)

Examination of Shakespeare as poet and playwright. Concentrated reading of selected plays and previewing of selected films against the background of the Elizabethan age.

ENGL 305 Seventeenth-Century Literature (3 credits)

Study of representative British writers of the 17th century. Emphasis on the Jacobean drama, metaphysical poets and Milton.

ENGL 306 Eighteenth-Century Literature (3 credits)

Investigation of literary productions in the Age of Reason from the beginnings of Neo-Classicism through Pre-Romanticism with emphasis on the philosophic mindset and satiric spirit. Consideration of the rise of the novel and its growing popularity as a literary genre.

ENGL 311 Fiction Writing (3 credits)

Prerequisite: ENGL 209 OR ENGL309

Fiction Writing is an introduction to narrative techniques, manuscript mechanics, and reading like a writer. This course includes short stories and longer prose forms, it provides a space for students to write and review their own fiction in a supportive, constructive setting.

ENGL 312 Creative Non-Fiction Writing (3 credits)

Prerequisite: ENGL 209 OR ENGL309

Creative nonfiction Writing teaches students to incorporate narrative techniques into factual writing and to read from the perspective of a writer. This course includes travel writing, satire, and personal essay, and it provides a writing space for students to write and review their own nonfiction in a supportive, constructive setting.

ENGL 315 Poetry Writing (3 credits)

Prerequisite: ENGL 209 OR ENGL309

Poetry Writing introduces students to the study of poetry and its cultural, social, and historical contexts. Content includes terminology and methods for composing, analyzing, and evaluating poetry.

ENGL 316 Themes in Graphic Narratives (3 credits)

Prerequisite: ENGL 101 or ENGL 103

An examination of how psychological theories and literary narratives imagine the workings of the mind. Emphasis is on identifying and analyzing psychological principles in creative writing and film.

ENGL 321 Literature and Disability (3 credits)

An investigation of literary, autobiographical, and sociological depictions of the experience of disability. Consideration given to the intersection of disability with other categories of identity such as race, class, gender and sexuality. Emphasis is on analyzing texts as well as building relationships between writing and its social and political context.

ENGL 322 Women and Literature (3 credits)

An in-depth investigation of the aesthetic and cultural contributions made by women writers. Emphasis is on closely reading and analyzing texts, building relationships between women's writing and its historical and literary context, and evaluating and responding to literary criticism.

ENGL 324 Reading Minds, Writing Minds: Psychology & Literature (3 credits)

Prerequisite: ENGL 101 or ENGL 103; ENGL 115 and PSYC 110

An examination of how psychological theories and literary narratives imagine the workings of the mind. Emphasis is on identifying and analyzing psychological principles in creative writing and film.

ENGL 328 African American Literature and History (3 credits)

Prerequisite: ENGL 101 or ENGL 103

This course examines the African American experience from the colonial period to the contemporary era through the intersection of literature and history; analyzes how African American authors influenced, and were influenced by, social conditions; and highlights the diverse experiences and discourses that characterize African American literature and history

ENGL 330 American Renaissance (3 credits)

An exploration of the literature produced in America during the first half of the nineteenth century that, in the wake of the Romantic Movement, came of age as an expression of a national spirit. Along with a consideration of the social concerns and cultural values of this period, the course examines the work of several major writers, such as Emerson, Thoreau, Poe, Melville, Hawthorne, Whitman, and Dickinson.

ENGL 335 American Realism (3 credits)

An exploration of the literature produced in America during the second half of the nineteenth century that was devoted to accurate representation and an exploration of American lives in various contexts. Along with a consideration of the social concerns and cultural values of this period, the course examines the work of several major writers, such as Twain, Howells, James, Wharton, Chopin, Crane, Jewett and Norris.

ENGL 350 Internship I (3 credits)

Internship in communications that offers students options to explore career opportunities in an off-campus professional setting. Regular meetings with campus supervisor, periodic reports, as well as a final paper relating to the work experience are required.

ENGL 351 Internship II (3 credits)

Prerequisite: ENGL 350

Second semester of Experiential Learning.

ENGL 360 Pathways to the Professional Seminar (3 credits)

This course prepares English majors for professional careers and internships, focusing on career exploration, transferable skills, CV and cover letter preparation, and professional communication. Students will engage with the Experiential Learning Office to secure placements for their senior year internships.

ENGL 401 The Romantic Period (3 credits)

Intensive examination of the writing process and the dynamics of composing. Focuses on the interrelated aspects of writer, subject, reader, and form as these aspects pertain to nonfiction writing. Instruction in packaging and submitting manuscripts and selecting markets for potential publication.

ENGL 402 The Victorian Period (3 credits)

The spirit of the age explored through representative British writers of prose, poetry, and fiction from 1832 to 1901. Consideration of the connections between Victorian concerns and modern problems.

ENGL 403 Twentieth-Century Poetry and Drama (3 credits)

Selected poetry and drama of the 20th century. Study of representative American, British, and Irish writers.

ENGL 404 Twentieth-Century Novel (3 credits)

Study of early to mid-20th century British and/or American novelists, their literary techniques and visions of reality.

ENGL 405 Asian American & Pacific Islander Poetry (3 credits)

This course will provide a comprehensive survey of contemporary poetry by AAPI (Asian American & Pacific Islander) writers, addressing assumptions and dominant narratives about AAPI culture, history, and identity. Beginning with an overview of immigration policies, we will consider US presence in Asia, and Asian presence in the US. This seminar course will equip students with the skills to analyze both individual and collective artistic expression within broader social and political contexts.

ENGL 406 Reading and Writing Our Environment (3 credits)

Humans are never neutral in their relationship to nature and surroundings. This course addresses a central question that nature writing has attempted since the written word existed: How do humans interact, see, and represent their environment? We will review the historical approaches of how language and art navigate the idea of "Nature" and the environment. To test these approaches, we will immerse ourselves inside environmental spaces and report, create, and describe our experiences during these field studies.

ENGL 410 Advanced Writing Workshop (3 credits)

Prerequisite: ENGL 101 OR ENGL 103; and ENGL 209 OR ENGL 309, with a minimum grade of C

Intensive examination of the writing process and the dynamics of composing. Focuses on the interrelated aspects of writer, subject, reader, and form as these aspects pertain to nonfiction writing. Instruction in packaging and submitting manuscripts and selecting markets for potential publication. Workshop setting fostering a supportive community of writers intent on skill development.

ENGL 412 Literature and Culture (3 credits)

This course offers an immersive exploration of the rich and vibrant literary and cultural heritage of New Orleans. Renowned for its distinct blend of French, Spanish, African, and Caribbean influences, New Orleans has long been a fertile ground for artistic expression and cultural exchange. Through a diverse selection of literary texts, music, visual arts, and film, students will delve into the unique history, traditions, and identities that have shaped the city's cultural landscape. By the end of the course, students will gain a deeper understanding of the unique cultural dynamics of New Orleans, honing their critical thinking, analytical, and communication skills in the process.

ENGL 415 Advanced Literary Theory (3 credits)

Prerequisite: ENGL 101 or ENGL 103 and ENGL 207

Students in this course will study the great works and schools of literary theory, apply them to works of literature, poetry, film and drama, and develop original scholarship responding to and developing these works.

ENGL 417 Podcasting & Vlogging Workshop (3 credits)

This course explores podcasting and vlogging as contemporary storytelling forms, emphasizing their cultural and rhetorical impact. Students will research, script, produce, and edit digital narratives while developing technical skills in audio and video production in a workshop format. Through hands-on projects, they will analyze digital media's role in public discourse and create a portfolio showcasing their work. Ideal for students interested in multimedia storytelling, journalism, and digital communication.

ENGL 419 Multicultural Storytelling Workshop (3 credits)

What makes us unique and similar? This course examines various American stories of identity, assimilation, and resilience through narratives. Students analyze intersectional struggles in immigrant, urban, and marginalized communities via comparative essays, debates, theories, and creative projects, while redefining conceptions of "American" identity.

ENGL 425 Scholarly Research Seminar (3 credits)

Prerequisite: ENGL-101, ENGL-103, or TR equivalent and ENGL-207 with a minimum grade C

Intensive investigation of an author. Emphasis on literary analysis and criticism. May be interdisciplinary. Qualified students from other concentrations invited.

English – Accelerated Courses**ENG 101 Writing I (3 credits)**

This course is designed to improve one's written communication skills. The process of expressing oneself in writing is emphasized. Students learn to edit, revise, and write for different audiences. Note: If not transferred, ENG 101 must be completed within first 6 sessions.

ENG 102 Writing II (3 credits)

This course examines the practical uses of writing—composing formal essays, persuasive writing, and research papers. Note: If not transferred, ENG 102 must be completed within first 6 sessions.

ENG 115 Public Speaking (3 credits)

This course develops the communication skills necessary for effective oral communication in both academic and professional settings. Emphasis is placed upon building self-confidence, organizing messages, and making presentations, oral and written self-and per-critiquing/ individual attention as needed.

ENG 201 World Literature I (3 credits)

This course explores contemporary non-Western and post-colonial literature, including short stories, poems, essays, and memoirs. Critical reading and writing skills are developed through in-class discussions, presentations, and several written response and analytical papers.

ENG 221 Interpersonal Communication (3 credits)

This course is designed to introduce the student to a myriad of communication situations, primarily in the business environment. Areas include organizational communication, small group communication, the interview process, negotiation, and leadership skills. Students participate via class presentations, group discussions and in-class exercises.

English as a Second Language**ESL 101 Mastering English for Global Success (3 credits)**

Welcome to ESL 101, where we embark on an exciting journey to master the English language together. This course is designed to build a strong foundation in reading, writing, listening, and speaking skills, tailored specifically for non-native English speakers. Through interactive lessons and practical exercises, you will gain confidence and competence in using English effectively in both academic and everyday settings. Get ready to enhance your language abilities and connect with a supportive community of learners.

Environmental Science Courses**ENVS 101 Living In the Environment (3 credits)**

Two hours lecture, Two hours lab.

This course provides an overview of environmental science principles. Students will explore how organisms interact with one another and the environment, and how these dynamic interactions are influenced by human activities. Labs are a scientific approach to understanding the abiotic and biotic factors of life on earth.

Exercise Science**EXER 101 Introduction to Exercise Science (3 credits)**

This course offers a comprehensive introduction to career paths in exercise science, health, fitness, and rehabilitation, helping students explore opportunities in fields such as physical therapy, athletic training, sports medicine, and fitness coaching. Through hands-on experiences and real-world applications, students will engage with foundational exercise science principles, including anatomy, biomechanics, exercise physiology, and nutrition. The course encourages critical thinking about the role of exercise in improving health and performance and prepares students for further studies or professional certifications in exercise science-related fields.

EXER 301 Exercise Physiology (4 credits)

This course examines the physiological responses and adaptations of the human body to physical activity and exercise. Students will explore the functioning of major systems, including cardiovascular, respiratory, muscular, and metabolic systems, during exercise and at rest. Topics include energy production, muscle contraction, oxygen transport, and the role of the nervous and endocrine systems in exercise regulation. Emphasis is placed on understanding how different types of exercise (aerobic, anaerobic, resistance) affect the body and how exercise can be used to improve health, performance, and prevent disease.

EXER 303 Physical Fitness and Assessment (4 credits)

This course explores the fundamental concepts of physical fitness and the methods used to assess health and performance. Students will examine components of fitness including cardiovascular endurance, muscular strength, flexibility, and body composition. Emphasis is placed on the techniques for conducting fitness assessments, interpreting results, and designing personalized fitness programs. Topics include fitness testing protocols, exercise prescription, and the role of technology in tracking fitness progress.

EXER 305 Strength and Conditioning (4 credits)

This course explores the fundamental concepts of physical fitness and the methods used to assess health and performance. Students will examine components of fitness including cardiovascular endurance, muscular strength, flexibility, and body composition. Emphasis is placed on the techniques for conducting fitness assessments, interpreting results, and designing personalized fitness programs. Topics include fitness testing protocols, exercise prescription, and the role of technology in tracking fitness progress.

Finance Courses

FINC 301 Financial Management (3 credits)

Co-requisite: ACCT 205

Development of the student's logic and methodology in identifying factors in corporate financial decision-making situations and in analyzing those factors to reach supportable conclusions compatible with the objectives of the firm. Focus of the course is on forms of business organization, financial statement and cash flow analysis, risk assessment, capital budgeting, the time value of money, and bond and stock valuation.

French Courses

FREN 101, 102 Introductory French I, II (3 credits each)

Prerequisite for FREN 102: FREN 101

Fundamental proficiency in listening comprehension, speaking, reading, and writing. Intended for beginners.

FREN 103, 104 Intermediate French I, II (3 credits each)

Prerequisite for FREN 104: FREN 103

Progressively increased proficiency in listening comprehension, speaking, reading, and writing. Intended as a continuation of previous study.

FREN 201, 202 Grammar and Conversation I, II (3 credits each)

Prerequisites: FREN 103, 104

Emphasis on syntax and style to achieve mastery in both oral and written expression. Intensive conversational and writing exercises.

General Education Courses

GNED 400 Interdisciplinary Core Capstone (3 credits)

This course will provide students the opportunity to integrate fully the breadth of knowledge housed within the General Education Curriculum, via a unique and interdisciplinary experience.

GNED 400 HNR Honors Interdisciplinary Core Capstone (3 credits)

Placement by Honors Program admissions

This course will provide students the opportunity to integrate fully the breadth of knowledge housed within the General Education Curriculum, via a unique and interdisciplinary experience.

General Education – Accelerated Learning Courses

GND 400 Interdisciplinary Core Capstone (3 credits)

This course will provide students the opportunity to integrate fully the breadth of knowledge housed within the General Education Curriculum, via a unique and interdisciplinary experience.

Geography Courses

GEOG 205 Principles of Geography (3 credits)

Introduction to the nature of geography, the problems it investigates, and the methods it uses. Discusses the physical, cultural, economic, regional, and political factors affecting humans and their lives.

General Science

GSCI 104 Biology and the Natural World (3 credits)

This course provides an introduction to Biology for the non-science major, focusing on the common connections of all living things in Biochemistry, structure and function of cells, and genetics. The process of scientific discovery serves as a backdrop for the inquiry-based lab experiences.

GSCI 105 Living in the Environment (3 credits)

This course provides the non-science major with the basic knowledge of the principles of ecology. The topics include populations, communities, and species interactions. Pollution of both the air and water are related to effects on human health, on food production, and on the biosphere.

GSCI 106 Chemistry and the Environment (3 credits)

This non-science major course addresses basic chemical principles in the context of environmental issues. Students explore topics including air pollution, ozone depletion, and global warming. Topics enhance the students' understanding of the chemical aspects of each issue as well as the interconnection with social, political, and economic realities.

GSCI 108 The Environment of Planet Earth (3 credits)

Earth Science for non-science majors. This course focuses on the dynamic nature of the interactions of the physical factors of the earth and space; physical geology, historical geology, oceanography, meteorology, and astronomy. Emphasis will be placed upon the environment of the earth, and human responsibility of stewardship.

GSCI 110 The Science of Physics (3 credits)

This is a course in basic Physics for the non-science student. Some of the topics discussed are: the metric system, density, motion both linear and non-linear, energy and energy transductions, temperature and heat, light, and specific heat. The laboratory experience reinforces lecture concepts and is algebra based.

GSCI 115 Introduction to Forensic Science (3 credits)

This course focuses on the analysis of physical, chemical, and biological evidence that are commonly used in criminalistics. The theoretical principles underlying the instruments involved in forensic analysis are thoroughly explored. Two hours of lecture and two hours of lab.

Healthcare Administration and Management**HCAM 201 Health Systems of the US (3 credits)**

This course is your introduction to the US healthcare system and the practice of healthcare management. You'll learn how the healthcare industry functions and explore the roles and impacts of its various parts. You'll also have the opportunity to compare and contrast the US healthcare system with those of other nations. By the end of this course, you'll know the ins and outs of the American healthcare system. This online class has optional live sessions.

HCAM 303 Health Law and Ethics (3 credits)

This course is your overview of healthcare law in the United States. You'll learn about the ethical and legal issues that healthcare providers and administrators are confronted with in the modern workforce. By the end of this course, you'll understand how the legal environment shapes the medical profession and how to analyze and respond to a range of ethical and legal issues. This online class has optional live sessions.

HCAM 305 Health Data and Analytics (3 credits)

This course will help you understand the process of analyzing patients and other healthcare data to drive change and achieve greater efficiencies in healthcare systems. You'll build the programming and scripting skills (no prior experience needed) you need to analyze and explore data sets. By the end of this course, you'll be able to perform statistical analyses of healthcare data and turn it into actionable information to improve healthcare systems. This online class has optional live sessions.

HCAM 311 Healthcare Finance (3 credits)

This course teaches you how to apply concepts of finance and accounting to healthcare. You'll learn how to track and evaluate the financial status of a healthcare organization. Additionally, you'll learn how healthcare systems finance growth, and other projects. By the end of this course, you will be able to analyze issues and trends in healthcare finance and use financial information to support healthcare decision-making. This online course has optional live sessions.

HCAM 320 Healthcare Service Operations (3 credits)

This course is your introduction to healthcare operations. You'll learn about operations and systems management within the context of healthcare systems, how hospital supply chains work, and how to analyze operational processes to improve efficiencies. By the end of this course, you'll know how to evaluate and optimize hospital processes. This online class has optional live sessions.

HCAM 349 Healthcare Strategy Capstone (3 credits)

This course is the culmination of your work in the Healthcare Administration and Management program. You'll learn to apply strategic thinking to healthcare management and complete a major project in which you propose a systemic change to a hospital or hospital system. By the end of this course, you'll have honed and improved your relevant skills and created a portfolio project to show future prospective employers. This online class has optional live sessions.

Integrated Health Promotion

HPWE 101 Introduction to Health Promotion and Wellness (3 credits)

This course introduces foundational concepts in health promotion and disease prevention. There is a focus on strategies for promoting health and wellness, risk reduction, factors that contribute to injury, behavioral and environmental factors associated with this field, and the intersection of this field with economics, public policy, and culture.

HPWE 200 Health Promotion Through the Lifespan (3 credits)

Prerequisite: PSYC 208

The principles of health promotion, risk reduction, and health education are explored. Leading health indicators for healthy people serve as the basis for assessing current health risks and behavior across the lifespan. Strategies to reduce selected health risk behaviors are developed across the lifespan. Strategies to reduce selected health risk behaviors are developed and evaluated through current science, evidence, and public health concerns.

HPWE 202 Strategies of Stress Management and Wellness (3 credits)

This course provides theoretical and scientific foundations for understanding stress and its impact on individuals, workplace, and society. The application of strategies for stress management is explored using multiple approaches.

HPWE 206 Nutrition (3 credits)

Prerequisite: BIOL 207.

This course emphasizes healthy people. Initiatives for health promotion and health restoration are studied. Students develop knowledge and critical thinking skills necessary to provide nutrition education, care for individuals and families from various cultures, and identify community resources for nutritional care.

HPWE 320 Teaching Strategies for Health Promotion and Wellness (3 credits)

Prerequisite: Junior Standing

This course introduces foundational concepts for teaching methods and strategies used as related to health and wellness. The course is focused on understanding factors associated with learning; learning and teaching theories are explored; planning and evaluation of the learning outcomes and teaching activities are discussed.

HPWE 325 Coaching Principles for Health Promotion and Wellness (3 credits)

Prerequisites: HPWE 101, HPWE 200, HPWE 202

This course introduces foundational concepts and principles for coaching. Strategies to promote healthy lifestyle change are examined as students engage in practical application of coaching behavior.

HPWE 355 Research for Evidence Based Practice (3 credits)

Prerequisites: HPWE 101, MATH 130 or PSYC 311

The course focuses on student's understanding of the research process and appraising the research evidence in order to read, interpret, and evaluate research findings for application to practice.

HPWE 360 Health Policy: Global and National Perspectives (3 credits)

Prerequisites: HPWE 101, HPWE 200, HPWE 202

Evaluating current trends/topics related to health challenges that influence global and U.S. health policies. Themes may include: Major challenges confronting global human development; evolving health challenges caused by (non)communicable disease; solutions for improving global health equity; detecting/responding to emerging health threats; and funding global health initiatives.

HPWE 410 Health Promotion and Wellness Program Planning (3 credits)

Prerequisite: HPWE-101

This course will provide students with the information and resources that will enable them to develop skills in program planning for health promotion. Needs assessment, goal and objective formulation, instructional methods, implementation and evaluation of program planning will be included.

HPWE 444 Internship (3 credits)

Prerequisites: HPWE-101, HPWE-200, HPWE-202

An internship designed to provide professional experiences that blend theoretical learning and practical skills. Students must contact their internship instructor prior to registration.

HPWE 446 Theories of Health Behaviors (3 credits)

Prerequisites: HPWE-355, NURS-355, or PSYC-322

This course explores major theoretical frameworks used to understand and predict health-related behaviors. Students will examine psychological, social, and environmental factors that influence why individuals adopt or avoid specific health behaviors. Emphasis will be placed on applying these theories to the design and evaluation of interventions aimed at promoting positive health outcomes.

HPWE 450 Seminar: Contemporary Issues (3 credits)

Co-requisite: HPWE 444

This course will integrate previous coursework through exploration of the current and important issues in the field of health promotion and wellness. Selected readings provide basis for student-led presentations and discussion.

Health Sciences**HSCS 101 Pop Culture and Health (3 credits)**

This course examines the influences of pop culture and trends on health behaviors across different generations, and how those health behaviors affect individuals in the present and future. Students will consider how pop culture influences both negative and positive behaviors by examining specific health challenges associated with each generation.

HSCS 200 Informatics for Healthcare (3 credits)

The specialty of informatics in healthcare is explored. Emphasis is placed on technology designed to improve patient safety and clinical decision making. Selected topics in the application and evaluation of technologic initiatives, ethical and legal issues will be investigated. The content focuses on information systems that assist in monitoring outcomes and quality improvement in the healthcare setting, patient safety, and evaluation and selection of patient care technology and consumer health information sources. Legal, federal, and ethical issues related to information systems and patient care technology will be explored.

HPWE 210 Introduction to Healthcare Professions (3 credits)

This course is designed to engage students who have interest in the healthcare professions. Students will explore a variety of health-related career options. The course will review career potential for nursing and other healthcare designated fields.

HPWE 212 Professional Development for Health Professions (1 credits)

This course This course examines a variety of content specific to healthcare professional. Topics of discussion will include professional development for a healthcare provider, career planning, soft skills, advocacy, and leadership skills. Students will discuss interaction and diversity in the workplace. Communication and discussions on interdisciplinary engagement amongst healthcare workers and team building will be evaluated.

HSCS 300 Legal & Ethical Healthcare (3 Credits)

This course explores the legal and ethical principles that underpin healthcare practice, providing students with the tools to navigate complex professional challenges. Topics include patient rights, confidentiality, informed consent, malpractice, professional liability, and the legal responsibilities of healthcare providers. Ethical issues such as resource allocation, end-of-life care, and decision-making in diverse healthcare scenarios are examined using case studies and real-world applications. Students will develop critical thinking and problem-solving skills to address legal and ethical dilemmas while maintaining compliance with regulations and professional standards. Emphasis is placed on fostering culturally competent, patient-centered care while upholding ethical integrity. This course may be delivered in face to face, hybrid, or online sessions.

HSCS 310 Phys Assess Lifespan for HC P (3 Credits)

This course equips healthcare providers with the foundational skills and knowledge needed to perform comprehensive physical assessments across all stages of life, from infancy to older adulthood. Emphasis is placed on understanding the physiological and developmental differences at each stage and their impact on assessment techniques and finding. Students will learn to conduct systematic head-to-toe examinations, interpret normal versus abnormal findings, and document their results accurately. The course incorporates practical labs and case studies to enhance proficiency in assessing diverse populations, including pediatric, adult, and geriatric patients. Cultural competence and patient communication are also integrated to support holistic, patient-centered care. This course may be delivered in face to face, hybrid, or online sessions.

HSCS 320 Basic Pharm HC Providers (3 Credits)

This course introduces the principles of pharmacology tailored for healthcare providers. Students will explore the fundamentals of drug action, absorption, distribution, metabolism, and excretion, as well as the therapeutic uses and

side effects of commonly prescribed medications. The course emphasizes understanding drug classifications, mechanisms of action, and safe medication administration practices. This course may be delivered in face to face, hybrid, or online sessions.

HSCS 410 Patho for Health Professions (3 Credits)

This course provides an in-depth exploration of the mechanisms of disease and their impact on human physiology. Designed for healthcare professionals, the course emphasizes the etiology, pathogenesis, clinical manifestations, and diagnostic evaluation of common diseases and disorders affecting various body systems. Students will learn how alterations in normal physiological processes contribute to disease states and how this knowledge applies to clinical decision-making and patient care. The course integrates case studies, real-world applications, and evidence-based practices to enhance understanding of complex pathophysiological concepts. This course may be delivered in face to face, hybrid, or online sessions.

History

HIST 108 Global History to 500 C.E. (3 credits)

Global History to 500 C.E. is an examination of the development of civilizations through the impact of migrations and the development of global trade in Asia, Africa, the Near East, and Europe from the Paleolithic Period to 500 C.E.

HIST 108 HNR Honors Global History to 500 C.E. (3 credits)

Placement by Honors Program admissions

Global History to 500 C.E. is an examination of the development of civilizations through the impact of migrations and the development of global trade in Asia, Africa, the Near East, and Europe from the Paleolithic Period to 500 C.E.

HIST 109 Global History 500-1700 (3 credits)

This course is a historical examination of the interconnection of Africa, Asia, the Middle East, and Europe during the Middle Ages, the High Middle Ages, and the Early Modern Period. Focus is on the economic, political, social, and epistemological foundations of modern institutions and thought.

HIST 203 American History to 1820 (3 credits)

Analysis of American History from the development of pre-contact Native American cultures through the period of European exploration and first contact, the colonial era, the American Revolution, and the Early Republic.

HIST 204 American History, 1820-1920 (3 credits)

Analysis of American History from the growth of sectionalism, the Civil War, and Reconstruction through the period of industrialization and overseas expansion as the United States moved toward great-power status.

HIST 204 HNR Honors American History, 1820-1920 (3 credits)

Placement by Honors Program admissions

Analysis of American History from the growth of sectionalism, the Civil War, and Reconstruction through the period of industrialization and overseas expansion as the United States moved toward great-power status.

HIST 205 American History since 1920 (3 credits)

Analysis of American History examining the rise of the United States to superpower status. Topics to be studied include American foreign policy, economic development, the creation of the welfare state, civil rights and women's rights, and American political trends.

HIST 208 Global History 1700-Present (3 credits)

An examination of global dynamics of the modern period including the Enlightenment and its philosophical successors, colonization, industrialization, nationalism, and global warfare. Decolonization, the emergence of the third world, and globalization will also be a focus of the course.

HIST 263 American Studies (3 credits)

A multi-disciplinary course that will look at America (which shares geographic but not temporal borders with the United States) from a variety of perspectives: architecture, art, film, history, literature, music, religion, and television. Students will study the ideas and values by which people interpret and find meaning in their lives, using perspectives of race, religion, gender, class, and diversity. Emphasis will be placed on students' analytical skills, close reading practices, and critical thinking.

HIST 304 Jeffersonian and Jacksonian Democracy (3 credits)

This course examines the economic, social, and political decisions that both forged a new nation and laid the groundwork for its possible destruction as a result of the Civil War.

HIST 308 The 1980s on Film (3 credits)

Tier III interdisciplinary course using film to understand the global Cold War, the major geopolitical events and socio-political trends of the 1980s, and the ways in which the 1980s have shaped today's world.

HIST 312 American Immigration History (3 credits)

This course addresses a defining aspect of American history, immigration. This course will survey the forces that have brought migrants to America, their experiences in America, and the reactions of native-born citizens to the new inhabitants.

HIST 313 Women in America (3 credits)

A survey of women's history in America, from pre-contact through the present. This course will encourage students to consider how women have shaped and been shaped by American history, to examine changing definitions of womanhood, and to explore the diversity of women's experiences.

HIST 315 History of Pennsylvania (3 credits)

This course examines the development of Pennsylvania from a multi-ethnic Native American and European colonial settlement to the industrialized, urbanized, and heterogeneous state that exists today. The course will give attention to Pennsylvania's religious, political, economic, and social development.

HIST 316 American Foreign Policy (3 credits)

Through its position on the UN Security Council, its role in NATO, its economic power, and its cultural influence, the U.S. has had a dominant role in world affairs. This course will consider how the U.S. has risen to this dominant position by examining the political, military, economic, and cultural facets of American foreign policy.

HIST 317 Revolutionary America (3 credits)

Students in this course will use primary and secondary sources to investigate the causes and consequences of the American Revolution, including the political and economic foundations of the United States, and the disparate impact the revolution had on Americans of different ethnicities, classes, sexes, regions, and political loyalties.

HIST 318 Atlantic Worlds (3 credits)

Considers how the interaction among European, American, and African peoples has impacted the history and development of each of these groups; to study the foundations of American political, economic, and cultural history, and examine how these foundations laid in the 15th through 17th centuries have influenced subsequent United States history.

HIST 319 Eastern Europe and the USSR (3 credits)

This course focuses on Eastern Europe and the Soviet Union from World War I through the end of the Cold War. It examines the region's social, cultural, and political evolution, with a particular focus on the socialist period and its long-term impact on the region.

HIST 320 Genocide in Modern World History (3 credits)

Course concerns genocide in modern world history. It focuses on the Armenian Genocide, the Holocaust, the Cambodian Genocide, and the Bosnian Genocide. Discussion includes the steps leading to genocide, perpetrators and victims of genocide, and the implications of applying the term, "genocide," to situations of mass killing.

HIST 322 The Global 1960s (3 credits)

This course focuses on the global "long 1960s." It covers major, geopolitical events and trends, such as the Vietnam War, decolonization, and the advent of mass media and consumer culture. It particularly investigates the decade's remarkable cultural production and explosive political rebellion, most famously exemplified by the demonstrations of 1968.

HIST 330 World War II (3 credits)

Course focuses on World War II. We will examine the ideological, economic, and geopolitical roots of the war, the military and human implications of the ensuing conflict, and the consequences of the war's conclusion. The class will also discuss the many complicated academic and moral questions raised by the war.

HIST 340 The American Civil War (3 credits)

Considers political, social, economic, and military matters, character and dynamics of antebellum northern and southern societies, and causes and conduct of the Civil War.

HIST 351 History Seminar I (3 credits)

A course devoted to research on a historical topic. Historical methodology to be determined by topic, period, or movement.

HIST 368 Comparative Empires (3 credits)

This course is a comparative history of the Russian, Habsburg, and Ottoman Empires from their founding until the eve of World War I. It provides a comprehensive overview of the empires' histories with a particular emphasis on cultural and political trends. The course also examines the empires' long-term impact on the history of East-Central Europe, North Africa, and the Middle East.

HIST-398 Special Topics in History (3 credits)

Course treats one special historical topic, period, problem, or interpretation. Content material and focus differ each time; several in the series may be taken for credit.

HIST-399 Special Topics in History (3 credits)

Course treats one special historical topic, period, problem, or interpretation. Content material and focus differ each time; several in the series may be taken for credit.

HIST 402 Social Movements in History (3 credits)

Analysis of selected topics in either European or American social movements: communitarianism, religious revivalism, feminism, anarchism, socialism, and radicalism.

HIST 405 The World since 1945 (3 credits)

A study of how scientific, technological, social, cultural, economic, and political changes have shaped global history since World War II.

HIST 428, 429 Internship I, II (3 credits each)

Internship that offers students options to explore career opportunities in city, state, or federal government, as well as historical associations.

HIST 451 History Seminar II (3 credits)

A course devoted to research on a historical topic. Historical methodology to be determined by topic, period, or movement.

HIST 499 Special Topics (3 credits)

Course treats one special historical topic, period, problem, or interpretation. Content material and focus differ each time; several in the series may be taken for credit.

History – Accelerated Courses**HIS 220 Race and Ethnicity in the United States (3 credits)**

This course examines, from a historical perspective, the factors of race and ethnicity in the United States to determine relevance, effect on one's place in society, and evolution.

HIS 232 The American Presidency (3 credits)

This course examines the history of the American Presidency from George Washington to George W. Bush. In particular, students analyze why some presidents have been more successful than others throughout the course of American history. By implementing perspectives from both the individual and the historical era, this course exposes students to the broader trends in American history.

HIS 233 Pennsylvania Business History (3 credits)

This course examines the process of industrialization in Pennsylvania. Emphasis is placed on the nineteenth century and upon key industries such as textiles, iron, coal, oil, steel, and the railroads. Students explore ways in which business played an important role in the national economy. Other methods of historical analysis are discussed, including race, gender, ethnicity, technology, labor, religion, and the environment.

HIS 236 Irish History (3 credits)

This cross-cultural course examines the history of Ireland from Celtic migration to the economic recovery during the 1990s. Students analyze the importance of how Irish history has influenced American and Philadelphia history. Perspectives of historical analysis include race, ethnicity, gender, technology, labor, religion, emigration, and the environment.

HIS 250 History of China (3 credits)

This course examines the political, social and economic development of modern China over the past 400 years.

HIS 252 History of the Middle East (3 credits)

This course is a survey of the political, social, economic, military and cultural development of the lands now known as Egypt, Saudi Arabia, Israel, Palestine, Jordan, Lebanon, Syria, Turkey, Iran and Iraq.

Holy Family Experience**HFE 100 Blueprint 1 Prepare (1 credit)**

This is the first course in the Three-Year Blueprint Program. This course consists of a series of eight intensive, highly interactive workshops designed to create an atmosphere of belonging and facilitate a smooth transition into Holy Family University life. In this course students begin to acquire the knowledge skills and aptitudes necessary to become successful college students and persist to degree completion.

HFE 200 Blueprint 2 Persist (1 credit)

This is the second course in the 3-year BLUEprint for Student Success Program. The course consists of a series of eight intensive, highly interactive workshops designed to help second-year students deepen their knowledge and skills related to critical thinking, technological literacy, values clarification, major and career assessment, pursue academic excellence, utilize external resources, and overcome obstacles to degree completion. This course fulfills a Holy Family Experience curriculum requirement.

HFE 210 Resistance to Violence 1.5 credits)

This course integrates the theory, research, and practice of women's resistance to violence. Focus is placed on psychological and feminist perspectives, but we will also incorporate theory and research from sociology, public health and policy, and law, and explore the cultural assumptions that contribute to gendered violence and rape culture.

HFE 300 Blueprint 3 Pursue (1 credit)

This is the third course in the 3-year BLUEprint for Student Success Program. The course consists of a series of eight intensive, highly interactive workshops designed to help third-year students navigate with confidence senior year and life after graduation. In this course, students hone their knowledge and skills related to post-graduation planning, research preparation, internships, networking, leadership roles, and living a growth-filled meaningful life.

HFE 310 HNR Honors Interdisciplinary Human Research (3 credits)

Interdisciplinary humanities honors research course requiring students to study a topic, period, or problem related to the seminar's theme. Students will engage with multiple research and interpretive approaches including historical, cultural, and sociological methodologies. Content material and focus differ each time.

HFE 400 Interdisciplinary Core Seminar (3 credits)

This General Education capstone course challenges students to critically examine their core values, strengths, and professional aspirations through the lens of civic engagement. Designed as a culminating experience, the course integrates interdisciplinary learning with real-world application, empowering students to explore their role as active citizens and ethical professionals. A key component of the course is the development of a professional ePortfolio that showcases students' academic achievements, civic contributions, and career readiness. By the end of the course, students will have a deeper understanding of how their unique skills and values intersect with societal needs, equipping them to make informed, purpose-driven choices in their careers and communities.

Italian**ITAL 101, 102 Introductory Italian I, II (3 credits each)**

Prerequisite for ITAL 102: ITAL 101

Fundamental proficiency in listening comprehension, speaking, reading, and writing. Intended for beginners.

ITAL 103, 104 Intermediate Italian I, II (3 credits each)

Prerequisite for ITAL 104: ITAL 103

Progressively increased proficiency in listening comprehension, speaking, reading, and writing. Intended as a continuation of previous study.

Mathematics

MATH 106 Introduction to College Mathematics (3 credits)

Enrollment by placement testing only. This course does not satisfy the core Math requirement. This course is not open to students who have successfully completed MATH 107 or higher. Minimum grade required to successfully complete this course is a "C".

This course is designed to develop skills in the basic concepts of arithmetic in a lecture/laboratory setting.

MATH 107 Introduction to College Algebra (3 credits)

Enrollment by placement testing only. This course does not satisfy the core Math requirement. This course is not open to students who have successfully completed MATH 110 or higher. Minimum grade required to successfully complete this course is a "C".

This course is designed specifically for those students who need to develop a proficiency in algebraic skills that are essential for subsequent Math courses. Topics include: operations with signed numbers, solving equations and inequalities, the arithmetic of polynomials, factoring polynomials, rational functions, graphing exponents, and radicals.

MATH 109 Financial Literacy (3 credits)

This course is an introduction to the uses of college level mathematics in personal finance applications. The subject matter is highly applicable. Topics include simple interest, simple discount, compound interest, annuities, investments, retirement plans, taxes, credit cards, mortgages, and leasing.

MATH 109 HNR Financial Literacy Honors (3 credits)

MATH 109 HNR provides an introduction to the use of college-level mathematics in personal finance applications. Topics include simple interest, simple discount, compound interest, annuities, retirement plans, taxes, credit cards, mortgages and leasing. Satisfies Core Math requirement.

MATH 110 Quantitative Literacy (3 credits)

This course is designed to enable students to make personal, professional, consumer and civic decisions by interpreting, analyzing, and communicating quantitative information encountered in everyday life. Satisfies Core Math requirement.

MATH 111 Mathematical Foundations (3 credits)

Through lecture and discussion, students will explore foundational concepts of mathematics including: sets, number systems and operations, algebraic equations and inequalities, geometry and measurement, and probability and statistics. Emphasis will be placed in problem solving and real life applications.

MATH 130 Elementary Statistics (3 credits)

Introduction to collection, presentation, and analysis of statistical data. Includes descriptive and inferential statistics. Emphasizes applications of statistical techniques, rather than mathematical derivations.

MATH 150 College Algebra and Trigonometry (3 credits)

Fractional equations, roots, algebraic equations and inequalities, polynomial functions, exponential and logarithmic functions, applications, introduction to trigonometric functions, applications of trigonometric functions.

MATH 150 HNR Honors College Algebra and Trigonometry (3 credits)

Placement by Honors Program admissions

Fractional equations, roots, algebraic equations and inequalities, polynomial functions, exponential and logarithmic functions, applications, introduction to trigonometric functions, applications of trigonometric functions.

MATH 210 Calculus for Biological Sciences (4 credits)

Prerequisite: MATH 150

Calculus for the Biological Sciences will focus on the application of calculus to biological systems. The development of essential concepts of calculus will be motivated by biological examples. Modeling activities from a biological perspective will be emphasized. Relevant applications will include physiology, pharmacology, cell biology, and population biology.

MATH 211 Calculus I (4 credits)

Prerequisite: MATH 150

An introduction to limits and their properties, differentiation, applications of differentiation, indefinite integration, the Fundamental Theorem of Calculus, numerical integration and applications of integration.

MATH 212 Calculus II (4 credits)

Prerequisite: MATH 211

Further applications of integration, transcendental functions, methods of integration, indeterminate forms and L'Hopital's Rule, improper integrals, and infinite series.

MATH 213 Calculus III (4 credits)

Prerequisite: MATH 212

Plane curves, parametric equations and polar coordinates, vectors and vector-valued functions, partial differentiation with applications, multiple integration with applications, and vector analysis.

MATH 215 Discrete Mathematical Structures (3 credits)

Prerequisite: MATH 211

An introduction to methods of analytical, abstract, and critical thinking; deductive reasoning; and logical and mathematical tools used in information sciences. Topics include logic, sets, functions and relations, elementary probability and combinatorics, matrix algebra, groups and semi-groups, graphs and trees. Does not fulfill the elective requirement for MATH majors.

MATH 220 Linear Algebra with Applications (4 credits)

Prerequisite: MATH 211

An introduction to the concepts and applications of linear algebra. Topics include matrices and systems of equations, determinants, vector spaces, linear transformations, orthogonality, eigenvalues and eigenvectors, numerical linear algebra.

MATH 221 Ordinary Differential Equations (4 credits)

Prerequisites: MATH 212 and MATH 220

An introduction to the methods of solution of differential equations. Analytical, numerical, and graphical solutions will be studied. Emphasis will be on mathematical models using ODE's, with applications for a variety of fields of interest. Topics include first and second order linear ODE's, non-linear ODE's, the phase plane. Fulfills the MATH elective requirement for Mathematics and Mathematics Secondary Education.

MATH 250 Discrete Mathematics (3 credits)

Prerequisite: MATH 211

An introduction to topics encountered in advanced mathematics courses with emphasis on mathematical notation, reasoning, and methods of proof. Topics include logic, methods of proof, set theory, relations, functions, Boolean algebra, basic combinatorics, and elementary graph theory.

MATH 303 Modern Geometry (3 credits)

Prerequisite: MATH 150 or MATH 211

Offered in the Fall of odd-numbered years

Axiomatic systems and finite geometries, finite projective planes, Euclidean and non-Euclidean geometries and their significance, and transformations of the Euclidean plane.

MATH 305 Theory of Numbers (3 credits)

Prerequisite: MATH 150, MATH 210 or MATH 211

Divisibility, prime numbers, linear congruencies, continued fractions, Diophantine equations, perfect numbers, Pell's equation and public-key cryptography.

MATH 308 Probability (3 credits)

Prerequisite: MATH 212

Topics include basic probability and counting principles, discrete and continuous random variables, expectation, probability distributions, joint distributions, and the central limit theorem. Emphasis on problem-solving.

MATH 309 Graph Theory (3 credits)

Graph Theory is a subject on the cutting edge of mathematics and has applications to such diverse subject areas as operations research, economics, chemistry, sociology, computer science, and genetics. This course will provide a thorough introduction to graph theory. Topics to be covered include: paths, cycles, trees, planar graphs, graph colorings, digraphs and applications to optimization problems.

MATH 316 Modern Algebra I (3 credits)

Prerequisite: MATH 250

An introduction to the theory of groups, rings, and fields. Understanding and writing mathematical proofs will be emphasized. Topics include groups and subgroups, permutation groups, cyclic groups, homomorphisms and isomorphisms, factor groups, rings, fields and integral domains.

MATH 317 Modern Algebra II (3 credits)

Prerequisite: MATH 316

A study of advanced topics in the field of abstract algebra. The main goal of this course will be to prove the insolvability of the quintic. Topics include rings of polynomials, factor rings, ideals, unique factorization, domains, extension fields, geometric constructions, splitting fields, and Galois theory.

MATH 327 History of Mathematics (3 credits)

Prerequisites: MATH 211

In-depth study of the historical development of mathematics. Course open to majors and minors.

MATH 401 Statistics (3 credits)

Prerequisite: MATH 308

Sampling distributions, point estimates, confidence intervals, hypothesis testing, nonparametric methods, contingency tables, and goodness-of-fit.

MATH 403 Advanced Calculus (3 credits)

Prerequisite: MATH 213

Topological concepts underlying the calculus, properties of continuous functions, sequences, infinite series and uniform convergence, theory of differentiation and integration.

MATH 404 Introduction to Complex Variables (3 credits)

Prerequisite: MATH 213

Theory of functions of a complex variable, analytic functions, Cauchy-Riemann equations conditions and integration, Cauchy's theorem and formulae, Taylor and Laurent expansions.

MATH 405 Numerical Analysis (3 credits)

Prerequisites: MATH 213, 220

Floating point arithmetic, iterative methods, finite differences, polynomial approximations, least squares approximations, interpolation theory, numerical differentiation and integration, matrix operations, Gaussian elimination, numerical solutions to differential equations, and error analysis.

MATH 410 Operations Research (3 credits)

Prerequisite: MATH 220

Introduction to the implementation of Operations Research methods for analyzing systems in the real world with emphasis on linear programming models, dynamic programming models, and probabilistic models. Topics include Simplex Method, Duality Theory, the Assignment Problem, the Transportation Problem, game theory, Markov Chains, queuing theory, forecasting, decision analysis, and simulation.

MATH 427 Internship I (3 credits)

Opportunity for students to participate in off-campus internship experience geared toward putting classroom theory into practice. Efforts coordinated jointly by internship advisor and cooperating employers.

MATH 435 Senior Problem-Solving Seminar (3 credits)

This course will provide opportunity for advanced mathematics students to hone their mathematical problem-solving skills and integrate knowledge from various branches of mathematics.

MATH 440 Directed Research (3 credits)

This course provides advanced mathematics students an opportunity to engage in independent mathematical research under the direction of a faculty mentor.

Mathematics – Accelerated Course

MTH 110 Quantitative Literacy (3 credits)

This course is designed to enable students to make personal, professional, consumer and civic decisions by interpreting, analyzing, and communicating quantitative information encountered in everyday life. Satisfies the Core Math.

MTH 111 Mathematical Foundations (3 credits)

Students will explore foundational concepts of mathematics including: sets, number systems and operations, algebraic equations and inequalities, geometry and measurement, and probability and statistics. Emphasis will be placed in problem solving and real-life applications.

Medical Technology

MEDT 413 Clinical Hematology/Coagulation (6 credits)

Composition and function of blood, diseases related to blood disorders, and the role of platelets and coagulation. Manual and automated techniques of diagnostic tests for abnormalities.

MEDT 414 Clinical Immunohematology (4 credits)

Blood antigens, antibodies, cross-matching, hemolytic diseases, and related diagnostic tests. In-depth study of blood donor service and its many facets such as transfusions, medico-legal aspects, etc.

MEDT 416 Clinical Chemistry (8 credits)

Enzymology; endocrinology; Biochemistry of lipids, carbohydrates, and proteins; metabolism of nitrogenous end products; physiology and metabolism of fluids and electrolytes; and toxicology as related to the body and diseases. Technical procedures include calorimetry, spectrophotometry, electrophoresis, automation, chromatography, and quality control.

MEDT 417 Clinical Microbiology (8 credits)

Identification and clinical pathology of bacteria, fungi, viruses, and parasites. Techniques to isolate, stain, culture, and determine antimicrobial susceptibility. Instrumentation; quality control.

MEDT 418 Clinical Immunology/Serology (3 credits)

Immune response, immunoglobulins, autoimmunity and complement, and related tests and diseases. Survey and demonstration of serological diagnostic tests.

MEDT 420 Clinical Seminar (3 credits)

Emphasis on clinical coordination conferences. Includes other topics that are unique to the individual hospital program.

Management-Marketing

MNMK 205 Lifecycle and Email Marketing (3 credits)

Prerequisite: MNMK 316

Lifecycle marketing is essential for businesses to maintain continuous engagement with customers by tailoring content to their specific stages. Emails are crucial for creating direct, personalized communication that varies by lifecycle stage. In this course, you'll learn to craft successful email campaigns within lifecycle marketing plans. By the end, you'll build a marketing campaign that drives customers to take desired actions based on their lifecycle stage

MNMK 215 Going Viral and Growth Hacking (3 credits)

"Going viral" is crucial for businesses. Companies that create content that spreads quickly online can significantly grow their brand. "Growth hacking" maximizes every opportunity and extracts value from every move. This course teaches what drives people to share content and how to create shareable, meme-worthy material that boosts growth

MNMK 250 Business Communications (3 credits)

This course covers essential business communication skills, focusing on effective written, oral, and digital communication strategies in professional settings. Students will learn to create clear, concise, and persuasive business messages for diverse audiences.

MNMK 312 Principles of Marketing (3 credits)

Analysis of marketing as a "total system" of business action. Topics include identification of the target market and management of the marketing mix: product, price, promotion, and distribution. Consumer motivation, marketing research, and advertising techniques are also considered.

MNMK 315 Operations Management (3 credits)

Managerial activities and techniques associated with planning, controlling, and organizing the operations and the operating resources of an enterprise, including topics such as forecasting, facility location, break-even analysis, project planning and scheduling, inventory management, capacity planning, standards, and quality control.

MNMK 316 Digital Marketing (3 credits)

Prerequisite: MNMK 312

This course arms students with a comprehensive understanding of the field of Digital Marketing from both a strategic and tactical perspective.

MNMK 317 Business Project Management (3 credits)

This course covers the factors necessary for successful management of system development or enhancement projects, management projects and marketing projects. Both technical and behavioral aspects of project management are discussed. Project management software is utilized, and a final project will provide hands-on experience.

MNMK 335 Management and Leadership (3 credits)

Prerequisite: BUSA 100

This course prepares the student for personal and organizational success through the study of the theory and practice of management, organizational design, and leadership.

MNMK 340 Managing People in Organizations (3 credits)

This course provides the student with an in-depth coverage of Human Resource Management and its relationship to Organizational Behavior. It includes an analysis of the history and theory of organizations, goal setting, motivation, leadership, decision-making, ethics, organizational patterns, culture and behavior. It provides an emphasis on the human aspect of management through the incorporation of job analysis, interpersonal skills, training & development, evaluation criteria, motivation, goal management, the social environment, and governmental regulations. Contemporary topics include power, networking, mentoring, and future models of organization.

MNMK 352 Business Ethics (3 credits)

This course explores the principles of ethical decision-making in business, emphasizing the role of moral responsibility, corporate governance, and ethical leadership in global business environments. Students will analyze real-world ethical dilemmas and develop frameworks for resolving complex issues in various business contexts.

MNMK 355 Entrepreneurship and the New Economy (3 credits)

This course defines entrepreneurship as a way of thinking and problem solving. In the startup process it includes opportunity identification, required resources, financial statement, valuation and investment justification, and development of a business plan appropriate for presentation to funding services.

MNMK 400 Conflict Management and Negotiation (3 credits)

Prerequisites: MNMK 250 and MNMK 352

This course provides an in-depth study of conflict management and negotiation strategies within business settings, focusing on the development of skills to resolve disputes, foster collaboration, and achieve successful negotiation outcomes in both domestic and international environments.

MNMK 405 Advertising and Promotion (3 credits)

Prerequisite: MNMK 312

Theory and practice relating the purchase and use of all marketing communication tools, including advertising, as part of the integrated marketing mix. Emphasis is on practical applications in message development and campaign management. This course also considers the various media in terms of effectiveness and cost.

MNMK 406 Consumer Behavior (3 credits)

Prerequisite: MNMK 312

Consumer behavior considers the mental, emotional, and physical activities that people engage in when selecting, purchasing, and using products and services to satisfy needs and desires. This course offers an opportunity to observe consumers' behavior and provides insight into purchasing behavior.

MNMK 407 Principles of Marketing Research (3 credits)

Prerequisites: BUSA 104 or MATH 130; MNMK 312

Comprehensive and practical discussion of the design, execution, and analysis of research for marketing decision-making. Examination of decision theory and analysis in the design and conduct of marketing research; use of computer programs in the analysis and interpretation of marketing research.

MNMK 413 Quantitative Methods for Decision-Making (3 credits)

Prerequisites: BUSA 104

Decision-making in business environments with emphasis on quantitative techniques and optimization models such as linear programming, decision trees, expected monetary values, probability concepts, statistical estimation, and computer solutions.

MNMK 415 SEO and SEM (3 credits)

Prerequisite: MNMK 312

How do you find what you're looking for on the internet? Chances are you turn to google or another search engine. Companies use Search Engine Optimization (SEO) and Search Engine Marketing (SEM) to make sure you see them first every time you turn to a search engine. By the end of this course you'll learn how to optimize a website so that it shows up first on a search, and how to build search ads that will drive customers to your website.

MNMK 416 Social Media Marketing, Brand Awareness and Engagement (3 credits)

Prerequisite: MNMK 316

The average consumer spends 2.5 hours per day on social media sites. This course explores how to effectively use social media to move those consumers to action. In order to be a successful marketer, you must be able to plan a campaign that aligns with strategic goals, execute using the appropriate channels and tactics, and measure the success or failure of your efforts. By the end of this course, you will learn how to do just that.

MNMK 421 Strategic Marketing (3 credits)

Prerequisite: MNMK 312

Emphasizes the study of several formal strategic marketing planning frameworks and provides the student opportunities to apply these frameworks to a series of case studies, team projects, and oral presentations.

MNMK 424 Digital Marketing Analytics (3 credits)

Prerequisites: MNMK 312, core math requirement, and MNMK 205, MNMK 415 or MNMK 416.

Marketing professionals today have access to incredible amounts of data. The ability to use this data is what differentiates successful marketing efforts from failed ones. This course will teach you how to analyze digital customer behavior data using a range of tools, and use that data to test marketing hypotheses and improve customer acquisition.

MNMK 425 Marketing Data and Analytics (3 credits)

Prerequisites: BUSA 100, BUSA 104

A practitioner-oriented introduction to the methods and application of marketing analytics. Major emphasis is placed on developing an understanding of the data available to marketers, its uses and limitations, and the tools and techniques for predicting and measuring the effectiveness of a company's marketing efforts.

MNMK 439 Senior Seminar in Management and Marketing (3 credits)

Prerequisites: BUSA 435 or BUSA 445 with a minimum grade of "C"

Analysis of topics and issues in management and marketing through the discussion of current domestic and international issues, through case analysis, business simulation, and through research.

Nursing – Second Degree**NUFT 202 Introduction to Professional Nursing (2 credits)**

This course introduces the student to the Holy Family University BSN Program curriculum and the profession of nursing. It is designed to provide the student with opportunities to develop critical thinking skills through the use of the nursing process. Professional values, standards, and guidelines are examined as a basis for discussion of the current and emerging roles of the professional nurse.

NUFT 204 Foundations of Nursing Practice (5 credits)

This course is designed to introduce students to fundamental concepts in nursing care. The nursing process is used as the framework for clinical reasoning. Emphasis is placed on developing basic skills needed to assess, plan, implement, and evaluate selected nursing interventions and technologies. Students gain competency through practice in a supportive and supervised environment in a nursing laboratory.

NUFT 234 Nursing Pathways to Progress (3 credits)

The Pathway to Progress will result in student achievement of nursing course and curricular objectives in which there is a known deficiency using a structured individualized plan of study. Students will participate in the Pathway to Progress the semester after withdrawal from a nursing course or after receiving a failing grade in a nursing course. Students will be permitted to continue to progress in the program after successful completion of the Pathway to Progress pending course space availability.

NUFT 341 Medical-Surgical Nursing I (7 credits)

This course provides the student with an immersion into professional nursing. Health assessment and illness prevention is presented through a concept-based framework. Students are introduced to the nursing care of individuals experiencing selected health alterations with concurrent clinical experiences.

NUFT 343 Applied Pharmacology for Nursing Care I (2 credits)

Pharmacotherapeutic aspects of nursing care are introduced and applied across the life span to individuals and families experiencing selected health alterations. Pharmacologic actions and responses associated with major drug classifications, nursing assessment, and patient/family education are emphasized.

NUFT 345 Nursing and Older Adult Health Promotion (2 credits)

The physiological, psychosocial, cultural, spiritual, and environmental changes experienced by older individuals and their families are examined. Theories of aging, as well as healthy aging, restorative care, and supportive interventions to promote and maintain wellness in older adults are explored. Emphasis is placed on the roles of the nurse as coordinator of care for older adults and their families. The special advocacy issues of older clients and their families are also addressed.

NUFT 347 Transition to Clinical Nursing (1 credit)

This course provides for the integration of concepts and theories into nursing practice. The discussion and presentation of case studies will facilitate synthesis of level content and previous learning. Students will be actively working in groups throughout the semester. The course will facilitate beginning 300 level nursing students' successful transition into clinical nursing courses.

NUFT 349 Psychiatric-Mental Health Nursing (3 credits)

This course introduces students to psychiatric-mental health nursing and focuses on health restoration and maintenance of patients across the lifespan. Concepts of critical thinking, evidence-based practice, communication/collaboration, professional leadership, healthcare policy, cultural humility, professional values, and information technology are presented within the context of the nurse as a member of a profession, provider of care, and leader/manager of health care.

NUFT 351 Medical-Surgical Nursing II (7 credits)

This course provides the student with a continued immersion into professional nursing. Health assessment, illness prevention, health restoration, and palliation are presented through a concept-based framework. The nursing care of individuals experiencing selected health alterations is continued with concurrent clinical experiences.

NUFT 353 Applied Pharmacology for Nursing Care II (2 credits)

Advanced pharmacotherapeutic aspects of nursing care are explored and applied across the life span to individuals and families experiencing selected health alterations. Pharmacologic actions and responses associated with major drug classifications, nursing assessment, and patient/family education are emphasized.

NUFT 355 Research for Evidence-Based Nursing Practice (3 credits)

Using critical thinking skills, students develop an understanding of the research process so that they are able to read, interpret, and begin to evaluate research findings for application to nursing practice.

NUFT 431 Nursing Care of the Childbearing Family (4 credits)

Emphasis is placed on using a family-centered approach to examine the physiological and psychosocial aspects of childbearing. Low and high-risk pregnancies and the impact on the family are explored. Concurrent clinical experiences provide opportunities to apply evidence-based nursing care to address the health promotion, maintenance, and restoration needs of the childbearing family.

NUFT 433 Nursing Care of Children (4 credits)

Promotion, maintenance and restoration of health in infancy and childhood is examined using evidence-based nursing practice. Environmental influences on the child's physical, social and psychological health are explored. Legal, ethical and cultural influences on healthcare in childhood are considered. Multidisciplinary relationships, with

the family at the center of care, are discussed in the context of holistic, humanistic and altruistic nursing practice. Concurrent clinical experiences provide opportunities to apply critical thinking.

NUFT 435 Transition to Professional Role I (1 credit)

This course provides the student with a review of the integration of nursing concepts. Students participate in an interactive application through the utilization of exam questions and essential concept review.

NUFT 442 Aggregate Based Nursing Care (5 credits)

The components of nursing and aggregate based care in the community setting are emphasized. Focus is placed on health promotion and disease prevention. Health policy, environmental health risks, and global health are explored. Concurrent clinical experiences facilitate application of course content.

NUFT 444 Leadership (5 credits)

This course provides students with the opportunity to apply leadership principles and evaluate various roles of the professional nurse. Students analyze patient safety initiatives that support safe and effective care based on current evidence-based practices. Students critically appraise current issues and trends in nursing and health care and their effects on patient outcomes and the economy of health care.

NUFT 446 Transition to Professional Role II (1 credit)

This course provides the student with a review of the integration of nursing concepts. Students participate in an interactive application through the utilization of exam questions and essential concept review.

NUFT 461 Medical-Surgical Nursing III (5 credits)

This course provides an opportunity for the student to care for complex patient in a variety of acute care settings. Nursing care will address health assessment, illness prevention, and health restoration to promote optimal functioning for patients with multiple health care problems. Patients with multiple organ dysfunctions are cared for across the lifespan.

Nursing – Traditional Program

NURS 202 Introduction to Professional Nursing (2 credits)

Prerequisites: ENGL 101 MATH 109, 110, 150, 210 or 211 BIOL 120 or BIOL 113, BIOL 207, BIOL 208

Co-requisites: NURS 204, NURS 206, BIOL 206, PSYC 208

This course introduces the student to the Holy Family University BSN Program curriculum and the profession of nursing. It is designed to provide the student with opportunities to develop critical thinking skills through the use of the nursing process. Professional values, standards, and guidelines are examined as a basis for discussion of the current and emerging roles of the professional nurse.

NURS 204 Foundations of Nursing Practice (5 credits)

Prerequisites: ENGL 101, MATH 109 or 110, BIOL 120 or BIOL 113, BIOL 207, BIOL 208

Co-requisites: NURS 202, NURS 206, BIOL 206, PSYC 208

This course is designed to introduce students to fundamental concepts in nursing care. The nursing process is used as the framework for clinical reasoning. Emphasis is placed on developing basic skills needed to assess, plan, implement, and evaluate selected nursing interventions and technologies. Students gain competency through practice in a supportive and supervised environment in a nursing laboratory.

NURS 206 Nutrition (3 credits)

Prerequisite: ENGL 101 MATH 109 or 110, BIOL 120 or BIOL 113, BIOL 207, BIOL 208

Co-requisites: NURS 202, NURS 204, BIOL 206, PSYC 208

This course emphasizes Healthy People. Initiatives for health promotion and health restoration are studied. Students develop the knowledge and critical thinking skills necessary to provide nutrition education, care for individuals and families from various cultures, and identify community resources for nutritional care.

NURS 234 Nursing Pathways to Progress (3 credits)

Prerequisite: receiving a failing grade in a nursing course; all transfer students

The Pathway to Progress will result in student achievement of nursing course and curricular objectives in which there is a known deficiency using a structured individualized plan of study. Students will participate in the Pathway to Progress the semester after withdrawal from a nursing course or after receiving a failing grade in a nursing course. Students will be permitted to continue to progress in the program after successful completion of the Pathway to Progress pending course space availability.

NURS 341 Medical-Surgical Nursing I (7 credits)

Prerequisite: BIOL 206, PSYC 208, 200 level NURS courses

Co-requisites: NURS 343, NURS 345, NURS 347, MATH 130

This course provides the student with an immersion into professional nursing. Health assessment and illness prevention is presented through a concept-based framework. Students are introduced to the nursing care of individuals experiencing selected health alterations with concurrent clinical experiences.

NURS 343 Applied Pharmacology for Nursing Care I (2 credits)

Prerequisites: BIOL 206, PSYC 208, 200 level NURS courses

Co-requisites: NURS 341, NURS 345, NURS 347, MATH 130

Pharmacotherapeutic aspects of nursing care are introduced and applied across the life span to individuals and families experiencing selected health alterations. Pharmacologic actions and responses associated with major drug classifications, nursing assessment, and patient/family education are emphasized.

NURS 345 Nursing and Older Adult Health Promotion (2 credits)

Prerequisites: BIOL 206, PSYC 208, 200 level NURS courses,

Co-requisites: NURS 341, NURS 343, NURS 347, MATH 130

The physiological, psychosocial, cultural, spiritual, and environmental changes experienced by older individuals and their families are examined. Theories of aging, as well as healthy aging, restorative care, and supportive interventions to promote and maintain wellness in older adults are explored. Emphasis is placed on the roles of the nurse as coordinator of care for older adults and their families. The special advocacy issues of older clients and their families are also addressed.

NURS 347 Transition to Clinical Nursing (1 credit)

Prerequisites: BIOL 206, PSYC 208, 200 level NURS courses

Co-requisites: NURS 341, NURS 343, NURS 345, MATH 130

This course provides for the integration of concepts and theories into nursing practice. The discussion and presentation of case studies will facilitate synthesis of level content and previous learning. Students will be actively working in groups throughout the semester. The course will facilitate beginning 300 level nursing students' successful transition into clinical nursing courses.

NURS 349 Psychiatric-Mental Health Nursing (3 credits)

Prerequisite: NURS 341, NURS 343, NURS 345, NURS 347, MATH 130

Co-requisites: NURS 351, NURS 353, NURS 355

This course introduces students to psychiatric-mental health nursing and focuses on health restoration and maintenance of patients across the lifespan. Concepts of critical thinking, evidence-based practice, communication/collaboration, professional leadership, healthcare policy, cultural humility, professional values, and information technology are presented within the context of the nurse as a member of a profession, provider of care, and leader/manager of health care.

NURS 351 Medical-Surgical Nursing II (7 credits)

Prerequisites: NURS 341, NURS 343, NURS 345, NURS 347, MATH 130

Co-requisites: NURS 349, NURS 353, NURS 355

This course provides the student with a continued immersion into professional nursing. Health assessment, illness prevention, health restoration, and palliation are presented through a concept-based framework. The nursing care of individuals experiencing selected health alterations is continued with concurrent clinical experiences.

NURS 353 Applied Pharmacology for Nursing Care II (2 credits)

Prerequisites: NURS 341, NURS 343, NURS 345, NURS 347, MATH 130

Co-requisites: NURS 349, NURS 351, NURS 355

Advanced pharmacotherapeutic aspects of nursing care are explored and applied across the life span to individuals and families experiencing selected health alterations. Pharmacologic actions and responses associated with major drug classifications, nursing assessment, and patient/family education are emphasized.

NURS 355 Research for Evidence-Based Nursing Practice (3 credits)

Prerequisites: NURS 202, 204, 341, 343, 345, 347

Co-requisites: NURS 351, 353, 349

Using critical thinking skills, students develop an understanding of the research process so that they are able to read, interpret, and begin to evaluate research findings for application to nursing practice.

NURS 390 Essential Elements of Perioperative Nursing Practice (4 credits)

This introductory course to perioperative nursing practice is designed to facilitate articulation for the nursing graduate or experienced RN to a professional operating room nurse through classroom and preceptored clinical experiences. The course focuses on developing perioperative nursing skills. Peer support and continuous feedback will be provided throughout the experience.

NURS 431 Nursing Care of the Childbearing Family (4 credits)

Prerequisites: NURS 349, NURS 351, NURS 353

Co-requisites: NURS 433, NURS 435, NURS 461

Emphasis is placed on using a family-centered approach to examine the physiological and psychosocial aspects of childbearing. Low and high-risk pregnancies and the impact on the family are explored. Concurrent clinical experiences provide opportunities to apply evidence-based nursing care to address the health promotion, maintenance, and restoration needs of the childbearing family.

NURS 433 Nursing Care of Children (4 credits)

Prerequisites: NURS 349, NURS 351, NURS 353

Co-requisites: NURS 431, NURS 435, NURS 461

Promotion, maintenance and restoration of health in infancy and childhood is examined using evidence-based nursing practice. Environmental influences on the child's physical, social and psychological health are explored. Legal, ethical and cultural influences on healthcare in childhood are considered. Multidisciplinary relationships, with the family at the center of care, are discussed in the context of holistic, humanistic and altruistic nursing practice. Concurrent clinical experiences provide opportunities to apply critical thinking.

NURS 435 Transition to Professional Role I (1 credit)

Prerequisites: NURS 349, NURS 351, NURS 353

Co-requisites: NURS 431, NURS 433, NURS 461

This course provides the student with a review of the integration of nursing concepts. Students participate in an interactive application through the utilization of exam questions and essential concept review.

NURS 442 Aggregate Based Nursing Care (5 credits)

Prerequisites: NURS 431, NURS 433, NURS 435, NURS 461

Co-requisites: NURS 444, NURS 446

The components of nursing and aggregate based care in the community setting are emphasized. Focus is placed on health promotion and disease prevention. Health policy, environmental health risks, and global health are explored. Concurrent clinical experiences facilitate application of course content.

NURS 444 Leadership (5 credits)

Prerequisites: NURS 431, NURS 433, NURS 435, NURS 461

Co-requisites: NURS 442, NURS 446

This course provides students with the opportunity to apply leadership principles and evaluate various roles of the professional nurse. Students analyze patient safety initiatives that support safe and effective care based on current evidence-based practices. Students critically appraise current issues and trends in nursing and health care and their effects on patient outcomes and the economy of health care.

NURS 446 Transition to Professional Role II (1 credit)

Prerequisites: NURS 431, NURS 433, NURS 435, NURS 461

Co-requisites: NURS 442, NURS 444

This course provides the student with a review of the integration of nursing concepts. Students participate in an interactive application through the utilization of exam questions and essential concept review.

NURS 461 Medical-Surgical Nursing III (5 credits)

Prerequisites: NURS 349, NURS 351, NURS 353

Co-requisites: NURS 431, NURS 433, NURS 435

This course provides an opportunity for the student to care for complex patient in a variety of acute care settings. Nursing care will address health assessment, illness prevention, and health restoration to promote optimal functioning for patients with multiple health care problems. Patients with multiple organ dysfunctions are cared for across the lifespan.

Nutrition

NUTR 101 Introduction to Nutrition (3 credits)

The choices we make about food and nutrition shape our health and wellness throughout our lives. This course dives into the factors influencing our dietary choices, from cultural influences to personal tastes. We'll explore macronutrients, micronutrients, governmental dietary guidelines, and practical assessment tools to design nutrition plans that improve well-being and weight management. This online class has optional live sessions.

NUTR 201 Food Science (3 credits)

Prerequisite: NUTR 101

Food Science lives at the intersection of culture, health, and innovation. By understanding the composition of foods, we can determine the best methods for their preparation, and how different cooking and preservation techniques affect food quality, safety, and nutritional value. Learn about food categories, such as the role of lactose and casein in dairy, and the science behind various preparation methods. This online class has optional live sessions.

NUTR 301 Food Economics (3 credits)

Prerequisites: NUTR 101, 201

Food Economics isn't just about numbers-it's about people. Inequalities in our global food system often mirror the broader disparities in society. By understanding these systems, we can bring about transformative change. This course tackles the essentials: preventing foodborne illnesses, mastering procurement, and ensuring production quality. You'll learn the real-world calculations behind food costs and discover how food systems can save lives. This online class has optional live sessions.

NUTR 310 Lifecycle Nutrition I (3 credits)

Prerequisites: NUTR 101, 201, 301

From preconception to adolescence, nutrition shapes our health trajectories. This course explores how early choices, like breastfeeding or formula feeding, impact a child's development milestones and potential food allergies. As children grow, we'll examine how dietary needs and relationships with food evolve, especially during adolescence. Learn about the pivotal role of nutrition during early life and how it can mold health and self-perception. This online class has optional live sessions.

NUTR 401 Lifecycle Nutrition II (3 credits)

Prerequisites: NUTR 101, 201, 301, 310

In adulthood, nutritional habits solidify. We'll explore how early adulthood sets foundational food choices, and middle adulthood introduces complexities with work, family, and the onset of chronic diseases. Lastly, we'll explore the challenges faced in geriatric nutrition, including the impacts of polypharmacy. Throughout, a recurring theme will be weight management, emphasizing its role in promoting sustained health and activity. This online class has optional live sessions.

NUTR 410 Medical Nutrition Therapy (3 credits)

Prerequisites: NUTR 101, 201, 301, 310

Through this course, students will gain insights into how medical and social histories play a crucial role in accurate nutrition diagnoses. The course also highlights various counseling techniques and introduces therapeutic diets tailored to address specific health challenges. Emphasizing the importance of monitoring and evaluating outcomes, this course prepares students for effective and informed interventions. This online class has optional live sessions.

Philosophy

PHIL 101 Philosophy and the Good Life (3 credits)

This course explores timeless philosophical questions such as: Is there any objective goodness, truth, beauty, meaning, and/or purpose? Is there any God? Do we have souls? How can we know anything? Are we free? What is the best way to live? History, context, and key figures will be examined.

PHIL 101 HNR Honors Philosophy and the Good Life (3 credits)

Placement by Honors Program admissions

This Honors course explores timeless philosophical questions such as: Is there any objective goodness, truth, beauty, meaning, and/or purpose? Is there any God? Do we have souls? How can we know anything? Are we free? What is the best way to live? History, context, and key figures will be examined.

PHIL 104 Political Philosophy (3 credits)

Political philosophy arises out of the very nature and practice of politics because it addresses itself to the question, "How should we live together?" This course is an examination of historical and contemporary answers to that

perennial question.

PHIL 201 Philosophy of Human Nature (3 credits)

Investigation into the principles characterizing human nature and human destiny from historical and contemporary perspectives. Study of issues such as the relationship between human beings and other animals; the nature of soul and mind and brain; the relation between thought and action; the character of laws of human behavior and their implications for freedom of will.

PHIL 202 Logic (3 credits)

Rules and principles of informal logic, and formalized systems of deductive logic, including syllogisms, truth-functions, and quantificational logic. Introduction to symbolic logic and formal methods of proof.

PHIL 205 Bioethics (3 credits)

Analysis of ethical principles in their relationship to medicine, nursing, and scientific research. The problems of the rights of patients. The rights and duties of physicians and nurses. Specific problems such as euthanasia, artificial insemination, and dying.

PHIL 207 Philosophy of Religion (3 credits)

This course is a philosophical exploration of religion. As such it addresses such questions as: Does God exist? What is the nature of religious belief? What is the relationship between faith and reason? Is it reasonable to believe in God when there is so much suffering in the world?

PHIL 208 Business Ethics (3 credits)

Examination of selected major ethical problems specific to the American business world. Considers theoretical issues relating business activities to various concepts of human good in the light of actual case studies.

PHIL 210 Asian Philosophy (3 credits)

This course will examine the thought of classical philosophers in the Indian, Chinese, Japanese, and Korean traditions, focusing on how the metaphysical beliefs in various traditions have given rise to contrasting views of how to live well, our obligations to one another, and the purpose of life.

PHIL 212 Philosophy of Education (3 credits)

The task of philosophy of education is to ask meta-questions about education and learning, such as: What is education and what is its purpose? How should human nature inform pedagogy? Who should be in control of education? How is education different than indoctrination? Is meritocracy in education just?

PHIL 215 Existentialism (3 credits)

This course introduces students to existentialism by engaging with questions like: What should our attitude be to the scientific and technological domination of the world? What are the ramifications of the death of God? Is the existentialist emphasis on freedom, choice, and living authentically compatible with social responsibility?

PHIL 216 Philosophy of Love (3 credits)

This course is a philosophical exploration and analysis of love. Course topics might include the following: familial love, friendship, romance, the love of God, courtly love, marriage and divorce, intimacy, gender and identity, feminist reflections on love, sex, and the family, and more.

PHIL 218 Philosophy of Science (3 credits)

This course addresses philosophical questions concerning the nature and history of science, the epistemic status of scientific knowledge, the metaphysical assumptions underlying scientific inquiry, and the ethical dimensions of scientific research.

PHIL 301 Ethics (3 credits)

Critical examination of the problems and concepts of moral philosophy in classical and contemporary contexts. Detailed analysis of ethical theories such as utilitarianism, deontology, communitarianism, and virtue theory.

PHIL 303 Philosophy of Art (3 credits)

Analysis of aesthetic work, experience, person, and act. Study of topics such as the analysis of beauty, aesthetic judgment, representation and expression, art and moral responsibility, art and religious expression, the creative activity, the relation between art and theory, and the task of aesthetic criticism.

PHIL 307 Social Ethics (3 credits)

Analysis of contemporary social issues such as world hunger, gender equality, pornography and censorship, and affirmative action. Emphasizes critical reading of diverse views on the central ethical questions raised by such issues.

PHIL 325 Junior Seminar (3 credits)

Intensive study of the work of a major philosopher, a particular philosophical problem, method, or period. Recommended for Humanities majors.

PHIL 425 Senior Seminar (3 credits)

Intensive study of the work of a major philosopher, a particular philosophical problem, method or period. Recommended for Humanities majors.

Philosophy – Accelerated**PHL 101 Introduction to Philosophy (3 credits)**

This course challenges and supports participants to develop the basic skills employed in philosophical thinking. Major philosophical questions to be addressed include: human nature, the nature of reality and being, the existence of God, sources of knowledge, and the foundations of ethics and morality.

PHL 202 Logic (3 credits)

Rules and principles of informal logic and formalized systems of deductive logic, including syllogisms, truth functions and quantificational logic. Introduction to symbolic logic and formal methods of proof.

PHL 205 Bioethics (3 credits)

Analysis of ethical principles in their relationship to medicine, nursing, and scientific research. The problems of the rights of patients. The rights and duties of physicians and nurses. Specific problems such as euthanasia, artificial insemination, and dying.

PHL 304 Contemporary Moral Ethics (3 credits)

This course challenges students to develop the conceptual and reasoning skills necessary for addressing the moral issues confronted in everyday life and enable them to make better decisions. A final paper involves presenting and defending a moral issue.

Physics**PHYS 104 Introduction to Physics (3 credits)**

This course will explore the most fundamental of the sciences, Physics! In this course you will learn the basics of energy, matter, motion and their interactions. Physics is the basis for all other sciences, such as biology and chemistry because it explains the fundamental way the universe works.

PHYS 201 General Physics I (4 credits)

Prerequisite: MATH 210 or MATH 211

Three hours of lecture and one 2-hour lab.

Basic physical properties and applications. Vectors, force, rectilinear motion, rotational motion, motion in a plane, momentum, gravitational fields, work, energy, periodic motion, elasticity, heat, kinetic theory, nature of waves and sound.

PHYS 202 General Physics II (4 credits)

Prerequisite: PHYS 201

Three hours of lecture and one 2-hour lab.

Electrostatics, electric fields, potential, capacitance, D.C. circuits, magnetic fields, magnetic forces, induced EMF, nature and physical properties of light, geometrical optics, basic atomic and nuclear physics.

Political Science**POLS 204 American National Government (3 credits)**

Structure and operation of the American system of government on local, state, and national levels with reference to the contemporary political scene.

POLS 210 Introduction to International Relations (3 credits)

This course offers an introduction to the nation-state system; the development and organization of nation-states, blocs and international organizations and the factors, both external and internal, that affect stability and change in the system.

POLS 214 Current Events (3 credits)

This course will analyze contemporary issues in politics from a multiplicity of perspectives - conservative, liberal, progressive, Marxist, and others. The topics covered in the course will depend on what is in the news but may include: political economy, race, gender, health care, civil liberties, reproductive rights, immigration, etc.

POLS 320 Theories of Social Change (3 credits)

The goal of this course is both theoretical and practical. First, we will articulate, defend, and critique various theories of social change. Second, each student will develop their own theory of how best to productively work for social goals. Cross-listed with PHIL-320.

Political Science – Accelerated**POL 210 Introduction to International Relations (3 credits)**

This course provides an introduction to international relations. Specifically, students analyze political theories, historical events, national economies, and world geography. Particular emphasis is placed on the impact of American business development in relation to the nation's foreign policy.

Political Science, Philosophy, Economics, Sociology**PPES 305 Four Trials (3 credits)**

Trials force us to consider competing claims of justice, demand careful analysis of evidence, and yield arguments for and against the involved parties. Some trials, however, transcend the parties involved and instead reveal the tensions between bigger institutions and ideas. In this course, we will study four major historical trials to investigate the conflicts between philosophy and politics (Socrates), politics and religion (Jesus), religion and science (Galileo), and the individual and the modern state (Eichmann).

PPES 309 Political Ideologies (3 credits)

This course explores timeless philosophical questions such as: Is there any objective goodness, truth, beauty, meaning, and/or purpose? Is there any God? Do we have souls? How can we know anything? Are we free? What is the best way to live? History, context, and key figures will be examined.

PPES 311 Who Has Revolutionary Knowledge? (3 credits)

Can we identify who should lead a revolution before it even begins? Today, some people suggest that the answer is "yes," saying that we need members of underrepresented groups to bring us to a more equal society. As political outsiders, such groups-e.g., women, racial minorities, members of the LGBTQ community, etc.-are often seen as having special insight into what is needed to create a just society. This course will look at the history of such thinking, from 18th-century Germany to the modern day in the United States. Collectively, we will try to answer the question: can we figure out who will lead us to a more free and equal society? If so, how? If not, why not?

PPES 314 Virtue and Citizenship (3 credits)

In this course, we will investigate what it means to be a virtuous person and a good citizen. Can we ever be both? What happens when the demands of morality come into tension with the demands of citizenship? How can we create societies that harmonize these two demands as best as possible? We will investigate these questions through philosophical texts and real-world examples, both historical and contemporary.

PPES 317 Race and Labor (3 credits)

The belief that people can be divided into distinct racial groups was born from the need of exploiters (namely, European exploiters) to justify and maintain their exploitation of non-European peoples and the land they occupied. Racial ideology, then, was developed to facilitate elites' and colonizers' attainment of cheap labor and resources. Accordingly, to understand the history of race, we must understand the relationship between race and labor. This course begins by examining "race" and "labor" as concepts in and of themselves. After that, we look at the relationship between the two ideas, from colonization to the modern day. The course looks at this dynamic through both historical and theoretical lenses. And while we will attend to some of the global dimensions of race and labor, we will primarily examine how the two relate in the United States. This course aims to provide students with a better understanding of the genesis and perpetuation of racial hierarchy.

PPES 322 Research Methods (3 credits)

Research methods course for PPES majors.

PPES 350 Internship (3 credits)

Internship for PPES majors

PPES 351 Internship II (3 credits)

Internship for PPES majors

PPES 420 PPES Capstone (3 credits)

Throughout your time as a PPES major, you have been exposed to many different issues addressed in the social sciences and humanities. This Capstone allows you to pursue whatever topic has interested you most as a PPES major. In this course, you will develop and execute your own research project under the guidance of your instructor. Your project must 1) fit within one, or several, of the PPES subfields, 2) be achievable within a single semester and 3) sustain-and hopefully increase-your curiosity of the subject. Moreover, your project should allow you to reflect on how you would like your life to take shape post-graduation. For example, if you're interested in going into law, you might compare and contrast how different public prosecutors approach plea bargaining. Or, if you're concerned about how, you might live an ethical life, you might take a deep dive into the work and secondary literature on Kirkegaard. Your project should both reflect what you've learned while at Holy Family and help you imagine who you want to be and how you want to relate to the world around you going forward. The research project will culminate in a final paper and presentation.

Professional Sales and Marketing**PSAM 101 Relationship Driven Professional Sales (3 credits)**

This course will not just teach you about selling, it will teach you how to sell. This experiential learning-based course will provide you with best practice models of selling. It will cover selling from prospecting through relationship building, and through the use of role-plays and other experiential activities it will equip the student with the fundamental knowledge, skills, and attitudes necessary to succeed in a professional selling position. This online class has optional live sessions.

PSAM 201 Negotiation in Business and Sales (3 credits)

You may not realize it, but negotiations are a constant part of life. In business, negotiations are key parts of a corporation's strategy. In your personal life, negotiations play the same role - you negotiate which movie to watch with your friends or what apartment to rent with your partner. This course will introduce you to the concepts behind negotiation and provide opportunities to practice and develop your own negotiating style. This online class has optional live sessions.

PSAM 301 Sales Leadership (3 credits)

Effective sales leadership requires a mastery of the "hard" analytical skills as well as the "soft" skills for effective management and coaching. This course will explore key sales and management concepts, and give you the opportunity to put them into practice. By the end of this course, you will be able to coach salespeople and excel as a sales leader. This online class has optional live sessions.

PSAM 401 Advanced Relationship-Driven Professional Sales (3 credits)

You've already learned the fundamentals of effective selling. This course will help you hone your sales skills and take them to the next level by teaching you how to think through the sales process as a master planner, listener, negotiator and partner. By the end of this course you will have mastered the skills necessary to be a compelling and credible salesperson. This online class has optional live sessions.

Psychology**PSYC 110 Introduction to Psychology (3 credits)**

An introduction to the study of human behavior. Explores the origins of psychology as well as the major subfields within the domain, including: the history of psychology, research methods, biological psychology, social psychology, stress and coping, psychological disorders, treatment of psychological disorders, learning, emotion, motivation, and human development.

PSYC 110 HNR Honors Introduction to Psychology (3 credits)

Placement by Honors Program admissions

An introduction to the study of human behavior. Explores the origins of psychology as well as the major subfields within the domain, including: the history of psychology, research methods, biological psychology, social psychology,

stress and coping, psychological disorders, treatment of psychological disorders, learning, emotion, motivation, and human development.

PSYC 111 Behavioral Practitioner Preparation (3 credits)

Behavioral Practitioner and Preparation will help prepare students to begin working in a helping profession supporting individuals utilizing the principles of applied behavior analysis to apply fundamental skills to assist students/clients in acquiring the fundamental skills to allow them to engage in socially significant behaviors.

PSYC 204 Infant and Child Development (3)

This course examines psychological, physical, emotional, cognitive, and familial development during infancy and childhood (prenatal - 11 years). This course integrates theory with empirical evidence while exploring the milestones of these developmental stages. Emphasis is placed on understanding how ethnicity, culture, socioeconomic class, and gender influence infants and children.

PSYC 206 Child and Adolescent Development (3 credits)

May not be combined with PSYC 208

The study of human growth and development from conception through childhood and adolescence within the biological, cognitive, and psychosocial domains. Emphasis on contemporary theories and research.

PSYC 207 Adult Development and Aging (3 credits)

May not be combined with PSYC 208

Multidisciplinary exploration of the biological, psychological, and social domains of the lives of adults. Includes theoretical perspectives on changes in adult experience beginning in the second decade.

PSYC 208 Lifespan Development for Non-Majors (3 credits)

May not be combined with either PSYC 206 or PSYC 207

Not recommended for psychology majors

Multidisciplinary study of human growth from conception until death within the biosocial, social, cognitive, and psychosocial domains. Emphasis on contemporary theories and research.

PSYC 210 Gender Issues (3 credits)

Analysis through reading and discussion of the physiological, social, emotional, and cultural correlates of gender. Expectation for gender-typed behavior is contrasted with the realities of men's and women's lives.

PSYC 211 Scientific Writing for the Social and Behavioral Sciences (3 credits)

Prerequisites: PSYC 110 or PSYC 101 and ENGL 104

Provides a solid foundation for writing in APA style, communicating research findings, and improving upon basic writing skills. Students will write documents used to communicate information from scientific literature in the social and behavioral sciences and will learn to write in a variety of formats (e.g., abstracts, poster presentations, journal-style manuscripts).

PSYC 212 Psychology of Health and Illness (3 credits)

Explores the relationship between psychological factors and the development of illnesses, the role that these factors play in maintaining a healthy lifestyle and preventing disease, and how psychologists can assist in the management of chronic and terminal illnesses.

PSYC 213 Adolescent Development (3 credits)

This course examines psychological, physical, emotional, cognitive, peer, familial, and social development during adolescence (ages 11-18). This course integrates theory with empirical evidence while exploring the milestones of these developmental stages. Emphasis is placed on understanding how ethnicity, culture, socioeconomic class, and gender influence adolescents.

PSYC 215 Industrial and Organizational Psychology (3 credits)

Demonstration via case studies of the use of psychological principles to deal with work problems. Consideration of employee selection and training, behavior modification in industry, leadership styles, and motivational techniques.

PSYC 220 Addictions-A Lifespan Perspective (3 credits)

An overview of central issues in various dependencies including chemical, eating, and gambling. Addresses conceptual and definitional issues as well as different perspectives on diagnosis, intervention, treatment, and prevention. Exploration of psychosocial, structural, and cultural aspects of addictions.

PSYC 270 Psychology & Popular Culture (3 credits)

In this course, students will explore a variety of different psychological concepts with changing themes each semester. This seminar-style course uses popular culture sources to explore relevant topics in psychology, drawing from a wide range of subdisciplines (e.g., clinical, social, cognitive, developmental, behavioral). Through class discussion and small group work, emphasis will be placed on developing written and oral communication skills, as well as understanding major psychological concepts and theories.

PSYC 275 The Sociology and Psychology of Sport (3 credits)

Emphasizes the societal context of sport as a social institution, as well as the psychological aspects of involvement in the world of sports. Discusses the relationship between societal values, culture, and the behavior of men and women participating in sports.

PSYC 305 Physiological Psychology (3 credits)

Prerequisite: PSYC 110 or BIOL 120

Explores the neurological and physiological foundations of behavior with an emphasis on functional neuroanatomy, genetics, and the physiological bases of sensation, perception, emotion, motivation, learning, and higher mental functions.

PSYC 309 Multiculturalism Perspectives on Mental Health (3 credits)

The exploration of multicultural perspectives on psychological disorders. Emphasis on both empirically-based research and diverse first-person accounts.

PSYC 311 Statistics for Social and Behavioral Sciences (3 credits)

Introduction to the statistical analysis of behavioral and social data, including descriptive and inferential statistics. Designed to provide students with the applications of statistical concepts rather than an emphasis on their mathematical derivations.

PSYC 312 History and Systems of Psychology (3 credits)

Prerequisite: PSYC 110

This course explores the evolution of modern psychological thought and methodology, from early theoretical paradigms to more contemporary perspectives. Major contributors to the field are highlighted, as is the influence of cultural and political forces on psychological theory and practice.

PSYC 315 Psychopharmacology (3 credits)

Prerequisite: PSYC 110 or BIOL 115

This course is intended to acquaint students with fundamentals of psychotropic drugs. The course will cover the major classes of drugs, the behavioral, psychological, and physiological effects of these drugs, along with their use in the treatment of disorders.

PSYC 318 Globalization (3 credits)

This course examines contemporary global issues from various perspectives within the social sciences. Specifically, this course will attempt to broaden the student's worldview and expand knowledge of global issues by emphasizing the sociological, psychological, geographical, political, and economic influences on globalization.

PSYC 319 Psychology of Play (3 credits)

Study of the educational, therapeutic, and recreational role of play in children. Application of theory and scientific findings to create meaningful, inclusive play experiences is emphasized.

PSYC 320 Research Design in Applied Behavior Analysis (3 credits)

Prerequisite: PSYC 333

This course will provide the student with information regarding the rationale, design, and application of research designs in applied behavior analysis with a focus on single subject designs. The student will have the opportunity to propose and design a study that utilizes the principles of applied behavior analysis.

PSYC 322 Research Methods (3 credits)

Prerequisite: PSYC 311

Introduction to qualitative and quantitative research methods such as experimentation, survey, interview, secondary data analysis, and observation. Consideration of design, measurement, and sampling issues, emphasizing detailed planning prior to data collection and analysis. Students will learn how to collect data, which are then analyzed using statistics.

PSYC 324 Qualitative Research Methods (3 credits)

Introduction to qualitative research methods such as narrative analysis, phenomenological investigation, grounded theory, case study, and ethnography. Consideration of the richness of qualitative data, and insights and generalizations that can be made through such data. Students will collect and analyze data using statistics and other methods.

PSYC 330 Positive Psychology (3 credits)

Study of Positive Psychology, including optimism, flow, happiness, well-being, meaning-making, and strengths. Empirically-based practical applications are emphasized.

PSYC 331 Sensation and Perception (3 credits)

Prerequisite: *PSYC 110 or BIOL 120*

Discussion of structure, function, and interpretative properties of the senses. Emphasis on vision and hearing.

PSYC 332 Cognitive Processes (3 credits)

Prerequisite: *PSYC 110 or BIOL 120*

Discussion of higher mental functions such as memory, thinking, language, and problem-solving through examination of contemporary research in the field.

PSYC 333 Behavior Modification (3 credits)

Prerequisite: *PSYC 110*

Introduction to principles of learning through discussions of early and contemporary learning theory, including applied behavior analysis (ABA). Application of principles in educational and therapeutic settings are also examined.

PSYC 338 Reading and Writing Minds: Psychology & Literature (3 credits)

Prerequisites: *ENGL 101 or 103; ENGL 115 and PSYC 110*

An examination of how psychological theories and literary narratives imagine the workings of the mind. Emphasis is on the identifying and analyzing psychological principles in creative writing and film.

PSYC 341 Family Violence (3 credits)

A family systems perspective on physical, sexual, and emotional abuse of and by family members. Studies spousal, parental, child, sibling, and elder abuse and neglect as they exist in American society. Highlights common elements in all types of abuse as well as treatment and prevention.

PSYC 342 Loss and Grief (3 credits)

Examination of the dynamics of loss and mourning, societal attitudes about death, and the stress of grief and mourning. Explores cultural variations in dealing with loss and death.

PSYC 343 Social Psychology (3 credits)

Prerequisite: *PSYC 110*

Study of the individual within the social context. Addresses the reciprocal influences between everyday social situations and the individual. Special topics include: aggression, relationships, person perception, conformity and obedience, prejudice, and group processes.

PSYC 344 Group Dynamics (3 credits)

Study of the dynamics of group life and the variables that affect it from a theoretical and experiential perspective. Active participation by students is encouraged.

PSYC 345 Psychopathology (3 credits)

Prerequisite: *PSYC 110*

Study of abnormal behavior in individuals; theoretical formulations of psychopathology; classification, etiology, and treatment of the major classes of abnormal behavior including schizophrenia, depression, anxiety disorders, substance abuse, psychosomatic problems, and organic syndromes.

PSYC 346 Theories of Personality (3 credits)

Prerequisite: *PSYC 110*

Survey of major personality theorists, attempting to critique, integrate, and apply their major constructs and research findings.

PSYC 347 Introduction to School Counseling (3 credits)

This course is designed to provide students with an examination of the profession of school counseling. It will include examination of the philosophy, history, and current trends in school counseling and in education, as well as

investigating the concept of developmental counseling programs for P-12 students and the national model and standards for school counseling programs. In addition, information will be provided as to the diversity of roles, job outlook, and specializations within the counseling field.

PSYC 348 Child Life Theory and Practice (3 credits)

This course provides an overview of the field of child life and the role of child life specialists in promoting the well-being of children and families in health care settings and other challenging environments. Students will strengthen their theoretical knowledge and clinical skills to prepare themselves for supporting children and their families in the healthcare setting. This course will cover the six required topics set forth by the Association of Child Life Professionals (ACLP): (1) Official ACLP documents; (2) Scope of practice; (3) Impact of illness, injury and healthcare on patients and families; (4) Family-centered care; (5) Therapeutic play; and (6) preparation.

PSYC 350 Internship I (3 credits)

Designed to provide professional experiences that blend theoretical and practical learning. Students must contact psychology internship instructor prior to registration.

PSYC 351 Internship II (3 credits)

Prerequisite: PSYC 350

This course is a continuation of the internship experience. Students must contact psychology internship instructor prior to registration.

PSYC 352 Junior Seminar in Psychology (3 credits)

Provides psychology majors with resources in career planning toward specific post-graduation goals of either seeking psychology-related employment or applying for graduate school. The course is designed to facilitate preparation for senior year in college, an internship placement at psychology-related site (if applicable), and establishment of a successful work identity and goals.

PSYC 354 Introduction to Autism Spectrum Disorders (3 credits)

This course will focus on providing students with a background in Autism Spectrum Disorders. Topics in the course include applied behavior analysis, sensory and auditory integration and social skills training, with an emphasis on the history and etiology of autism, educational opportunities, etiology and cultural attitudes.

PSYC 355 Behavioral Applications of Autism Spectrum Disorders (3 credits)

This course will focus on the theoretical understanding of Applied Behavior Analysis (ABA) and practical applications of methods in this field for individuals with exceptionalities, particularly autism spectrum disorders. Students will apply methods in ABA to identify and measure behavior and develop behavioral intervention plans for individuals and groups.

PSYC 356 Introduction to Clinical Applications (3 credits)

The introductory study of interpersonal, clinical, and interviewing skills as applied to the helping professions, such as psychology and counseling. Emphasis is on empirically-based practical skills.

PSYC 357 Developmental Psychopathology (3 credits)

This course emphasizes the study of psychopathology in children and adolescents and introduces the diagnostic criteria, etiology, and the coordination of treatment by a variety of practitioners, including impact from perspectives of persons with lived experiences, in Intellectual Developmental, Autism Spectrum, Attention Deficit/Hyperactivity, Conduct, Trauma and Stressor-related, Anxiety, Mood, Eating, and Substance-related disorders. The students will learn directly from professionals who support children with developmental psychopathologies to identify how these professionals collaboratively support their clients (professionals include: teachers, guidance counselors, school psychologists, school principals, social workers, behavior analysts, neuropsychologists, developmental pediatricians, clinical psychologist, parents, etc.).

PSYC 358 Behavior Change Procedures (3 credits)

This course will focus on the practical applications of behavior change procedures for individuals with exceptionalities, particularly autism spectrum disorders, and those seeking behavioral changes. Students will apply methods in ABA to identify and measure behavior and develop behavioral intervention plans based on function for individuals and groups.

PSYC 421 Criminal Profiling (3 credits)

Prerequisite: PSYC 345 or SOCO 208

This course will cover the intersection of psychology and neuroscience. The course will focus on the biological basis of attention, memory, emotion, language, cognitive control, social cognition, neuroscience and the law, and

methodology used in this field. Diseases/disorders of the brain will also be discussed, including treatment and prevention.

PSYC 425 Psychological Assessment (3 credits)

Prerequisite: PSYC 110

Introduction to psychological and educational testing, both individual and group. Exploration of theoretical foundations and current trends. Critical evaluation of test materials and data interpretation emphasized.

PSYC 431 Seminar: Contemporary Issues in Psychology (3 credits)

Integration of previous coursework through exploration of current issues in the field. Selected readings provide basis for student-led presentations and discussion.

PSYC 433 Advanced Research in Psychology (3 credits)

Prerequisite: PSYC 322

Focuses on the methods commonly used in psychology with emphasis on experimental design. Empirical research project culminating in a paper presentation.

PSYC 450 Research Practicum I (3 credits)

Students will participate in independent research activity in collaboration with a full-time psychology faculty mentor.

PSYC 451 Research Practicum II (3 credits)

Students will participate in independent research activity in collaboration with a full-time psychology faculty mentor.

PSYC 499 Special Topics (3 credits)

Prerequisite: PSYC 110

Exploration of a topic of current and specialized interest. Content varies and several in series may be taken for credit.

Psychology – Accelerated

PSY 110 Introduction to Psychology (3 credits)

An introduction to the study of human behavior. Explores the origins of psychology as well as the major subfields with the domain including: the history of psychology, research method, biological psychology, social psychology, stress and coping, psychological disorders, treatment of psychological disorders, learning, emotion, motivation, and human development.

PSY 206 Child and Adolescent Development (3 credits)

The study of human growth and development from conception through childhood and adolescence within the biological, cognitive, and psychosocial domains. Emphasis on contemporary theories and research.

PSY 207 Adult Development and Aging (3 credits)

Multidisciplinary exploration of the biological, psychological, and social domains of the lives of adults. Includes theoretical perspectives on changes in adult experience beginning with the second decade.

PSY 208 Lifespan Development for Non-Majors (3 credits)

Multidisciplinary study of human growth from conception until death within the biosocial, social, cognitive, and psychosocial domains. Emphasis on contemporary theories and research.

PSY 210 Gender Issues (3 credits)

Analysis through reading and discussion of the physiological, social, emotional, and cultural correlates to gender. Expectation for gender-types behavior is contrasted with the realities of men's and women's lives.

PSY 211 Scientific Writing for the Social and Behavioral Sciences (3 credits)

Prerequisites: PSY 110 and ENG 102

Provides a solid foundation for writing in the APA style, communicating research findings, and improving upon basic writing skills. Students will write documents used to communicate information from scientific literature in the social and behavioral sciences and will learn to write in a variety of formats (e.g. abstracts, poster presentations, journal-style manuscripts).

PSY 212 Psychology of Health and Illness (3 credits)

Explores the relationship between psychological factors and the development of illnesses, the role that these factors play in maintaining a healthy lifestyle and preventing disease, and how psychologists can assist in the management of chronic and terminal illnesses.

PSY 215 Industrial and Organizational Psychology (3 credits)

Demonstrates via case studies the use of psychological principles to deal with work problems. Consideration of employee selection and training, behavior modification in industry, leadership styles, and motivational techniques.

PSY 220 Addictions- A Lifespan Perspective (3 credits)

An overview of central issues in various dependencies including chemical, eating, and gambling. Addresses conceptual and definitional issues as well as different perspectives on diagnosis, intervention, treatment, and prevention. Exploration of the psychosocial, structural, and cultural aspects of addiction.

PSY 305 Physiological Psychology (3 credits)

Prerequisite: PSY 110

Explores the neurological and physiological foundations of behavior with an emphasis in functional neuroanatomy, genetics, and the physiological bases of sensation, perception, emotion, motivation, learning, and higher mental functions.

PSY 311 Statistics for Social and Behavioral Sciences (3 credits)

Introduction to the statistical analysis of behavioral and social data, including descriptive and inferential statistics. Designed to provide students with the applications of statistical concepts rather than an emphasis on their mathematical derivations.

PSY 312 History and Systems of Psychology (3 credits)

Prerequisite: PSY 110

This course explores the evolution of modern psychological thought and methodology, from early theoretical paradigms to more contemporary perspectives. Major contributions to the field are highlighted, as is the influence of cultural and political forces on psychological theory and practice.

PSY 318 Globalization (3 credits)

This course examines contemporary global issues from various perspectives within the social sciences. Specifically, this course will attempt to broaden the student's worldview and expand knowledge of global issues by emphasizing the sociological, psychological, geographical, political, and economic influences on globalization.

PSY 322 Research Methods in Social Sciences (3 credits)

Prerequisite: PSY 311

Introduction to quantitative and qualitative research methods such as experimentation, survey, interview, secondary data analysis, and observation. Consideration of design, measurement, and sampling issues, emphasizing detailed planning prior to data collection and analysis. Students will learn how to collect data which are then analyzed using statistics.

PSY 331 Sensation and Perception (3 credits)

Prerequisite: PSY 110

Discussion of structure, function, and interpretative properties of the senses. Emphasis on vision and hearing.

PSY 332 Cognitive Processes (3 credits)

Prerequisite: PSY 110

Discussion of higher mental functions such as memory, thinking, language, and problem-solving through examination of contemporary research in the field.

PSY 333 Behavior Modification (3 credits)

Prerequisite: PSY 110

Introduction to the principles of learning through discussion of early and contemporary learning theory. Application of principles in educational and therapeutic settings are also examined.

PSY 341 Family Violence (3 credits)

A family systems perspective on physical, sexual, and emotional abuse of and by family members. Studies spousal, parental, child, sibling, and elder abuse and neglect as they exist in American society. Highlights common elements in all types of abuse as well as treatment and prevention.

PSY 342 Loss and Grief (3 credits)

Examination of the dynamics of loss and mourning, societal attitudes about death, and the stress of grief and mourning. Explores cultural variations in dealing with loss and death.

PSY 343 Social Psychology (3 credits)

Prerequisite: PSY 110

Study of the individual within the social context. Addresses the reciprocal influences between everyday social situations and the individual. Special topics include: aggression, relationships, person perception, conformity and obedience, prejudice, and group processes.

PSY 345 Abnormal Psychology (3 credits)

Prerequisite: PSY 110

Study of abnormal behavior in individuals, theoretical formulations of psychopathology; classification, etiology, and treatment of the major classes of abnormal behavior including schizophrenia, depression, anxiety disorders, substance abuse, psychosomatic problems, and organic syndromes.

PSY 346 Theories of Personality (3 credits)

Prerequisite: PSY 110

Survey of major personality theorists, attempting to critique, integrate, and apply their major constructs and research findings.

PSY 350 Internship 1A (1.5 credits)

Designed to provide professional experience that blend theoretical and practical learning. Students must contact psychology internship instructor prior to registration.

PSY 351 Internship 1B (1.5 credits)

Prerequisite: PSY 350

This course is a continuation of the internship experience. Students must contact psychology internship instructor prior to registration.

PSY 352 Junior Seminar in Psychology (3 credits)

Provides psychology majors with the resources in career planning toward specific post-graduation goals of either seeking psychology-related employment or applying for graduate school. The course is designed to facilitate preparation for senior year in college, as internship placement at psychology-related site (if applicable), and establishment of a successful work identity and goals.

PSY 425 Psychological Assessment (3 credits)

Prerequisite: PSY 311

Introduction to psychological and educational testing, both individual and group. Exploration of theoretical foundations and current trends. Critical evaluation of test materials and data interpretation emphasized.

PSY 431 Seminar: Contemporary Issues in Psychology (3 credits)

Integration of previous coursework through exploration of current issues in the field. Select readings provide the basis for student-led presentation and discussion.

Radiologic Science**RADS 102 Patient Care in Radiologic Science (2 credits)**

Prerequisite: Admission to Program

Co-requisite: RADS 104/104L, RADS 106/106L, RADS 120

Basic concepts of patient care, including the physical and psychological needs of the patient and family, routine and emergency patient care procedures, and infection control procedures. The role of the radiographer in patient education will be identified.

RADS 104, 104L Radiographic Imaging I (3 credits)

Prerequisite: Admission to Program

Co-requisites: RADS 102, RADS, 107/107L RADS 120

Introduction to principles and physics of radiographic exposure and equipment. Topics covered are atomic structure, x-radiation interactions with matter, stationary and portable radiographic equipment, electromagnetic spectrum, technical factors and factors that influence spatial resolution. Two hours of lecture, two hours of laboratory.

RADS 107, 107L Radiographic Procedures I (4 credits)

Prerequisite: Admission to program

Co-requisites: RADS 102, RADS 104/104L, RADS 120

Online learning activities supplement three hours lecture, two hours laboratory.

This course provides an introduction to anatomy, radiographic terminology and procedural concepts relevant to radiography. Students will explore both essential and non-essential radiographic projections used when imaging the chest, abdomen, upper extremity, shoulder girdle and lower extremity. Students will also evaluate radiographic images to assess positioning, pertinent anatomy and image quality. Emphasis is placed on practical skill development through simulation and hands-on laboratory experiences.

RADS 109, 109L Radiographic Procedures II (4credits)

Prerequisite: RADS 120

Co-requisites: RADS 122, RADS 202/202L,

Online learning activities supplement three hours lecture, two hours laboratory.

This course is a continuation of Radiographic Procedures I. Students will explore both essential and non-essential radiographic projections used when imaging the lower extremity, femur, pelvic girdle, spine and GI System. Students will also evaluate radiographic images to assess positioning, pertinent anatomy and image quality. Emphasis is placed on practical skill development through simulation evaluations and hands-on laboratory experiences.

RADS 114, 114L Radiographic Procedures III (3 credits)

Prerequisite: RADS 122

Co-requisite: RADS 200

Online learning activities supplement two hours lecture, two hours laboratory.

Continuation of Radiographic Procedures II; completes required essential/nonessential radiographic projections of the body. Includes strategies and techniques for adapting procedures to pediatric and geriatric patients, trauma, protocols, mobile equipment and imaging during surgical procedures. Simulation laboratory performance evaluation required.

RADS 120 Clinical Education I (2 credits)

Prerequisite: Admission to program and eligibility for clinical placement

Co-requisites: RADS 102, RADS 104/104L, RADS 107/107L

Twelve hours per week.

Orientation to patient care skills, ethics, and an introduction to Radiologic Science as an allied health profession. The student is assigned to a designated clinical agency where the student is expected to transition from observation to active participation under the direct supervision of clinical preceptors.

RADS 122 Clinical Education II (2 credits)

Prerequisite: RADS 120

Co-requisites: RADS109/109L, RADS202/202L,

Twelve hours per week.

Observation, participation, and performance at assigned clinical sites supervised by clinical preceptors.

RADS 200 Clinical Education III (3 credits)

Prerequisite: RADS 122

Co-requisite: RADS 114/114L

Eighteen hours per week.

Rotation to a new clinical site affords opportunities for students to perfect competency skills demonstrated previously and develop additional competency skills completing new procedures. Concurrent classroom and laboratory instruction including cranium and facial bones, trauma and mobile radiography.

RADS 202, 202L Radiographic Imaging II (4 credits)

Prerequisite: RADS 120

Co-requisites: RADS109/109L,

Course evaluates fundamental components of film/screen, PS Panel FPD imaging systems and explores methodologies for development of exposure technique guides. Includes laboratory and supplemental online learning activities.

RADS 205 Sophomore Seminar (3 credits)

Prerequisite: RADS 222

Co-requisites: RADS 217, and RADS 232

A comprehensive seminar requiring students to synthesize and apply knowledge encompassing the entire ASRT Radiography Curriculum content. Three hours of seminar to include online learning components.

RADS 206 Advanced Imaging I (3 credits)

Prerequisite: RADS 200

Co-requisites: RADS 218, and RADS 222

This course explores current topics and advancements in diagnostic medical imaging. Students are introduced to a variety of imaging modalities, special procedures and their clinical applications. Foundational concepts and terminology related to artificial intelligence (AI) are also presented, with an emphasis on the evolving role of AI in medical imaging, including its uses, benefits and impact on the field.

RADS 217 Radiographic Pathology (3 credits)

Prerequisite: RADS 222

Co-requisites: RADS 205, and RADS 232

Radiographically significant disease processes affecting the skeleton, genitourinary, gastrointestinal, respiratory, and cardiovascular systems are introduced. Emphasis placed on traumatic injury to the skeletal system. Gross changes from normal radiographic appearance and effects of disease processes on technical considerations are emphasized.

RADS 218 Radiation Health Physics (3 credits)

Prerequisite: RADS 200

Co-requisites: RADS 206,, and RADS 222

Evaluation of NCR regulations regarding radiation safety, shielding requirements, radiation monitoring and related topics. Physical principles underlying effects of ionizing radiation on organisms, including documented effects in humans. Emphasis equally on radiation interactions at molecular, cellular and organic levels.

RADS 222 Clinical Education IV (3 credits)

Prerequisite: RADS 200

Co-requisites: RADS 206,, RADS 218

Eighteen hours per week.

Rotation to a new clinical site again affords opportunities for students to perfect skills in which competence has been demonstrated and develops additional skills completing new competency procedures, focusing on fulfilling competency requirements necessary to satisfy graduation requirements.

RADS 232 Clinical Education V (3 credits)

Prerequisites: RADS 222

Co-requisites: RADS 205, and RADS 217

Eighteen hours per week.

Students continue perfecting skills and finish competency requirements necessary to satisfy graduation requirements. Elective rotations in CT, MR, vascular-interventional, ultrasound, nuclear medicine, and radiation therapy are available after completing all graduation competency requirements.

RADS 250 RADS Professional Seminar (1 credit)

Prerequisites: HFE 100, HFE 200, current 200-level ASRS students

This seminar course examines varied content specific to the discipline of radiologic technology. Topics including career planning, professional development, advanced career opportunities, leadership skills, diversity in the workplace, and interdisciplinary approaches will be discussed.

RADS 401 Sectional Anatomy and Pathology in Medical Imaging (3 credits)

Prerequisite: (ARRT) certification.

Course is designed to prepare the certified radiographer to recognize and identify normal and abnormal gross anatomy/pathology as demonstrated in Computed Tomography and Magnetic Resonance imaging and learn appropriate protocols to utilize for specific imaging situations.

RADS 402 Principles of CT Imaging (3 credits)

Prerequisite: (ARRT) certification.

Principles of CT Imaging provides the licensed Radiologic Technologist with foundations of patient care and radiation safety in CT.

RADS 403 Basic Patient Care & Procedures in Mammo (3 credits)

Prerequisite: BSRS program admission and (ARRT) certification.

The course is designed to provide the novice mammographer with the tools and knowledge for ideal patient interaction and management. The course content includes essential terminology, patient communication, risk assessment, standard mammography positioning, pathology, and anatomy. All of the information contained in this course will assist the future mammographer gain the confidence needed to properly work with the sensitive nature of the mammography patient.

RADS 404 Quality Management/MQSA (3 credits)

Prerequisite: BSRS program admission and (ARRT) certification.

Quality Management/MQSA evaluates radiographic systems to ensure consistency in the production of diagnostic radiographic images. Includes comprehensive theory and assessment of quality management principles and MQSA guidelines.

RADS 405 Advanced Radiation Health Physics (3 credits)

Prerequisite: BSRS program admission and ARRT certification.

Course offered only online.

Advanced radiation health physics presents topics including human cellular biology; molecular and cellular radiobiology, including early and late effects, cellular survival curves, and factors affecting cellular radio sensitivity; establishing risk estimates; and regulations pertaining to current radiation protection practices.

RADS 406 Imaging Procedures in Mammography (3 credits)

Prerequisite: BSRS program admission and ARRT certification.

Imaging Principles in Mammography provides a deep look into mammographic image acquisition and quality assurance including the design characteristics of mammography units, digital acquisition, display, informatics, quality assurance and evaluation (ACR/FDA), quality control, mammography technique, image evaluation, PACS, and MQSA.

RADS 407 MR Imaging Procedures (3 credits)

Prerequisite: (ARRT) certification.

MR Imaging Procedures explores the use of magnetic resonance to image body systems. Imaging instruction includes the gastrointestinal, neurological, cardiovascular, musculoskeletal, genitourinary, and respiratory systems. Includes anatomy & physiology, imaging planes, scanning orientation, pathological considerations, protocol considerations, contrast usage, and all aspects of patient positioning.

RADS 408 VI Equipment & Instrumentation (3 credits)

Prerequisite: (ARRT) certification, Malpractice insurance fee.

Course is designed to provide an overview of radiographic and ancillary equipment and materials necessary to perform diagnostic and therapeutic interventional procedures.

RADS 409 VI Imaging Procedures (3 credits)

Prerequisite: (ARRT) certification, Malpractice Insurance fee

Course is designed to present a systematic approach to the techniques and procedures radiologic science practitioners use in the performance of selective vascular and nonvascular procedures.

RADS 412 Image Production in CT (3 credits)

Prerequisite: (ARRT) certification.

Image Production in CT provides the learner with an introduction to CT equipment, operations, and instrumentation for clinical application. This course engages the learner to become familiar with CT equipment, image formation, and archiving.

RADS 413 Advanced Patient Care and Procedures in Mammography (3 credits)

Prerequisite: (ARRT) certification, RADS 403

Advanced Patient Care in Mammographic Procedures provides learners with a deeper understanding of breast anatomy, physiology, and pathology. This course will also focus on more advanced mammographic positioning, BIRADS, breast cancer classifications, treatment options, additional modalities and their role, and interventional breast procedures.

RADS 414 MR Imaging Physics (3 credits)

Prerequisite: (ARRT) certification.

MR Physics covers the physical principles and properties of Magnetic Resonance. Includes image acquisition, processing, storage, and the use of a magnetic field to image a patient in multiplanar diagnostic imaging.

RADS 415 Medical Imaging Pathology (3 credits)

Prerequisite: BSRS program admission and (ARRT) certification.

The course evaluates disease processes of skeletal, renal, digestive, respiratory, vascular and central nervous systems, as visualized on radiographs, CT and MR including contrast. Radiographic imaging techniques to demonstrate disease processes is assessed. Clinical case studies used to analyze patient physiological changes to organ systems.

RADS 416 Clinical Education in Mammography I (M) (3 credits)

Prerequisite: (ARRT) certification, Malpractice Insurance fee

Co-requisites: RADS 403, RADS 406

Sixteen hours per week.

This course provides the student with clinical experience to gain required skills to perform Mammography examinations in an accredited facility under guidance and supervision of a qualified Mammography technologist. Clinical Education emphasizes patient preparation/education, equipment and technical applications, positioning skills, and quality control procedures.

RADS 417 MR Safety & Applications (3 credits)

Prerequisite: (ARRT) certification.

MR Safety & Applications covers the screening, safety, and applications protocols required to prevent patient and operator injury during MR imaging procedures. Includes discussion of implants, prosthetics, and other medical devices that are MR safe and the conditions to maintain patient safety.

RADS 418 VI Patient Management (3 credits)

Prerequisite: (ARRT) certification, Malpractice fee.

Course is designed to provide strategies for patient assessment and management prior to, during, and following completion of interventional procedures. Theories and applications of patient physiologic monitoring and recording during (VI) procedures are explored.

RADS 424 Clinical Education in Computed Tomography I (CT) (3 credits)

Prerequisite: (ARRT) certification, Malpractice Insurance fee

Co-requisites: RADS-401, RADS-402

Sixteen hours per week.

Clinical Education in Computed Tomography I (CT) integrates comprehensive patient care standards in computed tomography practice. Practitioners acquire CT skills and complete ARRT Experience Requirements in an accredited facility under direct supervision of a certified CT technologist.

RADS 427 Clinical Education in Magnetic Resonance Imaging I (3 credits)

Prerequisite: (ARRT) certification, Malpractice Insurance fee.

Sixteen hours per week.

Clinical Education in Magnetic Resonance Imaging provides practitioners an opportunity to acquire skills required to perform quality Magnetic Resonance examinations under direct supervision of a certified Magnetic Resonance (MR) technologist.

RADS 429 Clinical Ed in (VI) I (3 credits)

Prerequisites: (ARRT) certification, Malpractice Insurance fee, acceptance into certificate track

Vascular Interventional (VI) I is a post-primary imaging modality that provides the technologist a tool for imaging vascular systems with detail and definition to identify normal and abnormal pathology. Clinical education in VI provides practitioners an opportunity to acquire skills to perform quality VI procedures under direct supervision of a certified Vascular Intervention (VI) technologist.

RADS 434 Clinical Education in Computed Tomography II (3 credits)

Prerequisite: (ARRT) certification, Malpractice Insurance fee, RADS 401, RADS 402 and RADS 424

Co-requisites: RADS 412

Sixteen hours per week.

Clinical Education in Computed Tomography II (CT) integrates advanced-level comprehensive patient standards of care in specialized computed tomography imaging procedures. Practitioners acquire CT skills in an accredited facility under direct supervision of a certified CT technologist.

RADS 436 Clinical Education in Mammography (M) II (3 credits)

Prerequisite: RADS 416

Sixteen hours per week.

This course provides the student with clinical experience to gain required skills to perform Mammography examinations in an accredited facility under guidance and supervision of a qualified Mammography technologist. Clinical Education II emphasizes patient preparation/education, equipment and technical applications, additional diagnostic positioning skills, interventional breast procedures, and quality control procedures.

RADS 437 Clinical Education in Magnetic Resonance (MR) II (3 credits)

Prerequisite: RADS 427

Sixteen hours per week.

Magnetic Resonance II (MR) is a post-primary imaging modality that provides the technologist a tool for imaging soft tissue anatomy and body organs with detail and definition not available using other imaging modalities.

RADS 439 Clinical Education in Vascular Intervention (VI) II (3 credits)

Prerequisites: RADS 429 Vascular Interventional (VI) II is a post-primary imaging modality that provides the technologist a tool for imaging vascular systems with detail and definition to identify normal and abnormal pathology. Advanced clinical experience in VI provides practitioners an opportunity to acquire skills to perform quality VI procedures under direct supervision of a certified Vascular Interventional (VI) technologist.

RADS 450 Contemporary Issues in Radiologic Science (3 credits)

Contemporary Issues in Radiologic Science provides an overview of contemporary radiologic health care issues in the United States. Trends in professional radiologic science practice and health services are explored

Religious Studies

RELS 104 World Religions (3 credits)

Survey of basic beliefs and practices of major contemporary religious traditions with an emphasis on comparing their perspectives on truth, ultimate reality, human destiny, and morality.

RELS 104 HNR Honors World Religions (3 credits)

Placement by Honors Program admissions

Survey of basic beliefs and practices of major contemporary religious traditions with an emphasis on comparing their perspectives on truth, ultimate reality, human destiny, and morality.

RELS 105 Introduction to the Four Gospels (3 credits)

Investigation of the formation, authorship, historicity, and the main theological themes of the four canonical gospels.

RELS 105 HNR Honors Introduction to the Four Gospels (3 credits)

Placement by Honors Program admissions

Investigation of the formation, authorship, historicity, and the main theological themes of the four canonical gospels.

RELS 106 Introduction to the Hebrew Scriptures (3 credits)

Historical and theological study of the Torah, prophets, and writings. The course examines key biblical themes: God, creation, covenant, sin, justice, and worship.

RELS 107 The Gospel According to Mark (3 credits)

Introduction to "gospel" as a unique literary form, the origin of the gospels, specific characteristics of Mark's Gospel, the teaching of Jesus, and the requirements of Christian discipleship.

RELS 108 Basics of Catholic Faith (3 credits)

Examination of fundamental beliefs and practices of the Catholic Church. Provides an overview of Catholic teaching, both historical developments and contemporary viewpoints.

RELS 109 The Gospel According to Matthew (3 credits)

Study of the sources, purpose, and structure of Matthew's Gospel. Emphasis on such themes as: the reign of God; the public life, death, and exaltation of Jesus; the Church; the New Law; Christian discipleship then and now.

RELS 110 The Gospel According to Luke (3 credits)

Study of the particular purposes and theological themes of Luke's Gospel. Exegesis of the text as well as the spirituality common to the Gospel and its companion volume, The Acts of the Apostles.

RELS 112 History of Christianity I (3 credits)

Study of Christianity from its Judaic and Hellenistic sources to the Protestant and Catholic Reformations of the 16th century. Emphasis on early Christological controversies that led to the formulation of dogma. Cultural contributions and restoration of Western civilization.

RELS 113 The Sacraments (3 credits)

Study of the personal and ecclesial dimensions of the sacraments. Examines both the concept of sacrament as central to Christian life as well as the seven sacraments of the Church.

RELS 202 Methods in Religious Education (3 credits)

Planning, implementing, and evaluating sound, creative programs of religious Education in parish and school structures. Emphasis on the catechist's role as the primary means of sharing Christian faith. Principles and techniques applicable to teaching scripture, liturgy, and morality in the contemporary church.

RELS 203 The Gospel According to John (3 credits)

Investigation of key theological themes in John's Gospel: Jesus as revelation of the Father; the "signs" of Jesus' death and resurrection; the spirit; human participation in God's life; faith and love; the sacraments.

RELS 205 Prophets of Israel (3 credits)

Historical and theological study of the principal prophets of the Hebrew tradition, their religious message, and their relevance to contemporary issues of social justice and peace.

RELS 206 Women and Religion (3 credits)

Historical and theological survey of the image of women in the Judeo-Christian tradition. The biblical perspective on human liberation serves as a starting point for investigating the condition of women in religious and secular contexts.

RELS 207 Introduction to Saint Paul (3 credits)

Investigation of early Christianity as presented in the letters of Paul. Particular attention to such themes as: God's plan of salvation, Christ as the answer to the human search for meaning, the mysteries of sin and grace, the Church's early formation as compared with contemporary renewal.

RELS 210 Jesus the Christ (3 credits)

A study of the life and message of Jesus. Students will examine the teachings of and about Jesus found in Scripture, Christian tradition, and contemporary thought.

RELS 210 HNR Honors Jesus the Christ (3 credits)

Placement by Honors Program admissions

A study of the life and message of Jesus. Students will examine the teachings of and about Jesus found in Scripture, Christian tradition, and contemporary thought.

RELS 212 History of Christianity II (3 credits)

Survey of Church history from the 16th-century reformation era to the Second Vatican Council and subsequent developments. Emphasis on evangelization of the non-Western world and problems confronting the Church during modern times.

RELS 213 History of the Catholic Church in the United States (3 credits)

Growth and development of the Catholic Church in the United States from the foundation of the first permanent Catholic colony in the 17th-century to the post-Vatican II era. Focus on such questions as lay-trusteeism, nativism, Education, so-called "Americanism," national churches, Church-state relations, relations with the Holy See, various social issues, andaggiornamento.

RELS 215 Religion in America (3 credits)

Historical survey of the rich American religious heritage. Examination of the unique spirit, beliefs, and practices of the major religious denominations in the United States with focus on public Protestantism as a phenomenon of American civil religion.

RELS 301 Christian Morality (3 credits)

A study of the foundations and dynamics of Christian ethics. The course examines aspects of morality in light of Church teaching—conscience, natural law, sin, and magisterium, as well as perspectives on contemporary issues of morality.

RELS 310 Christian Marriage in the Modern World (3 credits)

A study of the covenantal nature of Christian marriage. The course reviews theological and pastoral issues related to contemporary marriage and family life from the perspective of Scripture and Church teaching.

RELS 315 The Gospel of Peace and Justice (3 credits)

Basic concepts of peace and justice from the perspective of biblical faith. History of Judeo-Christian attitudes toward war and peace and other social issues. Questions and decisions facing the Christian conscience today in the light of Christ's Gospel and Church teaching.

RELS 325 Junior Seminar (3 credits)

An in-depth study of a particular topic, time period, or movement of religious significance. The course requires extensive student research and class contributions.

RELS 350, 351 Internship I, II (3 credits each)

Internship related to the student's particular option within the department. The co-op will be arranged in cooperation with a local parish, school, or agency.

RELS 405 Life and Death: Christian Decision-Making (3 credits)

Moral elements of the life-centered questions of contraception and sterilization, abortion, artificial insemination and sperm-banking, in vitro fertilization, genetic counseling, and prenatal diagnosis. Discussion of the moral problems related to care of the dying, defining death, euthanasia, and suicide.

RELS 408 The Church in the Modern World (3 credits)

The Church's role and challenge in today's society. Study of the meaning and implementation of the documents of the Second Vatican Council. Change and progress since Vatican II and the Church's mission in the future.

RELS 409 Christian Mysticism (3 credits)

Study of the mystical dimension of the Christian experience through writings from the apostolic, patristic, and medieval ages of the Church. Readings from contemporary sources. Themes of faith, prayer, and love emphasized.

RELS 425 Senior Seminar (3 credits)

An in-depth study of a particular topic, time period, or movement of religious significance. The course requires extensive student research and class contributions. If appropriate, the seminar may be combined with other Humanities disciplines.

RELS 499 Special Topics (3 credits)

In-depth studies of religious topics of special interest. Students may register for up to six credits in special topics courses. Varies from semester to semester.

Religious Studies – Accelerated**REL 104 Religions of the World (3 credits)**

This course is a survey of the central beliefs and distinctive practices of seven major faith traditions: Christianity, Judaism and Islam; Hinduism and Buddhism; Confucianism and Taoism. Participants compare and contrast these.

REL 215 Religion in America (3 credits)

This course provides a descriptive and analytical introduction to religion in the United States. It examines major religious denominations which have dominated the American scene from Colonial times. A historical approach is taken.

Supply Chain Management**SCMM 201 Forecasting and Logistics (3 credits)**

Supply chain management is the process by which organizations get us the products we consume, and companies need talented employees to help optimize their supply chain. This course will teach you how to use forecasting techniques to match supply and demand, and how to develop logistics networks that help minimize costs and deliver top customer service. This online class has optional live sessions..

SCMM 202 Sourcing and Operations (3 credits)

In today's modern economy, something as simple as a razor might be manufactured in multiple countries with each part coming from a different supplier. This course will teach you how businesses manage this increasing complexity behind the scenes through efficient sourcing of suppliers and operations. You will have the opportunity to apply this knowledge by conducting a real-world case study of a product of your choosing. This online class has optional live sessions.

SCMM 301 Supply Chain Management and Technology (3 credits)

This course covers the major relevant supply chain technologies and systems. In this course you'll survey the systems that enable the supply chain in best-in-class supply chain organizations. Understanding of how information flows throughout the supply chain is critical to managing a supply chain and this will be the main focus in this course.

By the end of this course, you will have gained a basic understanding of how supply chain systems work and how they make the supply chain more efficient and effective. This online class has optional live sessions

SCMM 302 Supply Chain in Action (3 credits)

Everything from the best concert you saw, to your Covid-19 vaccine relies on the existence of effective supply chains. In this course, you'll learn about the application of supply chain systems to vital real-world functions. By the end of this class, you'll have a much better understanding of why supply chain management is vitally important, how it intersects with business, national and global interest, and how supply chains literally save the world. This online class has optional live sessions

SCMM 400 Supply Chain Capstone (3 credits)

This course - built in collaboration with corporate advisors - is the culmination of your work as a student of supply chain management. In this course you'll be tasked with creating a series of solutions to actual problems faced by a real-world company in delivering their product to consumers. By the end of this course, you will have built experience in solving real-world supply chain problems and seeing how your solutions compare to the professionals. This online class has optional live sessions.

Sociology

SOCO 101 Introductory Sociology (3 credits)

Broad introduction acquaints the student with basic concepts, including society, culture, socialization, stratification, minority groups, social organization, and social institutions. Focuses on the development of a sociological perspective.

SOCO 201 Social Problems (3 credits)

Survey of macro-level social problems, such as poverty, inequality, healthcare, ecological problems, crime, and mental health. Emphasizes the need to analyze issues in order to understand, treat, or change aspects of the problems.

SOCO 206 Marriage and the Family (3 credits)

Introductory-level course focusing on the American family system; includes comparison of family systems through history and across cultures. Uses social research findings, key sociological concepts, and social theory to examine various patterns of family behavior. Particularly examines current trends, functions, and dysfunctions of family relationships.

SOCO 207 Adult Development and Aging (3 credits)

Multidisciplinary exploration of the biological, psychological, and social domain of the lives of adults. Includes theoretical perspectives on changes in adult experience beginning in late adolescence.

SOCO 208 Social Deviance (3 credits)

Exploration of processes by which societies attempt to maintain social order and limit deviant behavior. Dynamics of how societies label some behavior as deviant and respond to this definition. In-depth study of selected areas of behavior labeled and treated as deviant in our society, including violent crime, alcohol and drug addiction, sexual deviance, and suicide.

SOCO 210 Gender Issues (3 credits)

Analysis through reading and discussion of the physiological, social, emotional, and cultural correlates of gender. Expectation for gender-typed behavior is contrasted with the realities of men's and women's lives.

SOCO 212 Race, Class and Gender: Diversity and Inequality (3 credits)

Introductory-level course about the diversity of people based on social class, racial and ethnic identity, and gender. Examines cultural diversity and multiculturalism within the context of structured inequality. Focuses on the structures and processes through which difference becomes disadvantage.

SOCO 219 Victimology (3 credits)

Examines legal, procedural, sociological, psychological, and economic effects on victims of crime. Focuses on analysis of patterns, trends, and categories of crime victims. Critical assessment of victim-blaming arguments, as well as the criminal justice system's procedures, treatment, and resources for crime victims.

SOCO 220 Addictions: A Lifespan Perspective (3 credits)

An overview of central issues in various dependencies, including chemical, eating, and gambling. Addresses conceptual and definitional issues as well as different perspectives on diagnosis, intervention, treatment, and prevention. Exploration of psychosocial, structural, and cultural aspects of addictions.

SOCO 311 Statistics for Social and Behavioral Sciences (3 credits)

Introduction to the statistical analysis of behavioral and social data, including descriptive and inferential statistics. Designed to provide students with the applications of statistical concepts rather than an emphasis on their mathematical derivations.

SOCO 318 Globalization (3 credits)

This course examines contemporary global issues from various perspectives within the social sciences. Specifically, this course will attempt to broaden the student's worldview and expand knowledge of global issues by emphasizing the sociological, psychological, geographical, political, and economic influences on globalization.

SOCO 322 Research Methods (3 credits)

Introduction to qualitative and quantitative research methods such as experimentation, survey, interview, secondary data analysis, and observation. Consideration of design, measurement, and sampling issues, emphasizing detailed planning prior to data collection and analysis. Students will learn how to collect data, which are then analyzed using statistics.

SOCO 341 Family Violence (3 credits)

A family systems perspective on physical, sexual, and emotional abuse of and by family members. Studies spousal, parental, child, sibling, and elder abuse and neglect as they exist in American society. Highlights common elements in all types of abuse as well as treatment and prevention.

SOCO 342 Loss and Grief (3 credits)

Examination of the dynamics of loss and mourning, societal attitudes about death, and the stress of grief and mourning. Explores cultural variations in dealing with loss and death.

SOCO 343 Social Psychology (3 credits)

Prerequisite: PSYC 110

Study of the individual within the social context. Addresses the reciprocal influences between everyday social situations and the individual. Special topics include: aggression, relationships, person perception, conformity and obedience, prejudice, and group processes.

SOC 101 Introductory Sociology (3 credits)

Broad introduction acquaints the student with basic concepts, including society, culture, socialization, stratification, minority groups, social organization, and social institutions. Focuses on the development of a sociological perspective.

Spanish**SPAN 100 Spanish for Travelers (3 credits)**

This course aims to prepare students to understand, follow and discuss vocabulary and culture needed to travel to a Spanish speaking country. Students will learn key vocabulary phrases associated when making arrangements for travel and how to communicate properly and culturally appropriately when visiting a Spanish speaking country. Students will become familiar with relevant cultural aspects and engage in situational practices and role playing necessary for living in a Spanish speaking country. This course emphasizes practical applications of the Spanish language as it applies to different situations one may encounter while traveling to a Spanish speaking country.

SPAN 101, 102 Introductory Spanish I, II (3 credits each)

Prerequisite for SPAN 102: SPAN 101

Fundamental skills in listening, speaking, reading, and writing.

SPAN 103, 104 Intermediate Spanish I, II (3 credits each)

Prerequisite for SPAN 104: SPAN 103

Review and improvement of listening, speaking, reading, and writing skills.

SPAN 105, 106 Spanish for Healthcare I, II (3 credits each)

Prerequisite for SPAN 106: SPAN 105

Provides solid foundation in the basic skills of speaking, listening, reading, and writing for beginning students of Spanish whose goal is to enter the health field serving Spanish-speaking patients with limited English. It focuses on "real-world" language with grammar practice in context providing cross-cultural insights significant to patient care.

SPAN 114 Spanish for Educators (3 credits)

This course aims to prepare students to understand, follow and discuss common operations of the school system in Spanish. Students will learn about key education topics, become familiar with relevant cultural aspects, and engage in situational practices necessary for conducting operations with the Hispanic/Latino community in the U.S.

SPAN 201, 202 Advanced Grammar and Conversation I, II (3 credits each)

Prerequisites for SPAN 201: SPAN 202 and SPAN 104

Review of grammatical concepts and development of oral and writing skills.

SPAN 204 Spanish-American Civilization (3 credits)

Prerequisite: SPAN 202

Examination of the social, political, and artistic characteristics of Spanish-American civilization from historical and contemporary perspectives.

SPAN 211 Creative Writing in Spanish (3 credits)

Prerequisites: SPAN 103 and SPAN 104 or SPAN 201 and SPAN 202

This course explores how creative writing in Spanish works. Students will survey, discuss, write about, comment, and research the elements of fiction, creative non-fiction, and poetry in Spanish.

SPAN 213 Spanish for Criminal Justice (3 credits)

Prerequisite: SPAN 102 or SPAN 104

Prepares students to understand, follow and discuss common operations of the criminal justice system in Spanish. Students will learn about key legal topics, become familiar with relevant cultural aspects, and engage in situational practices necessary for conducting operations with the Hispanic/Latin community in the U.S.

SPAN 302 Hispanic Influences in the United States (3 credits)

Study of Hispanics in the United States and their contributions in politics, social development, the arts, and popular culture. This is a General Education course taught in English.

SPAN 303 Latino Pop Culture (3 credits)

SPAN 303 is a Latino culture course for Spanish majors and non-Spanish majors. It addresses a series of topics pertaining to contemporary products, practices and perspectives within the Latino pop culture and their influences in the USA. Key topics selected are: media, music, arts, sports, foods, holidays, cultural traditions and folklore. The course will identify and explore Latino icons and themes that have been incorporated in the USA mainstream culture. This is a General Education course taught in English.

SPAN 308 Applied Linguistics (3 credits)

Prerequisite: SPAN 202

Introduction to the concepts of linguistic theory and their applications in foreign language teaching.

SPAN 309, 310 Conversation and Language Activities I, II (3 credits each)

Prerequisites: SPAN 201 and SPAN 202

The courses are not sequential; SPAN 309 is not a prerequisite for SPAN 310.

Development of conversational competence and those skills necessary to communicate successfully in a range of social and professional contexts.

SPAN 311 Spanish Non-Fiction (3 credits)

Prerequisites: SPAN 201 and SPAN 202

Analysis of authentic Spanish-language texts selected from films, print, and electronic media.

SPAN 314 Civilization of Spain and Latin America (3 credits)

Pre-requisite: SPAN 104 or SPAN 202

Examination of the social, political, and cultural characteristics of the civilizations of Spain and Latin America from historical and contemporary perspectives; reading and discussion in Spanish.

SPAN 315 Literary Analysis (3 credits)

Introduction to the terms, concepts, characteristics, and evolutionary highlights of the different literary genres in Spanish.

SPAN 316 Research Trad & Cult Exp of Latino World (3 credits)

This course explores the vibrant cultural heritage of the Spanish-speaking world through the hands-on creation of artifacts representing traditions and celebrations from various countries. Students will gain a deeper understanding of significant holidays, artistic practices, and cultural symbols. Each artifact project connects students with a specific cultural tradition, allowing them to experience the art, history, and values of different Spanish-speaking countries.

Spanish – Accelerated**SPN 302 Hispanic Influences in the United States (3 credits)**

Study of Hispanics in the United States and their contributions in politics, social development, the arts, and popular culture. Taught in English.

Sport Marketing-Management**SPMM 110 Introduction to Games (3 credits)**

Games sit at the intersection of technology, art, and culture, so success within the games industry requires you to understand all three. This course explores why we love games, what role they play in society, and the industry that produces them. You'll also learn the basics of game development. This course was developed in partnership with Unity and the IGDA to help everyone interested in the games industry start on the right foot. This online class has optional live sessions. Registration in this course is restricted to students enrolled in the ESports and Gaming Administration Minor.

SPMM 120 Introduction to ESports Management (3 credits)

Esports is one of the fastest growing industries, attracting 450 million viewers and generating over \$1bn in revenue in 2020. This course will introduce you to the history of competitive gaming and will explore its ecosystem. You will learn to navigate Esports leagues, teams, players, publishers, tournament operators, media and affiliate organizations. Furthermore, you'll get firsthand experience in analyzing the space. Registration in this course is restricted to students enrolled in the ESports and Gaming Administration Minor.

SPMM 200 Introduction to Sport Management (3 credits)

This course provides an introduction to the principles and practices of sport marketing management, exploring the unique challenges and opportunities in the dynamic sports industry.

SPMM 210 Event and Trade Show Planning (3 credits)

Prerequisite: SPMM 110

Esports and Gaming companies rely heavily on conventions for marketing. Shows like TGS, PAX and E3 attract audiences from 60,000-300,000 and are tremendous opportunities for companies to generate excitement and drive sales. This course will teach you how to turn a gaming convention into a big win. By the end of this course, you'll understand how to handle planning, marketing and logistics for a corporate presence at a major convention. This online class has optional live sessions. Registration in this course is restricted to students enrolled in the ESports and Gaming Administration Minor.

SPMM 220 Sales and Sales Management (3 credits)

Focuses on developing and maintaining relationships with customers and managing the sales process of finding, concerting, and keeping customers while achieving the organization's goals. Communication techniques, career planning, selling strategies and tactics, as well as sales duties, responsibilities, and problems are included.

SPMM 280 Sports Media and Content Production (3 credits)

Presents an overview of the roles of reporting and broadcasting with respect to sporting events. Topics include trends and philosophies of sport reporting, the working of the sports desk, the history of radio and television sports broadcasting, as well as the business of sports reporting and broadcasting. The advantages in technology as applied to sports reporting and broadcasting will also be covered.

SPMM 310 Economics of Sport (3 credits)

Prerequisites: ECON 203 or ECON 204

The application of economic analysis to the organization, behavior, and outcomes in the world of sport. Sport data are used to test and develop economic hypotheses, which may address broader issues such as income distribution, the theory of the firm, the nature of team productive processes, industry structure, and various other topics.

SPMM 320 Sport Marketing and Promotion (3 credits)

Prerequisite: MNMK 312

Marketing concepts applied to the sport industry. Students study the historical development of sport marketing, the sport consumer and segmentation process, integration of the marketing mix, marketing principles and strategies as they relate to sport. Development of computer skills as applied to sports.

SPMM 330 Distribution of Games (3 credits)

Prerequisite: MNMK-312, SPMM-110

The role of a publisher in the games industry is to ensure that a game can get in front of its audience successfully. To do that, a publisher must consider a variety of distribution strategies and channels. This course will teach you how publishers promote games and bring them to market. By the end of this class you will be able to plan a game's launch and promotion. This online class features optional live sessions. Registration in this course is restricted to students enrolled in the ESports and Gaming Administration Minor.

SPMM 355 Entrepreneurship and the New Economy (3 credits)

This course defines entrepreneurship as a way of thinking and problem solving. In the startup process it includes opportunity identification, required resources, financial statement, valuation and investment justification, and development of a business plan appropriate for presentation to funding services.

SPMM 420 Legal Issues in Sport (3 credits)

This course will focus on corporate law (formation, business disputes, formalities, importance of and how to write a business plan, etc.), civil litigation issues and institutional and personal tort liability and its implication to sports administration. Students will be taught the fundamentals of the formation, development and implementation of a business and a sports risk management program. Legal issues pertaining to equal opportunity for both female and male athletes, as well as for the handicapped, will also be examined.

SPMM 430 Sport Facility and Event Management (3 credits)

Prerequisite: BUSA 100

This course introduces the student to sport facility management. Students learn how to plan special events. Students learn to critically examine alternatives such as leasing, outsourcing, technology, scheduling, print media, and television pertain to the management of facilities, such as stadiums, golf courses, resorts, swimming pools, tennis courts, and fitness clubs.

SPMM 435 Sports Administration and Leadership (3 credits)

Prerequisite: SPMM 310

This course addresses the unique aspects of managing and leading in the sport industry. Starting with a foundation in management and leadership theories, applications are explored in sport entertainment, for-profit and nonprofit sport participation, sporting goods, and sport services.

SPMM 439 Senior Seminar in Sport Marketing-Management (3 credits)

Prerequisite: SPMM 320

This course serves as a capstone course in Sport Marketing-Management for Senior level students. The course integrates concepts from the business core and all 200, 300, and 400 level Sport Marketing-Management courses. The course is a seminar and makes use of case analysis as a learning technique.

Theater

THEA 201 Acting (3 credits)

Introductory acting course. Improvisation and basic acting exercises. Rehearsal and performance of short scenes. Emphasis on characterization. Study of special topic: character study or drama criticism.

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