

# Undergraduate Catalog 2021-2022



ANDERSON UNIVERSITY

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The material contained in the *Anderson University Undergraduate Catalog* is for information only and does not constitute a contract between the student and the university. The catalog provides an overview of course offerings and content. It is not the official list of offerings for any given term. Students should consult the course schedule for the specific term(s) for which they wish to register. The university and its various units reserve the right to revise, amend, alter, and change from time to time its policies, rules, regulations, and financial charges, including those related to admission, instruction, and graduation, without notice to students. The university reserves the right to withdraw curricula and specific courses, alter course content, change the calendar, and withdraw or change programs and majors offered by the university without notice to students.

Anderson University maintains compliance with applicable Federal and State statutes related to private institutions of higher education including the Family Educational Rights and Privacy Act (FERPA), as amended; the Student Right to Know Act, as amended; and the Solomon Amendment. In compliance with the Civil Rights Act of 1964 and 1991, Title IX of the Educational Amendments of 1972, Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990 as amended, the university does not discriminate in its educational programs or admissions procedures. Anderson University is a not-for-profit exempt organization as described in Section 501(c)(3) of the Internal Revenue Code. The following individuals have been designated to handle inquiries regarding non-discrimination policies: Director of Work Life Engagement, 1100 East Fifth St., Anderson, IN 46012, telephone (765) 641-4133, and Director of Disability Services for Students, 1100 East Fifth St., Anderson, IN 46012, telephone (765) 641-4223.

# Letter from the President

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This is where your college experience begins. Before you move onto the Anderson University campus, you plan a course for your first academic year. You sit down with one of our faculty advisors, and you start your story.

My own Anderson University story started in the 1970s. I came with a single focus – myself. What happened during the next four years transformed my life. My vision broadened as I aligned the focus of my life with God's expectations for me: To act justly and to love mercy and to walk humbly with God (Micah 6:8).

Each academic program offered in this catalog was designed by a remarkable group of faculty who bring exceptional skills and knowledge to the classroom. Each course is a building block that fulfills our mission to educate students for lives of faith and service in the church and society. By choosing a liberal arts institution, you see value in developing not only as a professional but also as a person. Our faculty and staff are committed to mentoring you and sharing in those experiences with you as well, beginning friendships that will last long past graduation.

The Anderson University community is based on the core values of integrity, excellence, servant leadership, responsibility, and generosity. We hope you will be able to experience those core values in every aspect of your life at AU. I encourage you to be open to God's leading in your life at Anderson University, for He knows the plans He has for you! We look forward to journeying with you.

John S. Pistole, JD (BA '78)  
President

## General Information

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### HISTORICAL PERSPECTIVE

Anderson University was founded and is supported by the Church of God, with headquarters in Anderson, Ind. Founded in 1917, the school was a major step in the life of a young and vigorous fellowship of Christians originating about 1880. This fellowship, which took on a common New Testament name, often describes itself as a reformation movement. Its vision was to preach and live out a message of holiness and to invite believers into a body united by a common experience in the saving grace of Jesus Christ.

The message of the church was firmly planted in the mainstream of Christian theology. The quest of this young movement was freedom from what it saw as artificial limitations of church structures and authoritative systems so that the essence of Christian truth might be realized again in freshness and wholeness. The spirit of the movement was one of freedom and joy proclaimed in one early song of the church, "The Bible is our rule of faith and Christ alone is Lord." Out of this history, a free and open tradition has provided a supportive context for the contemporary mission of Christian higher education.

The early witness of the church was through the publishing of inspirational material, songs, books, and a paper known as the Gospel Trumpet. Those who were committed to the publishing work and to the evangelistic work of the church recognized the need to train leaders and workers to take their places in the life of the church. An educational department of the publishing house was started and soon became known as the Anderson Bible Training School. The young school moved rapidly to develop a wider general education program, changed its name to Anderson College and Theological Seminary, then Anderson College, and finally, Anderson University.

Anderson University has grown to comprise an undergraduate liberal arts program organized into six schools, including a graduate seminary. The university offers several graduate degree programs, including the Doctor of Business Administration (DBA), Master of Business Administration (MBA), Master of Music Education (MME), Master of Divinity (MDiv), Master of Arts in Christian Ministry (MACM), and a Master of Theological Studies (MTS).

More than 1,400 students and 300 instructional and professional staff make up the academic community. The university is governed by a board of trustees ratified by the General Assembly of the Church of God, administered by a president and other officers, and staffed by individuals dedicated to the mission of Christian higher education.

## MISSION

*The mission of Anderson University is to educate for a life of faith and service in the church and society.*

## LIVING THE MISSION

Established and sustained within the free and open traditions of the Church of God, this university is committed to being a teaching-learning community of the highest order, engaged in the pursuit of truth from a Christian faith perspective.

Through academic and Christian discovery, we intend to graduate people with a global perspective who are competent, caring, creative, generous individuals of character and potential.

We offer quality programs that enable each member of the university to become stronger in body, mind, and spirit; to experience what it means to love God and neighbor; and to adopt Christ-like servant ways in all of life.

*— Approved, Anderson University Board of Trustees, 2007*

## ETHOS STATEMENT

### Preamble

Anderson University is committed to the preservation of integrity with our past and our present and to ensuring that important values are continued into our future. We want to state clearly to the various constituents we serve - prospective and current students and their families, alumni, donors, the Church, community partners, and prospective and current faculty and staff - the ideals that bind us together as an academic community. This statement articulates our unifying ethos.

### At Our Core

As a learning community, rooted in the Church of God (Anderson) movement, we celebrate the vibrancy of life in Christ. Our identity as a Christian University can be described in three words: Real life transformed. What that means is simple: we want to meet people where they are. We believe that the experiences and beliefs we bring to campus are real and authentic. We choose to welcome those who do not enjoy relationship with Jesus Christ, and we open ourselves to engaging with people, from all walks of life, in a community and culture confidently faithful to biblical truths and expectations. Our commitment begins with respecting the real lives students bring with them to campus, but it does not end there. **We want our entire learning community to experience the kind of genuine transformation that comes from knowing Jesus, and understanding his incredible plans for the world.** And so we challenge ourselves to consider three big questions: “*Who is God?*”, “*Who am I?*”, and “*How do we live?*” We believe that the pursuit of answers to these questions will lead to genuine Christian spiritual transformation – in and beyond the classroom. Real life transformed for dynamic service to church and society.

## CORE VALUES

We aspire to be a transformative Christian community informed by these core values:

- **Servant Leadership** – dedication to a life of service; a preferential awareness of the needs of others in the resolution of problems; a willingness to take the first step, however challenging, in meeting the demands of the day; embracing a spirit of servanthood that extends beyond one’s culture.
- **Excellence** – high-quality performance, innovation, and creativity; a relentless pursuit of the best in each individual and the wider learning community.
- **Integrity** – commitment to Christian moral values, shared virtues, and biblical truth; keeping faith with university policies.
- **Responsibility** – personal and social accountability to God and neighbor; trustworthy stewardship of personal and university resources.
- **Generosity** – readiness to give of one’s gifts and talents with a spirit of gratitude; an attitude and posture of hospitality that comes with intercultural humility; a willingness to extend others the benefit of the doubt, placing mercy above rightness.

*Approved by Cabinet, March 28, 2018*

*Reported to Board of Trustees, April 16-17, 2018*

## COMMITMENT TO ACADEMIC INQUIRY

As a church-related comprehensive institution of higher learning, Anderson University exists to assist students in their quest not only for relevant knowledge, meaningful relationships, and useful skills, but also for maturity in self-understanding, personal values, and religious faith. Its curricular design and community life seek to unite the objectivity and rigor of academic inquiry with a sense of perspective and mission emerging from biblical revelation. Charles Wesley's concern is crucial: "Unite the pair so long disjointed – knowledge and vital piety."

Anderson University seeks to highlight the freedom of the mind through inquiry, to emphasize the importance of individual worth and personal faith, and to foster the achievement of true community through shared experience and commitment as modeled in Jesus Christ, the servant. Specifically, Anderson University seeks to provide a superior education. As an institution centered in the liberal arts, Anderson University is dedicated to cultivating in each individual an awareness of the physical world, a sense of history, an appreciation of culture, spiritual maturity, a global perspective, social conscience, and an interest in the worth of ideas regardless of their immediate utility.

In addition, the university seeks to prepare thoughtful Christian leaders who are able to enter and compete successfully in graduate schools or the professional fields of their choice. Professional preparation and the liberal arts are not held as antithetical. To the contrary, the aspiration is to bring together the liberal arts, professional preparation, and biblical faith and understanding.

The university community holds a Christian faith perspective and is prepared to raise questions of truth, value, meaning, and morality. It is not hampered by anti-religious bias, nor does it wish to be guilty of unexamined religious conformity. It lives in an atmosphere of free inquiry, even while it affirms that all knowledge is understood most fully in the light of God's redemptive activity in Jesus Christ as that is interpreted through the historic witness of the Bible and the contemporary ministry of the Holy Spirit.

## ACCREDITATIONS AND RELATIONSHIPS

Anderson University is accredited by the Higher Learning Commission; website [hlcommission.org](http://hlcommission.org); phone (312) 263-0456. The seminary of the School of Theology and Christian Ministry also is accredited by the Association of Theological Schools, 10 Summit Park Drive, Pittsburgh, PA 15275-1103; phone (412) 788-6505.

In addition, professional and program accreditation has been granted by the Accreditation Board for Engineering and Technology (ABET), the Association of Collegiate Business Schools and Programs (ACBSP), the Commission on Accreditation of Athletic Training Education (CAATE), Council for the Accreditation of Educator Preparation (CAEP), the Council on Collegiate Nursing Education (CCNE), the Council on Social Work Education (CSWE), and the National Association of Schools of Music (NASM).

Anderson University also holds membership in the National Association of Independent Colleges and Universities, the Council of Independent Colleges, the American Association of University Women, the Council for Christian Colleges and Universities, the Institute of International and Intercultural Studies, Independent Colleges of Indiana, Indiana Conference on Higher Education, Indiana Campus Compact, and Indiana Consortium for International Programs.

Anderson University students come from a wide variety of backgrounds and geographic locations. The university is authorized under federal law to enroll nonimmigrant alien students. International students enrich the community with their own points of view and culture. Consequently, students find themselves immersed in a cosmopolitan environment alive with opportunities for learning. It is expected that students will be accepted on their own merits, without respect to wealth, position, sex, or color.

The university urges students to maintain high academic standards. Careful attention has been given to bringing together a faculty of academic, experiential, and personal competence. Scholastic standards are maintained with the expectation that students will discipline themselves to achieve their best work.

In welcoming students of all nationalities, races, and faiths, Anderson University aspires to treat each student as an individual. All student services are closely coordinated in an attempt to deal with each individual as a "whole person." A significant objective is to increase the student's self-insight and self-discovery and to assist in the intellectual, social, aspirational, and spiritual development of the student.

## **INSTITUTIONAL ASSESSMENT**

In its efforts to continuously improve the quality of instruction at Anderson University and meet the requirements of the Higher Learning Commission, the university has elected to engage in outcome-based assessment activities. These endeavors are embedded into the courses and occur at the institutional level addressing the liberal arts curriculum as well as the departmental level evaluating the outcomes of the major. Data generated from these assessment activities are analyzed and recommendations developed to improve the educational activities of the university.

# **Academic Degrees**

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## **DEGREE PROGRAMS**

The undergraduate division of the university offers the Bachelor of Arts degree, the Bachelor of Science degree, the Bachelor of Science in Nursing degree, and the Bachelor of Music degree to students completing a prescribed four-year course of study and the Associate of Arts or Associate of Science degree to students completing a prescribed two-year course of study.

While the university makes every effort to assist students through the academic advising system, the final responsibility for meeting all academic and graduation requirements rests with each student. The catalog under which the student enters and/or graduates serves as the official record of admission, academic, and graduation requirements.

To earn an Anderson University degree, students must be in residence at the university for the last 24 hours applicable to the degree. Under some circumstances, and with special permission, a maximum of 6 hours of the final 24 hours may be taken elsewhere. If the coursework taken at another institution falls within the last 24 hours, a petition to take hours out-of-residence must accompany the request to take courses elsewhere. Contact the Office of the University Registrar for more information.

## **ASSOCIATE DEGREE**

- Complete a minimum of 60 hours, as specified in the departmental concentration listing. Distribution of a portion of these hours must be in the liberal arts program as specified by the program department.
- Determine a departmental concentration of specific courses in an area of study.
- Achieve a minimum GPA of 2.0.
- Achieve a minimum GPA of 2.0 for all courses specified in the area of concentration.
- All full-time students must attend chapel/convocation each semester in residence.
- Meet residence requirements listed elsewhere.

It is the responsibility of the student to plan for and complete graduation requirements. Students with questions should consult with the appropriate academic advisor, the Office of the University Registrar, or the dean of the appropriate school.

## **ASSOCIATE DEGREE AS SECOND DEGREE**

A student already holding a degree from another institution may earn an associate degree from Anderson University under the following guidelines:

- Adequate work must be done at Anderson University to provide a satisfactory basis for evaluating student performance.
- Adherence to the general associate degree requirements as stated in the catalog.
- All requirements for the specific associate degree must be met.
- Completion of a minimum of 18 hours, all of which must be earned at Anderson University.
- No more than 6 hours of a previous degree may be used in building the associate degree concentration.
- If elective hours are needed to complete the minimum, they should be supportive of the area of concentration.

Individuals holding an Associate of Arts degree from Anderson University may not earn a second Associate of Arts degree. Students desiring to pursue an additional concentration should consult with the Office of the University Registrar.

## **BACHELOR'S DEGREE**

- Complete 120 hours.
- Achieve a minimum GPA of 2.0 (out of 4.0).
- Complete requirements of all components in the liberal arts program (see the Liberal Arts Program section in this catalog).
- Declare a major, as specified in the departmental listing, with a minimum overall GPA of 2.0 in the major.
- All full-time students must attend chapel/convocation each semester in residence.
- Meet residence requirements (see the Academic Policies section of this catalog).

It is the responsibility of the student to plan for and complete graduation requirements. Students with questions should confer with their academic advisor, the Office of the University Registrar, or dean of the appropriate school.

## **BACHELOR'S DEGREE AS A SECOND DEGREE**

Students already holding a bachelor's degree from another institution may earn the Bachelor of Arts degree, the Bachelor of Science in Nursing degree, the Bachelor of Music degree, or the Bachelor of Science degree from Anderson University by completing a minimum of 30 additional hours. All graduation requirements for the major must be met. A different major must be chosen from the major earned in the previous degree; not more than 12 hours from the previous degree may be used in building the new major. A projected program for the Anderson University degree should be planned by the student and advisor and approved by the University Registrar no later than the third week of the semester in which the work is begun.

Students holding a bachelor's degree from Anderson University may pursue a second bachelor's degree by completing the requirements listed above. Students holding a Bachelor of Arts degree from Anderson University may not earn a second Bachelor of Arts degree, but they may earn additional majors after graduation. Students holding other Anderson University bachelor's degrees may earn additional majors after graduation but must complete all liberal arts requirements that normally accompany the new major. Students desiring to pursue additional majors and/or minors should consult the Office of the University Registrar.

## **TWO DEGREES CONCURRENTLY**

Students who wish to earn any two degrees (BA, BM, BSN, or BS) concurrently must accumulate 30 semester hours of credit beyond the 120 credit hours required for the first degree. In addition, they must fulfill the liberal arts requirements for both degrees and the requirements for the major in each degree program.

**Note:** A second degree is not awarded to students who are pursuing a complementary major.

# Campus Map

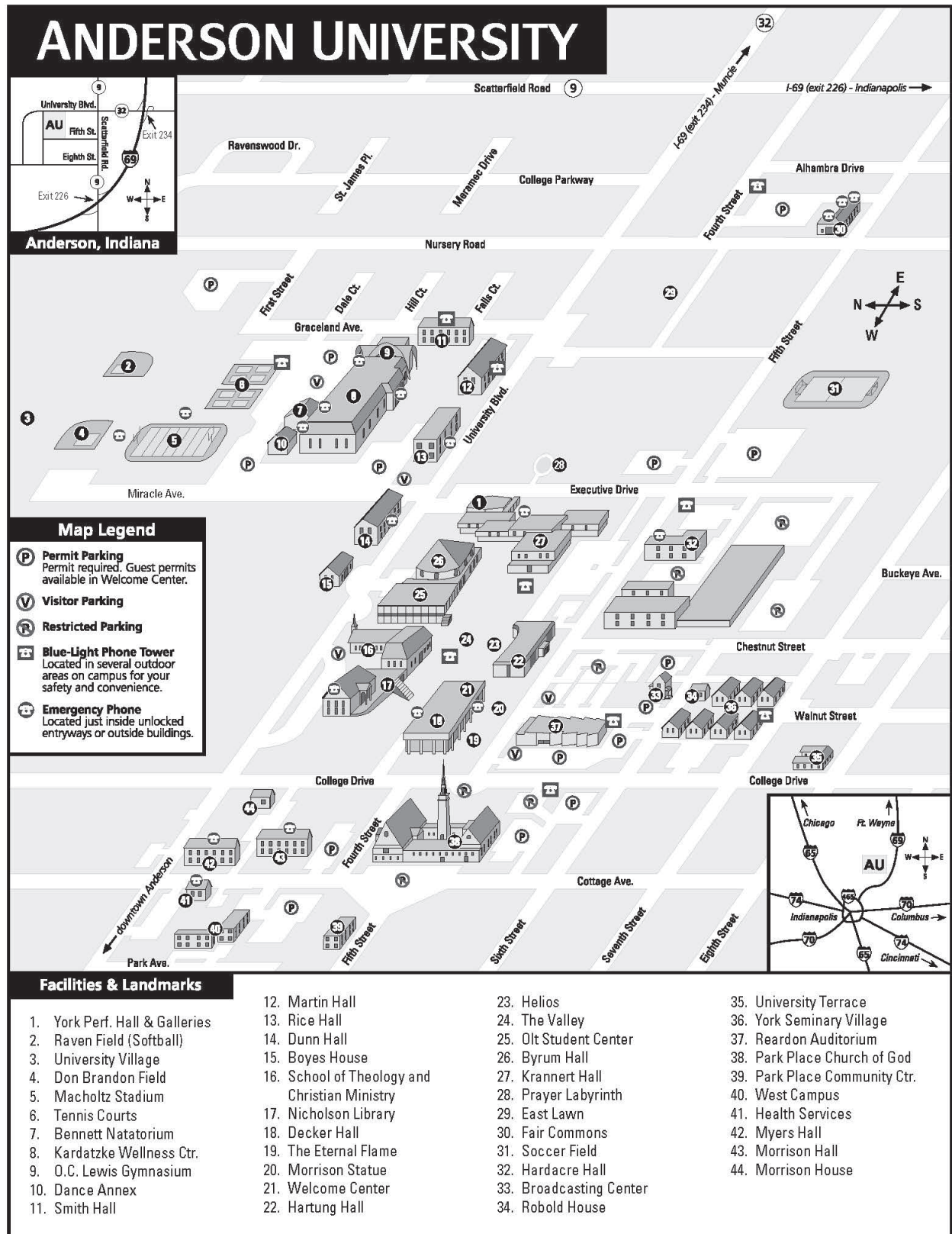


Image 1- Campus Map

# Campus Facilities

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## ACADEMIC AND ADMINISTRATIVE FACILITIES

- Anderson University Flagship Center: Located at I-69 (Exit 222); provides more than 53,000 square feet (three floors) of operational space to support educational initiatives of the university.
- Broadcasting Center: Houses production rooms, a TV studio, editing bays, offices, and class labs for the cinema media arts major and university marketing.
- Dance Annex: Houses three of the four dance studios, lockers, practice and conditioning space. All dance studios are equipped with L'Air sprung floors, mirrors, and barres.
- Decker Hall: Houses administrative offices, the Division of Student Life, Information Technology Services, the Mail Distribution Center, Create (dining venue), services for adult students, and several other offices and classrooms including the academic departments of computer science, education, English, history and political science, mathematics, and modern foreign languages and cultures.
- Hardacre Hall: Houses the Falls School of Business (including the Star Trading Room), the office of Marketing & Communications, University Police and Security Services, and Physical Plant Department.
- Hartung Hall: Houses several offices and classrooms, laboratories, a lecture hall, and the academic departments of biology; nursing; physical sciences and engineering; psychology; and social work, criminal justice, and family science.
- Krannert Hall: Houses classrooms, laboratories, practice and rehearsal rooms, recital venues, a MIDI lab, a recording studio, faculty studios, and the Wilson Galleries, as well as the academic departments of music, theatre, dance, and communication and design arts. The first floor of the facility also houses the engineering center, including lab facilities for engineering students.
- Robert A. Nicholson University Library: A merger of the Wilson (undergraduate) and Byrd (seminary) libraries; houses the university's library collections, computer labs, group study rooms, the Kissinger Academic Center for Excellence, the archives for Anderson University and the Church of God (Anderson, Ind.), the Elizabeth and James York Reading Room, and various special collections.
- School of Theology and Christian Ministry: Houses the Adam W. Miller Chapel, classrooms, faculty and administrative offices, and "The Common Place" (student lounge).
- Welcome Center: Connected to Decker Hall; houses the offices of Admissions, Financial Aid and Scholarships, the University Registrar, and Educational Support Services.

## AUDITORIUMS AND PERFORMANCE FACILITIES

- Byrum Hall: Historic campus landmark once used for basketball games and physical education classes; houses a 530-seat proscenium theatre.
- Reardon Auditorium: Used primarily for chapel/convocation, performance events, and conferences. Seats 2,200.
- York Performance Hall and Galleries: Attached to the Krannert Hall; serves as performance venue for student, faculty, and guest artist recitals. Seats 320 guests plus orchestra space for 45 and a choir loft for 75. Contains the Scheierman Galleries (Warner Sallman Collection) and The Jeeninga Museum of Near Eastern and Biblical Archeology.

## RECREATIONAL FACILITIES

- Athletic Complex: Includes Macholtz Stadium (football, outdoor track and field, soccer and lacrosse), Don Brandon Field (baseball), Raven Softball Field, and tennis courts.
- Bennett Natatorium: Connected to Kardatzke Wellness Center; houses a six-lane, collegiate-size swimming pool and men's and women's locker areas. Houses the men's and women's swimming and diving teams.
- Kardatzke Wellness Center: Connected to O. C. Lewis Gymnasium and Bennett Natatorium; houses a large field house, weight room, fitness center, indoor tracks, athletic training facilities, classrooms, intercollegiate athletics offices, and the Department of Kinesiology. The Wellness Center also serves as the venue for commencement exercises and is the location for the largest of the four dance studios (black box theatre).

- O. C. Lewis Gymnasium: Connected to Kardatzke Wellness Center; houses intercollegiate athletic facilities for men's and women's basketball and volleyball.
- Soccer Field: Home of the Raven men's and women's soccer teams.

## RESIDENTIAL FACILITIES

- Dunn Hall: Houses undergraduate men.
- Fair Commons: Apartment-style living for upper level undergraduate students.
- Martin Hall: Houses undergraduate women.
- Morrison Hall: Houses undergraduate women.
- Myers Hall: Houses undergraduate women.
- Smith Hall: Houses undergraduate men.
- York Seminary Village: Apartment-style living for seminary students and their families.

## OTHER FACILITIES

- Bolitho House: Houses Health Services where, in partnership with Community Health Network, immediate care, health counseling, referrals, and wellness education is provided to students, faculty, and staff.
- Boyes House: Home of the Anderson University president and his family.
- Olt Student Center: Houses the Marketplace and the Raven's Haven (dining venues), Mocha Joe's (coffee bar), private dining rooms, the AU Campus Store, Student Government Association offices, and the Office of Student Activities.
- Morrison House: Houses the offices of spiritual life and counseling services.

# Admissions and Financial Information

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## UNDERGRADUATE ADMISSIONS POLICY

Anderson University seeks to admit students who are interested in higher education from a Christian faith perspective and have demonstrated potential for completing the academic degree they plan to pursue. This policy speaks to general admission to the university and not academic program-specific admission, which is handled separately by respective departments.

Behavior that is inconsistent with university standards may result in revocation of admission. Note also that the admission decision may be held until after resolution of any pending legal charges against an applicant have been resolved.

## FIRST-TIME FRESHMEN

At Anderson University, we practice a holistic application review. We consider each student's background, academic credentials and personal story. Anderson University maintains a rolling admission cycle. Applicants are encouraged to apply early to maximize institutional scholarship opportunities.

A requirement to become degree-seeking at Anderson University is to provide evidence of high school completion. A standard high school diploma, or successful completion of the General Education Development test (GED) or of a Home School Program of Study is required for admission. (Graduates of regionally accredited institutions and their international equivalents who have been awarded an Associate in Applied Science or higher level degree are exempt from the standard high school diploma/GED requirement.)

Anderson University has elected to employ a test-optional admission process for the Fall of 2021. The test-optional alternative allows us to consider student strengths which may be demonstrated in areas other than standardized test scores.

## REQUIREMENTS FOR ADMISSION (DOMESTIC)

- Application for admission is available on our website at [anderson.edu/admissions](http://anderson.edu/admissions) or via the Common Application process at [commonapp.org](http://commonapp.org) (no application fee required).
- Official high school transcript with completion of Standard Core 40 or Honors Diploma.
- Optional SAT/ACT or CLT Test scores. Self-reported scores, the student score report, official scores from testing center or scores listed on official high school transcript may be accepted.

Factors given consideration in the admission decision include:

- Academic ability as indicated by SAT/ACT/CLT or by previous academic performance in high school or college by GPA, class rank, weighted GPA, college prep curriculum, or ISTEP scores (if Indiana);
- Other factors including character; work ethic; community, school, and church involvement; time management; leadership potential; and other personal or extenuating circumstances.

Final high school transcripts showing date of graduation are required to be sent directly from the school to Anderson University verifying completion and legitimacy. If a transcript is called into question, a letter from the high school certifying graduation and/or credits may be required.

Admission decisions may include the following:

- **Admission with Distinction** (Honors Day invitation):  $\geq 3.75$  GPA (optional 1200 SAT/27 ACT)
- **Standard Admission**:  $\geq 2.75$  GPA (optional 950 SAT/20 ACT)
- **Admission by Director Review**:  $\geq 2.0$  GPA (optional 860 SAT/18 ACT)
- **Admission Committee/Alpha Admission**:  $< 2.0$  GPA or IN General Diploma (optional 860 SAT/18 ACT)
- **Denial**: Students denied admission who wish to reapply at a later date are recommended to complete one year of full-time study at a regionally accredited community college, with a minimum of 12 non-remedial credits earned with a 2.0 or higher GPA.

## INTERNATIONAL STUDENTS

Anderson University is registered with and authorized by the Department of Homeland Security, through the Code of Federal Regulations, to issue Form 1-20 authorizing the full-time enrollment of F-1 (visa) students who are citizens of other countries. Anderson University welcomes the cultural richness and variety of experiences brought by international students. International students should expect to experience academic, spiritual, and social growth in a campus community of faith where mutual respect and Christian service are emphasized.

Following written application and submission of required materials, applicants are individually considered for academic eligibility.

Requirements for Admission to Anderson University (International):

- Application for admission is available on our website at [anderson.edu/admissions](http://anderson.edu/admissions) or via the Common Application process at [commonapp.org](http://commonapp.org) (no application fee required).
- Official High School Transcript
- Official score report from TOEFL, IELTS or Duolingo if English is not the primary spoken language:
  - Minimum TOEFL Minimum Requirements: IBT (Internet-Based) score of 78  
PBT (Paper-Based) score of 564  
CBT (Computer-Based) score of 210
  - Minimum IELTS Requirement: 6.0
  - Minimum Duolingo Requirement: 90-115

Proof of English proficiency may be waived on a case-by-case basis for those students who have attended secondary school in an English speaking (instruction) school. Please contact your admission counselor to discuss the waiver.

Credits earned through educational institutions located outside of the United States will be considered for acceptance after an appropriate evaluation. Educational institutions must be recognized by the Ministry of Education (or other accrediting body) of the respective country in order for credit to be accepted. Students may be required to send their documents to an evaluation agency for a course-by-course evaluation report. An official copy of this report should be sent directly to the Registrar's Office at Anderson University. This report will then be reviewed to determine acceptable transfer credit.

Address questions and requests for information to:

Office of Admissions  
Anderson University  
1100 E. Fifth St.  
Anderson, IN 46012-3495 (USA)  
*info@anderson.edu*

## TRANSFER STUDENTS

Anderson University welcomes applications from transfer students. The same admission requirements are expected as for freshman applicants, with the following exceptions:

- An applicant with 12 or more college credits and a 2.0 GPA following high school graduation will be considered for admission as a transfer student. If less than 12 credits have been earned, a high school transcript showing proof of graduation (or GED) is required, and the applicant must meet the above guidelines for freshman admission.
- A transfer recommendation form may be required from the last university attended.
- An applicant with 12 or more college credits below a 2.0 GPA will be considered for conditional admission by committee, which may admit the student on probation. Students on probation may not enroll in more than 12 credit hours per semester until a 2.0 GPA is achieved.
- An official transcript must be received from each post-secondary institution attended, regardless of whether the student earned credit or withdrew prior to credit being earned.
- Official transcripts are those that are received by Anderson University directly from the institution(s) awarding the original credit. Official transcripts are used for admissions purposes only and are not returnable or transferable.
- Official transcripts will be evaluated for credit transfer upon receipt. Courses earning a C- or better from regionally accredited institutions will be evaluated for credit by the Office of the Registrar at Anderson University. Students may use Indiana's Core Transfer Library to perform an online self-assessment of transferable credits: *transferin.net/earned-credits/core-transfer-library*.
- For additional information regarding transfer of credit earned from other institutions, see also the Academic Policies section of this catalog.

## READMISSION

Students planning to return to Anderson University after an absence must complete a readmission form, which can be obtained online at *anderson.edu/admissions*.

- Transcripts of all college work taken since the last date of attendance at Anderson University must be submitted.
- All students applying for readmission to Anderson University must be approved by the admissions committee before readmission can be granted.

## APPEALING THE ADMISSION DECISION

An applicant denied admission or readmission, or who is granted a conditional admission or readmission, may appeal that decision by submitting a written request for review with the Director of Admissions. Any such appeal should include supporting documentation which was not previously available, particularly information of an academic nature. Appeals will be reviewed by the Admissions Committee. Appeals for admission in a given semester will not be considered after the first day of classes.

## MARKETING, RECRUITING, AND ADVERTISING

As a member of National Association for College Admission Counseling (NACAC), Anderson University follows the NACAC Code of Ethics and Professional Practices in the recruitment of all students found here: *nacacnet.org/advocacy--ethics/NACAC-Guide-to-Ethical-Practice-in-College-Admission*.

In addition to NACAC's Code of Ethics and Professional Practices, Anderson University will ensure compliance with program integrity requirements consistent with the regulations issued by the Department of Education (34 C.F.R. 668.71-668.75 and 668.14) related to restrictions on misrepresentation, recruitment, and payment of incentive compensation. This applies to the educational institution itself and its agents including third party lead generators, marketing firms, or companies that own or operate the educational institutions. As part of efforts to eliminate unfair, deceptive, and abusive marketing aimed at Service members.

AU and its agents including third party lead generators, marketing firms, or companies that own or operate the educational institutions will:

1. Ban inducements, including any gratuity, favor, discount, entertainment, hospitality, loan, transportation, lodging, meals, or other item having a monetary value of more than a de minimis amount, to any individual or entity, or its agents including third party lead generators or marketing firms other than salaries paid to employees or fees paid to contractors in conformity with all applicable laws for the purpose of securing enrollments of service members or obtaining access to TA funds. Educational institution sponsored scholarships or grants and tuition reductions available to military students are permissible, and;
2. Refrain from providing any commission, bonus, or other incentive payment based directly or indirectly on securing enrollments or federal financial aid (including TA funds) to any persons or entities engaged in any student recruiting, admission activities, or making decisions regarding the award of student financial assistance, and;
3. Refrain from high-pressure recruitment tactics such as making multiple unsolicited contacts (three or more), including contacts by phone, email, or in-person, and engaging in same-day recruitment and registration for the purpose of securing service member enrollments.

## FEES

All students have the benefit of a scholarship since they do not pay the full cost of their education. The Church of God, alumni, businesses, industries, foundations, and private donors contribute substantially to underwrite the education cost of each student attending Anderson University.

The following charges are the basic budget costs per semester for the 2021-22 academic year:

Tuition	\$16,130
Room	3,230
Meal Plan	2,335
Fees	<u>345</u>
Total	\$22,040

This budget provides admission as a full-time student enrolled for 12-18 hours. Students are also responsible for field trip costs. Room rent is based on two people per room in most regular university residence halls. Residential freshmen, sophomores, and juniors are required to purchase a meal plan.

The university meal plan offers students various dining options around campus, including the Marketplace (main cafeteria), Raven's Haven (Chick-fil-A and a student choice venue, which is a rotating concept for each semester determined by student vote), Mocha Joe's (student-run coffee venue), and Create (grab and go). Menu selection and hours of service vary to accommodate students' needs and schedules.

In addition to these basic costs, students should budget \$2,500-\$3,000 each semester for books, additional meals, and incidental expenses. Rates stated above are subject to change.

Although all tuition, room, and board charges are due and can be paid at the beginning of each semester, a monthly payment plan is available. Information regarding the payment plan is sent to all new and returning students. Payment plan information is available in the Office of Financial Aid and Scholarships.

Special fees and other rates may be found on the university website.

## FINANCIAL AID

Anderson University seeks to provide financial counseling and assistance to all students desiring such services. A number of aids and resources are available to the university to assist the varied financial needs of Anderson University students.

Most aid at Anderson University is based on financial need. Financial need can be defined as the difference between the cost of education and the anticipated financial contribution from the family toward college costs. Anderson University believes the basic responsibility of educational financing rests with students and their families.

Financial aid is offered to Anderson University students through a combination of aid programs available from federal, state, and local sources. This combination of sources is referred to as a financial aid package. The financial aid package is generally offered with two components of aid: non-repayable assistance (grants or scholarships) and self-help assistance (student loans and employment).

To be considered for need-based financial assistance, students must submit a Free Application for Federal Student Aid (FAFSA). Financial aid is awarded annually; Dec. 1 is the preferred date for receiving the FAFSA. Aid requests are considered after March 1 and throughout the school year from the available funds remaining after the preference date.

Occasionally, students may find it necessary to vary their enrollment status (i.e., changing from full time student to part time). Because eligibility to the financial aid programs is related directly to enrollment status, students should consult with the Office of Financial Aid & Scholarships to learn what effect, if any, their contemplated change of enrollment will have on their financial aid.

Additional policies and procedures are available from the Office of Financial Aid and Scholarships or online at [anderson.edu/financial-aid](http://anderson.edu/financial-aid).

## **VETERANS BENEFITS**

Anderson University attempts to make a good-faith effort to comply with Executive Order 13607: establishing principles of excellence for educational institutions serving service members, veterans, spouses, and other family members. These principles were established to strengthen oversight, enforcement, and accountability of education programs and to ensure all service members, veterans, and their families have the necessary information they need to make informed decisions concerning their educational goals. In addition, we advise service members to speak with an education services officer or counselor within their military service prior to enrolling at the university.

Anderson University complies with regulations of the State of Indiana Department of Veterans Affairs, Veterans Educational Unit, including approval of the university calendar, tuition and fees schedule, and the academic policies of the university. The university is authorized to enroll recipients of Veterans Administration benefits in regularly scheduled credit courses leading to standard college degrees.

Inquiries concerning eligibility should be directed to the Department of Veterans Affairs. Individuals planning to study under one of the education chapters should receive approval before enrolling. More information is available online at [anderson.edu/registrar/veterans](http://anderson.edu/registrar/veterans).

VA Chapter 31 and Chapter 33 - Assessment of Late Fees. In accordance with Title 38 US Code 3679 subsection (e), Anderson University adopts the following provisions for any students using U.S. Department of Veterans Affairs (VA) Post 9/11 GI Bill (Ch. 33) or Vocational Rehabilitation & Employment (Ch. 31) benefits, while payment to the institution is pending from the VA. Anderson University will not:

- Prevent the student's enrollment;
- Assess a late penalty fee to the student;
- Require the student to secure alternative or additional funding;
- Deny the student access to any resources (access to classes, libraries, or other institutional facilities) available to other students who have satisfied their tuition and fee bills to the institution.

However, to qualify for this provision, such students are required to:

- Produce the VA Certificate of Eligibility (COE) or Change of Program or Place of Training Form 22-1905.
- All students must submit a VA Education Benefit Request Form for each semester they intend to receive VA payments. Students' classes won't be certified to the VA unless they are enrolled in the classes.

## REFUND POLICY

Registration constitutes a contractual agreement between the university and the student. Students withdrawing from all classes after classes have begun or reducing the number of hours carried may be entitled to a reduction in charges for tuition, room rent, and meal ticket. Reductions for withdrawals or schedule revisions occurring on or before the end of:

- first week of classes – 90% reduction
- second week of classes – 80% reduction
- third week of classes – 60% reduction
- fourth week of classes – 40% reduction
- fifth week of classes – 20% reduction
- sixth week of classes – no reduction

Adjustments are based upon the date of official withdrawal. Official withdrawal from all classes must be preceded by an exit interview with the director of student success. In extenuating circumstances, students may initiate complete withdrawal from all classes by telephone or letter to the assistant provost and dean of students.

Reductions are based on charges made to students and not the amount paid on the students' accounts. There is no reduction of any charges for students who have been dismissed or suspended for disciplinary reasons. Proportional adjustments may be made for summer sessions and those classes where the start dates are not part of the standard term dates.

Questions concerning the policy for complete withdrawal should be directed to the dean of students. Questions of adjustment for reducing the number of hours should be directed to the Office of the University Registrar.

# Academic Policies

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## ACADEMIC FORGIVENESS

The Academic Forgiveness Policy extends to a student who has been away from Anderson University for a period of at least five years and was not making satisfactory academic progress, meaning an overall GPA of less than 2.0. This is a one-time opportunity to establish a new GPA.

The policy will not apply if a student has earned a degree, diploma, or certificate from another college or university. A student receiving academic forgiveness is not eligible for graduation honors. The student must not have been enrolled in any coursework for credit at Anderson for a minimum of five consecutive years prior to the point of requesting academic forgiveness. Students who earn grades of C-, D, F, or WF may request up to 15-semester credits.

Upon readmission to AU, the student must demonstrate academic ability by successfully completing 12-semester credits at the university, with no grades below a C. Students who meet these two conditions may petition in writing to the university registrar by completing an academic forgiveness application to have their grades forgiven and not computed in the grade point average and have the words "academic forgiveness" annotated on their record.

Once the application for academic forgiveness has been approved and after consultation with the student, the Office of the University Registrar will make the following adjustments to the student's transcript: Up to 15-semester credits of coursework, to be selected by the student, will be rescinded prior to the point of academic forgiveness; however, course titles and grades from these courses will remain on the transcript. Calculation of the student's GPA will not include grades for classes approved for forgiveness. For more information, contact the Office of the University Registrar.

## ACADEMIC INTEGRITY

Anderson University supports and promotes academic honesty and personal integrity and regards cheating, plagiarism, and all other forms of academic dishonesty as serious offenses against the university community. The Policy on Academic Integrity may be found in full in the Faculty Handbook (Section 4.23) and is also referenced in the Student Handbook located at [anderson.edu/student-life/handbook](http://anderson.edu/student-life/handbook).

## **ACADEMIC LEAVE OF ABSENCE**

Anderson University offers undergraduate students who are in good standing, as defined by Anderson University's academic policy, and who are not subject to disciplinary action the opportunity to request an academic leave of absence.

The Leave of Absence Policy applies to students who are pursuing a degree from Anderson University but leave the university for a semester to participate in a study-abroad program, internship, or practicum, which is not done with an AU matriculation. The leave of absence may also apply to students who, due to circumstances beyond their control (such as the need to care for ill parents or the onset of a personal illness or military training), must suspend their enrollment in classes for a semester. A leave of absence is typically granted for one semester but, depending on the specific circumstances, can be granted for a full academic year if the student intends to return to Anderson University for the completion of their degree. To qualify, students must be in good academic and financial standing and must complete the required application forms.

The academic records of students granted a leave of absence remain in an active status. While on academic leave of absence, the student retains the right to use some campus facilities such as the AU library, student counseling services, and career services.

Due to Visa restrictions, international students may not be eligible for academic leave and should consult with the Cultural Resource Center. For more information, please see the Office of the University Registrar.

## **ACADEMIC LOAD**

A full-time academic load is 12-18 hours. Upon approval from their school dean, students with records of above-average academic performance may register at additional cost for additional hours. Summer school terms, international opportunity, or transfer work may not be used to establish a semester GPA.

The number of hours taken each semester is dependent upon a student's GPA:

- Students with a 3.25 GPA may register for 19 hours.
- Students with a 3.5 GPA may register for 20 hours.
- Students with a 3.75 GPA may register for 21 hours.

These guidelines also apply to students who have earned 52 or more hours and whose cumulative GPAs at the time of registration meet the stated standards. The factors of previous academic achievement, types of courses to be taken, and demands of employment must also be recognized.

## **ACADEMIC PROBATION**

Students may be dropped from the university at any time when excessive class absences or academic performance indicates an inability or unwillingness to achieve normal progress toward a degree. Typically, however, students not in good academic standing are placed on academic probation for a maximum of two consecutive semesters.

In general, students on academic probation may not participate in any extracurricular activities. The provost has the final authority over the conditions placed upon students on academic probation.

Students on academic probation are expected to develop and sign an academic support contract with the director of educational support services before attending classes. The academic support contract may include, but is not limited to, such items as study assistance, limits on work commitments, housing, course load, and class attendance.

## **ACADEMIC PROGRESSION**

Any student not achieving acceptable standards may be barred from returning to Anderson University for a period of at least one semester. Students who are readmitted after having been barred once are expected to attain a 2.0 current GPA in their next 12 hours and must continue to achieve or make substantial progress toward the stated minimum standards in order to continue. If the student is barred a second time, it will be for at least two years. Any subsequent readmission will be regarded as a final opportunity to continue studies at Anderson University.

The provost may request the barring appeals committee to review and make recommendations regarding cases when necessary. Extenuating circumstances may justify the continuation of students whose cumulative GPA falls below the stated standards.

## ACADEMIC STANDING

To be in good academic standing, students must maintain the following standards:

<u>Hours Earned</u>	<u>GPA</u>
1-29	1.6
30-59	1.8
60 or more	2.0

## ADVANCED PLACEMENT

Advanced placement and/or credit may be earned through placement examination for a maximum of 30 credits. The four examinations Anderson University recognizes are the Advanced Placement Program (AP) of the College Board, the College Level Examination Program (CLEP), the Cambridge International Examinations (GCE A level), and the International Baccalaureate Program, subject to approval by the academic departments. Credit received by examination is tuition-free and applies toward the requirements for graduation. For more information, consult the university website at [anderson.edu/registrar](http://anderson.edu/registrar) for the most current and updated information.

## AUDITING A COURSE

As a means of enrichment to the degree-seeking student, Anderson University recognizes the following ways of auditing a course:

1. Occasional class visitation: A student may wish to visit a class to hear a lecture and/or a discussion on a given topic. The instructor's consent is the only necessary requirement.
2. Auditing one course without fee: Any student registered for 12-18 hours who is making satisfactory academic progress may enroll in an additional class on an informal audit or recorded audit basis.
  - A. Informal Audit: Infrequent attendance of a class with no course obligation. Although formal registration is not required, the student must have the written consent of the instructor. Permission forms are available in the Office of the University Registrar. No record is made of the audit on the student's permanent record.
  - B. Recorded Audit: Regular attendance with normal course obligations for the purpose of having the audit recorded on the student's permanent record. In this situation, the student should follow these procedures:
    - i. Register as an audit using the schedule of classes form or change of schedule form, signed by the advisor.
    - ii. Adhere to the instructor's stated attendance policies.
    - iii. Complete sufficient work of C- quality or better in order to have the audit recorded.
    - iv. Changes of schedules to or from an audit must be done no later than the end of the 5th week of the semester.

The course will be recorded on the student's permanent record as an audit if the above conditions are met and the student does satisfactory work in the course. If the above conditions are not met, the instructor will notify the Office of the University Registrar and no record of the audit will be made.

3. Auditing with payment of fee: A student who does not meet the specific requirements as outlined above may, upon payment of the audit fee, audit a course as outlined under "A" or "B" above. Full-time students are entitled to audit one course per semester at no additional charge. Other students will be charged the current fee. Auditing is a policy privilege extended to full- and part-time AU students only.

## CLASS ATTENDANCE

Effective learning in a university requires the active involvement of both students and faculty. Students are expected to attend all classes unless prevented by extenuating circumstances. Inasmuch as students are responsible for the learning that may develop from both in-class and out-of-class experiences, they should anticipate absences for a good cause (such as varsity athletic trips, field trips, music, drama, and debate trips) and advise their instructors of such absences as far in advance as possible.

Any absence from a class results in a loss of learning for the student. It is the student's obligation to personally notify the individual course instructor(s) about any absence, in advance if possible. Students may be directly penalized only after the number of absences exceeds the number of class meeting hours per week. Where a student misses more than the number of classes stated above, the course instructor has the discretion to allow for the completion of missed work and to determine how such work will be evaluated, including possible penalties.

## CLASS LEVEL IDENTIFICATION

Class identification at Anderson University is determined as follows:

- Freshman: A student who has completed fewer than 24 hours of college credit.
- Sophomore: A student who has completed 24-51 hours of college credit.
- Junior: A student who has completed 52-87 hours of college credit.
- Senior: A student who has completed 88 or more hours of college credit.
- Lower-Division Student: Freshman and sophomore students.
- Upper-Division Student: Junior and senior students.
- Part-time: A student carrying 1-11 hours.
- Special: Audit, guest student, or high school student.
- Children or adults who are taking music lessons but are not doing academic work at the university level.

## COURSE REPETITION

Students may repeat courses for which they received a C- or lower by simply re-enrolling in the same institutional courses. If students wish to repeat courses for which the departmental captions or numbers have changed, they must petition the university registrar. Furthermore, students may repeat courses for which they received a C or above by petitioning the dean of the school in which each course is offered to be granted an exception. The following rules apply in all cases:

- Students may repeat any given course a total of only two times during their academic careers.
- Withdrawal (W, WF, or AW) grade counts as an attempt, but it does not change the previous grade.
- All previous grades received will remain on students' academic records.
- Only the most recent grade received will be used in calculating GPA.
- Credit hours earned toward graduation will be counted for only the most recent course taken.

This policy does not apply to Anderson University credit by examination or transfer credit. The course repetition policy does not apply to courses taken at other colleges or universities and transferred to Anderson University.

## DEAN'S LIST

Full-time students (enrolled in 12 or more hours) who earn a semester GPA of 3.5 to 3.99 qualify for the Dean's List. Full-time students who earn a perfect 4.0 semester GPA qualify for the Dean's List with the additional honor of "Special Distinction."

## GRADING

Grades, Hours, and Credit Points:

An "hour" is coursework equivalent to one class hour per week for a semester. A "credit point" is a measure of the quality of work performed. Credit points are figured only on work completed at Anderson University.

Grade reports are issued by the Office of the University Registrar in the following terms:

<b>A, A-</b>	Achievement of superior quality in course objectives.
<b>B+, B, B-</b>	Achievement of excellent quality in course objectives.
<b>C+, C, C-</b>	Achievement of average or somewhat above average quality in course objectives.
<b>D+, D</b>	Basically unsatisfactory achievement but of sufficient quality to meet minimum requirements.
<b>F</b>	Clearly unsatisfactory or below minimal achievement of course objectives.
<b>I</b>	Incomplete. Allows completion of delayed work by written agreement between instructor and student. Must be on file with the university registrar before grades are processed; becomes F at the end of the fifth week of the following semester if not completed.
<b>IP</b>	In progress.
<b>NR</b>	Faculty did not record a grade.
<b>W</b>	Withdrew.
<b>WF</b>	Withdrawn failing.
<b>AW</b>	Administrative Withdrawal.
<b>S</b>	Work completed at C- level or above.
<b>U</b>	Work completed at D+ level or below.
<b>CR</b>	Work completed at a satisfactory level.
<b>NC</b>	Work completed at an unsatisfactory level.

Students may withdraw from courses during the first five weeks without having a notation on their transcripts; they may withdraw with a recorded W after the fifth week but no later than the end of the 10th week. Students may change their registration to or from S/U during the first five weeks of the semester. No withdrawals or changes in registration are permitted after the 10th week.

<u>Credit points per hour:</u>	A = 4.0
	A- = 3.67
	B+ = 3.33
	B = 3.0
	B- = 2.67
	C+ = 2.33
	C = 2.0
	C- = 1.67
	D+ = 1.33
	D = 1.0

No credit points are given for courses bearing grades of CR, NC, S, U, F, I, W, WF, or AW. The credit point index is the ratio of the number of credit points earned to the number of hours attempted (excluding CR, NC, S, U, and W). No credit points are issued for transfer courses.

Mid-semester grades are available to all students online. Final semester grades are based on the work of the entire semester, which includes examinations and evaluations throughout the course.

### Grade Point Average

Grade point average (GPA) is computed by dividing the total number of credit points accumulated in courses for which a grade of A, A-, B+, B, B-, C+, C, C-, D+, D, F, or WF has been assigned by the total number of hours attempted in those courses. Courses for which a grade of IP, S, U, CR, NC, W, AW, or NR has been assigned are not included in computing the GPA.

When the course is repeated, only the hours and credit points for the latest grade assigned for that course are counted in the total hours attempted and total credit points. The following example shows how semester GPA and cumulative GPA are calculated:

Course	Hours Attempted	Grade	Credit Points
ENGL 1110	3	C	6.0
SOCI 2010	3	B	9.0
BIOL 2210	4	A-	14.68
PSYC 2000	3	D	3.0
HIST 2030	3	F	0.0
Semester Total	16		32.68
Previous Semesters	27		74.0
Cumulative Total	43		106.68

Semester Credit Points:	32.68	Cumulative Credit Points:	106.68
÷ Hours Attempted:	16	÷ Hours Attempted:	43
= <b>Semester GPA:</b>	2.04	= <b>Cumulative GPA:</b>	2.48

*Truncate (don't round) the GPA. For example, a 2.999 GPA is still a 2.99, NOT a 3.0.*

### Grade Appeal

Students believing there is adequate reason for grade reconsideration should consult the instructor who taught the course. If the question about the grade is not satisfactorily resolved, students should consult the appropriate school dean regarding procedures for further consideration. This procedure must be initiated by students no later than 30 days after grades have been issued.

### Credit/Non-Credit Grading

Some courses are offered only as credit or non-credit. As such, they appear in the master schedule of classes with a CR/NC registration. The hours taken are credited toward graduation but will not be considered in determining the grade point average.

## Satisfactory/Unsatisfactory Grading

In addition to registering for courses on a regular-grade basis, students also have the option of registering on a satisfactory/unsatisfactory (S/U) basis.

The S/U option seeks to facilitate intellectual exploration in search of a major, in support of a major, or in pursuit of a personal interest; to offer the flexibility of a grading process which most appropriately relates to the objectives of a particular course; and to provide an opportunity, without grade-point consideration, for students to assess their own interests and abilities. This encourages greater communication between students and faculty concerning the meaning of evaluation. Conditions for taking classes satisfactory/unsatisfactory are as follows:

- Choosing the S/U option is always at the student's discretion.
- S/U options are limited to 12 hours for the student's entire college career and a maximum of 4 hours taken S/U in any one semester.
- Liberal arts courses taken to meet liberal arts requirements may not be taken S/U.
- Courses in the academic major or minor or teacher certification programs may not be taken S/U once the major or minor or program has been declared.
- If a student subsequently elects to major in a discipline in which a course had been graded satisfactory, that course, but no other such courses may be counted toward the major or minor.
- An S signifies a grade of C- or better and U a grade lower than C-.
- Courses taken on the S/U basis will not be considered in determining GPA.

Students should consult their advisors or the chair of the department in which they major regarding the desirability of taking courses S/U. The end of the fifth week is the last day for making a change in registration to or from S/U.

## GRADUATION PROCEDURES

Application for graduation should be made in the spring preceding the senior year. Applications should be on file in the Office of the University Registrar by the following designated deadlines to allow sufficient time for processing:

- Last Friday in April for December and May graduates
- First Monday in October for August graduates

A student's catalog expires 10 years after matriculation. If a catalog has expired, the requirements of the graduation catalog must be met. In matters of course standards, prerequisites, eligibility to continue, and other academic policies, students are subject to the regulations and procedures of the current academic year.

To graduate, students must be in good standing with the university and must have financial arrangements satisfactorily made with the Office of Financial Aid & Scholarships. All incomplete grades must be removed, all institutional examination results recorded, and transfer credits from other institutions must be on file in the Office of the University Registrar. The university reserves the right to remove students from participation in commencement based on academic deficiencies and/or disciplinary actions as defined by the dean of students at any time. Petitions to graduate in absentia must be filed with the university registrar at least three weeks prior to commencement.

## DIRECTED OR INDEPENDENT STUDY

On occasion a student may need or desire to take a course out of schedule (i.e. Directed Study) or to do individual work on a project or topic (i.e. Independent Study) under the supervision of a faculty member.

Directed Study: When a student is unable to take a required catalog course as regularly scheduled the student may petition to the faculty member to take the course as a Directed Study. The same course objectives are used with the only difference being that the student completes the course independently under the direction of the faculty member.

Independent Study: Students interested in pursuing academic credit for an individually constructed course under the supervision of a faculty member may request to develop an Independent Study syllabus. An Independent Study requires a syllabus/learning contract, mutually constructed by the student and faculty member, and must have permission from the faculty member, department chair, academic advisor, and dean. Students may schedule a maximum of 8 hours of independent study applicable to a major, 4 hours to a minor, and no more than 4 hours in a given semester.

## **INSTITUTIONAL EXAM**

Anderson University recognizes the need for student advancement according to ability and achievement. Therefore, students who are competent in a given subject by reason of their particular background or experience outside the university classroom may choose to receive credit by institutional examination. Examinations are to be taken prior to enrollment in the next level course. Not all courses, however, are appropriate for credit by institutional examination.

Results from Anderson University institutional examinations are considered for purposes of advanced standing or advanced placement.

Students must earn a grade of C- or above in the Anderson University institutional examinations to receive credit for the courses. Satisfactory-unsatisfactory (S-U) grading option is available as well as regular letter grades. Graduating seniors must have examination results on file in the Office of the University Registrar by April 1 of their graduation year.

## **INTERNSHIPS**

So as to comply with federal and state regulations and to address concerns for university liability, the University requires students to register for an internship prior to the start of the internship and within university deadlines. Granting credit for internships requires enrollment in the class during the semester/term in which participation in the internship occurs. If an internship extends to more than one semester or term, the student's registration must reflect the credit hours earned each semester or term. This policy satisfies the need to limit university liability and to comply with governmental regulations concerning financial aid.

## **LATIN HONORS**

Students earning a cumulative GPA of 3.7 or above will graduate cum laude; 3.8 and above, magna cum laude; and 3.9 and above, summa cum laude. Such honors are open only to students who have earned the qualifying GPA with a minimum of 60 hours at Anderson University.

## **PROGRAM AND POLICY CHANGES**

The schedule of classes for each academic year is published the preceding February. Both the master schedule of classes and this catalog are regarded as official statements of anticipated course offerings. The university reserves the right to change or cancel any course for which enrollment is less than six students or for which satisfactory arrangements cannot be made.

In addition to courses listed in the catalog, departments may offer special seminars or other courses, as the need arises, under the numbers 1600, 2600, 3600, and 4600.

## **RESIDENCY REQUIREMENT**

To earn a degree from Anderson University, students must be in residence at the university for the last 24 hours applicable to the degree. Under some circumstances, and with special permission, a maximum of six hours of the final 24 hours may be taken elsewhere. Contact the Office of the University Registrar for more information.

## **TRANSCRIPTS**

Students wanting transcripts of their university work must submit a written request to the Office of the University Registrar, giving at least one week's notice. The appropriate fee is to be included with the request. All financial obligations to the university must be arranged to the satisfaction of the Office of Financial Aid & Scholarships before transcripts will be released. Transcripts may be ordered online at [getmytranscript.org](http://getmytranscript.org).

## **TRANSFER OF CREDIT FROM OTHER INSTITUTIONS**

The Office of the University Registrar will evaluate and determine the applicability of all college credits being transferred from other institutions. Students who transfer a substantial number of hours from other institutions are required to complete at least 50% of their majors, minors, or professional fields at Anderson University. Generally, credit is accepted without condition for courses with a grade of C- or above from traditional institutions holding either a regional or Council for Higher Education Accreditation (CHEA). Students should consult with the Office of the University Registrar concerning policy on acceptance of credit from non-traditional institutions and institutions not holding regional accreditation.

GPA is figured only on work completed at Anderson University. Grades for courses from other institutions do not transfer in.

All international students seeking to transfer credit to the university from outside the United States are required to provide an official foreign credit evaluation (FCE) in English, including the cumulative grade point average. Anderson University will accept course-by-course foreign credential evaluations (FCE) from any National Association of Credential Evaluation Services (NACES) member. The international institution must be recognized by the country's Ministry of Higher Education or equivalent government agency. **Note:** All cost associated with foreign transcript evaluations are the student's responsibility.

Transfer courses may be considered applicable to the liberal arts requirement for advanced writing or speech competency (writing/speaking-intensive) if either the transcript indicates that the course(s) were counted toward the other institution's advanced writing or speaking-intensive requirements which meet or exceed Anderson University requirements (see requirements in the Liberal Arts Program section in this catalog), or the student can produce a syllabus that clearly shows how the course(s) satisfies Anderson University's requirements. No more than 64 semester credit hours earned from an Associate Degree may be applied to any Anderson University baccalaureate degree. The transfer credit process can only be initiated for students who have applied to AU.

For more information, contact the Office of the University Registrar.

#### Associate of Arts and Associate of Science Degree Transfer Policy:

Any student transferring to Anderson University from a regionally-accredited or CHEA-recognized college/university with an Associate of Arts or Associate of Science degree and has completed at least 24 credits in the Liberal Arts will have satisfied the Anderson University Liberal Arts Core requirements with the noted exceptions of the religion requirements (Biblical Literacy and Christian Ways of Knowing) and the liberal arts requirements that are embedded in the majors (Writing-Intensive, Speaking-Intensive, and Experiential requirements). Associate degree transfer students must complete at least 60 hours at Anderson University and reach 120 credits to graduate. This policy only applies to students who hold an Associate Degree prior to matriculating to AU. For more information, contact the Office of the University Registrar.

#### Transfer of Credit - Current Students:

Students currently enrolled at Anderson University should obtain permission from the university registrar to take courses elsewhere if they intend to transfer that coursework to AU. Courses need to be taken at a regionally accredited college or university.

A syllabus or catalog description from the other institution is required to determine the applicability of the intended coursework toward the liberal arts or program requirements. Students who have a declared major need departmental approval as well as approval from the university registrar for course that apply to a major or minor

A final grade of C- or above must be earned in order for transfer credit to be received. Grades for courses taken at other institutions will not appear on your AU transcript, but credit hours may count toward graduation requirements. The Anderson University Course Repetition Policy requires that the same course must be taken at AU be repeated to adjust the GPA.

## **WITHDRAWAL FROM COURSES**

#### Student-Initiated Withdrawal:

Official withdrawal from all courses must be completed by an interview with the Director of Student Success. The official date of withdrawal will be the date the student last attended and/or participated in coursework in any class. In extenuating circumstances, students may initiate complete withdrawal from all courses by phone or letter to the Office of the University Registrar.

Students desiring to drop individual courses may do so through their assigned academic advisors. Students are required to present the Office of the University Registrar with a change-of-schedule form noting the changes and their advisors' signatures.

Questions concerning the policy for complete withdrawal should be directed to the dean of students or university of registrar. Questions regarding dropping an individual course should be directed to the student's adviser or the Office of the University Registrar.

### University-Initiated Withdrawal

The university has the authority to withdraw a student from the university and to revoke that student's registration at any time during the academic year. There are two types of university-initiated withdrawals – withdrawn failing (WF) and administrative (AW).

The faculty assigns WF at any time before the 10th week of the semester or by the dean of students whenever it is deemed appropriate. It is assigned either when a student has stopped attending classes without officially withdrawing or when a student is withdrawn for disciplinary reasons. For purposes of grade point average calculation WF is equivalent to F.

A grade of AW is recorded for administrative withdrawals. It is assigned by the administration or the dean of students when circumstances do not warrant a failing grade or whenever it is deemed appropriate. The grade of AW is not computed in the student's grade point average and therefore involves no academic penalty. The registrar must authorize the recording of this grade.

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For the most up-to-date information, please contact the Office of the University Registrar. Further academic policy information is also available on the university website.

In addition to academic policies, students are expected to follow the campus policies and procedures contained in the Student Handbook which is published annually by the Division of Student Life. The handbook also serves as a resource to connect students to faculty and staff working to help them succeed. Some of the policies included in the student handbook include:

- Chapel Attendance
- Residence Life
- Title IX
- Housing
- Community Standards and Code of Conduct

There is also information available in the handbook related to the following:

- Financial Aid
- Student Services
- Police and Security Services

For a full list of Student Life policies, procedures, and resources, please review the student handbook, published online at [anderson.edu/student-life/handbook](http://anderson.edu/student-life/handbook).

## Academic Organization

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The academic programs of Anderson University are grouped into six schools:

- Falls School of Business
- School of Humanities and Behavioral Science – Communication and Design Arts; English; History and Political Science; Liberal Arts; Modern Foreign Languages and Cultures; Psychology; Social Work, Criminal Justice, and Family Science; and Teacher Education
- School of Music, Theatre, and Dance
- School of Nursing and Kinesiology
- School of Science and Engineering – Biology; Computer Science; Mathematics; Physical Sciences and Engineering
- School of Theology and Christian Ministry

Each school has its own dean who is its chief operational officer in regard to all programs and personnel of that school.

## MAJORS AND MINORS

Majors provide the opportunity to take a grouping of courses, usually concentrated in one department, for purposes of specialization or professional certification. In addition to the major, a minor or cognate of 15-18 hours may be selected but is not required.

Students are responsible for planning and completing the requirements of their majors, minors, and cognates. A GPA of at least 2.0 is required for all courses applied to the major or area of concentration.

Students completing two or more majors (including complementary majors) must earn a minimum of 15 hours that are unique to each major. To be awarded a major, students must complete at least 50% of all coursework in residence at Anderson University.

### DECLARATION OF MAJOR AND MINOR

Students need to file a declaration of major and minor or cognate with the Office of the University Registrar. For planning the proper sequence of courses, students should declare the major as soon as possible.

This application and the procedures involved in its approval afford students an opportunity for evaluation of their objectives in college and life. Students formally state their proposed majors, minors, and/or professional or pre-professional programs and confer with the major advisor of the department or program concerning requirements. This procedure constitutes students' official declarations of majors or minors.

To change majors or minors, students must file the appropriate form in the Office of the University Registrar at the earliest possible date.

### ADMISSION TO A PARTICULAR MAJOR

Admission to Anderson University does not automatically include admission to specialized programs within the university, such as athletic training, business, education, music, nursing, and social work. The criteria for admission and acceptance to specialized programs are determined by the faculty of those programs. Information regarding application deadlines and admissions criteria may be obtained from the departments offering the programs to which students wish to apply.

## MAJORS

Majors are defined as a concentration of at least 30 hours of related courses, designed to provide individual depth within a discipline or a recognized field of study. Unless otherwise noted, all majors lead to the Bachelor of Arts (BA) degree. Majors include the following:

- |  |                                       |  |
|--|---------------------------------------|--|
| • Accounting                                     | • General Studies                     | • Physical Science                           |
| • Athletic Training                              | • Global Business                     | • Physics (BA)                               |
| • Bible and Religion                             | • History                             | • Political Science                          |
| • Biochemistry (BA or BS)                        | • Instrumental Performance            | • Political Science/Philosophy/<br>Economics |
| • Biology (BA or BS)                             | • International Relations             | • Public Health (BA or BS)                   |
| • Business Administration<br>and Leadership (BS) | • Journalism                          | • Public History                             |
| • Chemistry (BA or BS)                           | • Literary Studies                    | • Psychology                                 |
| • Christian Ministries                           | • Management                          | • Public Relations                           |
| • Cinema and Media Arts                          | • Marketing                           | • Social Work                                |
| • Computer Science (BA or BS)                    | • Mathematics (BA or BS)              | • Songwriting                                |
| • Computer Engineering (BS)                      | • Mathematics-Decision Science        | • Spanish                                    |
| • Criminal Justice                               | • Mathematics-Economics               | • Sport and Recreational<br>Leadership       |
| • Cybersecurity                                  | • Mathematics-Finance                 | • Sport Marketing                            |
| • Dance  | • Mechanical Engineering (BS)         | • Teaching Majors (listed below)             |
| • Data Science (BA or BS)                        | • Mechatronics Engineering (BS)       | • Theatre                                    |
| • Electrical Engineering (BS)                    | • Music                               | • Visual Communication Design                |
| • Engineering Management                         | • Music Business                      | • Voice Performance                          |
| • Engineering Physics (BS)                       | • Music and Entertainment<br>Business | • Worship Arts                               |
| • Exercise Science                               | • Musical Theatre (BA or BMus)        | • Writing                                    |
| • Family Science                                 | • National Security Studies           | • Youth Ministries                           |
| • Finance  | • Nursing (BSN)                       |  |

## TEACHING MAJORS

A teaching major is a grouping of 36-62 hours, sometimes in more than one department, for purposes of specialization and teacher certification. Unless otherwise noted, all teaching majors lead to the Bachelor of Arts (BA) degree. Teaching majors include:

- Elementary Education
- Language Arts
- Mathematics
- Music Education (BMus)
- Physical Education: K-12
- Social Studies
- Spanish Education: P-12

## THREE-YEAR MAJORS

The following majors can be completed in three years of full-time, year-round work:

- Accounting
- Bible and Religion
- Biology
- Chemistry
- Christian Ministries
- Computer Science (BA)
- Criminal Justice
- Cybersecurity
- Data Science (BA)
- Elementary Education
- Exercise Science
- Family Science
- Finance
- Global Business
- History
- Literary Studies
- Management
- Marketing
- Mathematics
- Mathematics (BS)
- Mathematics-Decision Science
- Mathematics-Finance
- Music Business
- Political Science
- Public Relations
- Psychology
- Spanish
- Sport Marketing
- Writing
- Youth Ministries

## COMPLEMENTARY MAJORS

A complementary major is a group of related courses (26-54 hours) that must be taken with one of the majors listed in the preceding section. A complementary major is intended to enhance a primary major and may not stand alone to fulfill graduation requirements. Complementary majors may not be coupled with other complementary majors to fulfill graduation requirements. Complementary Majors include the following:

- Business Administration
- Business-Information Systems
- Christian Ministries
- Christian Spiritual Formation
- Computer Science
- Dance
- Data Science
- Journalism
- Music
- Psychology
- Spanish
- Youth Leadership-Development

## NON-CATALOG MAJORS

A student may construct and pursue a major course of study not listed in the catalog to achieve a goal of personal significance. Such a major must be strong enough to justify inclusion in the catalog if the student demand is sufficient and the institutional resources adequate. This may only be taken as a complement to a primary major. If such a major is interdepartmental or interdisciplinary, it must have the approval of all departments involved and the dean of the school.

## MINORS

A minor is defined as a clustering of related courses intended to provide individual depth in an area other than a student's major. A minor is a grouping of 15-18 hours in a single discipline or recognized field of study and must include 12 hours which do not overlap with any other requirement (i.e. another major or minor requirement). A GPA of at least 2.0 is required for all courses applied to the minor. To be awarded a minor, students must complete at least 50% of all coursework in residence at Anderson University. In some cases, a student may wish to complete a second major in lieu of a minor. A student may present a major and a minor in a department offering more than one major. This minor must be in a different field and must include a minimum of 12 hours not applicable to one or more majors.

Minors include the following:

- Accounting
- Athletic Coaching
- Biology
- Chemistry
- Christian Ministries
- Christian Spiritual Formation
- Cinema and Media Arts
- Computer Science
- Criminal Justice
- Dance
- Data Science
- Economics
- Education
- Entertainment and Music Business
- Entrepreneurship
- Ethics
- Event Planning and Management
- Family Science
- Finance
- French
- Global Business
- Health Education
- History
- History of Christianity
- Information Systems
- International Relations
- Journalism
- Legal Studies
- Literary Studies
- Management
- Marketing
- Mathematics
- Music
- Music Performance
- Nonprofit Leadership
- Nutrition
- Peace and Conflict Transformation
- Philosophy
- Physical Education
- Physics
- Political Science
- Psychology
- Public History
- Public Health
- Public Relations
- Religion
- Social Media
- Sociology
- Social Work
- Spanish
- Special Education
- Sport Marketing
- Sport and Recreational Leadership
- Statistics
- Theatre
- Visual Communication Design
- Women's Studies
- Writing

### **TEACHING MINOR**

- Reading
- Special Education Mild Intervention

### **ASSOCIATE DEGREES**

- Associate of Arts with a Concentration in Criminal Justice. For more information, see the Department of Social Work, Criminal Justice, and Family Science in this catalog.
- Associate of Science with Concentration in any area with the approval of the academic advisor. Online students may choose from concentrations in Business, Business Administration and Leadership, History, or Sociology. For more information, contact the Dean of the School of Humanities and Behavioral Science.

### **COGNATES**

A cognate is defined as a cluster of courses designed to enrich or provide breadth to an academic major. A cognate consists of 15-18 hours in two or more disciplines and may include no more than 4 hours in courses applied to other requirements. A GPA of at least 2.0 is required for all courses applied to the cognate.

Cognates are generally individually designed and are developed with the approval of the chair of the department offering the related major and the dean of the school.

# Pre-Professional Programs

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## PRE-SEMINARY STUDIES

The university seeks to serve students preparing for seminary admission through a range of courses considered basic to such graduate professional study. There is no single normative pattern for pre-seminary education because of widely varying emphases and settings for ministry. The Anderson University School of Theology and Christian Ministry follows current admission recommendations of the Association of Theological Schools when it suggests the following categories of learning as foundational for graduate seminary study:

- The ability to read, write, and speak clear and correct English is vital for interpreting and communicating the faith of the church. It is highly desirable that a reading knowledge of Hebrew and/or Greek be developed as a basic tool. Additional language skills might be essential, depending on vocational intent.
- General understanding of human selfhood, modern social institutions, culture and religion, science and technology. Students are expected to have some academic understanding of the fields of philosophy, sociology, psychology, and history, and in some instances, may major in one of these areas.
- Theological understanding of major religious traditions and the contemporary understanding of values and faith. A knowledge of the nature and content of biblical materials is of particular significance.

Details of admission requirements for the Anderson University School of Theology and Christian Ministry should be considered in the planning of undergraduate junior and senior years.

## PRE-HEALTH PROFESSIONAL PROGRAMS

Anderson University offers pre-health professional programs for students desiring careers in medicine, athletic training, physical and occupational therapy, dentistry, physician assistant, pharmacy, chiropractic, optometry, podiatry, and veterinary medicine. Individualized programs are developed for students wishing to enter other health professions not listed above.

Although most pre-health profession students major in biology, biochemistry, chemistry, or exercise science, in most cases any major may be chosen as long as particular health profession program and course requirements are met. The length and specific coursework for each program varies depending on the field and the individual professional school selected. Each pre-health professional program is designed to give students a broad, Christian, liberal arts preparation for service in the health field of choice. The program usually consists of the following components:

- A standard pre-health profession core of courses (one year each of laboratory-based, college-level general biology, general chemistry, and physics).
- Additional courses in the sciences to increase study skills and knowledge base in the medically related subjects.
- A requirement to include courses in psychology, sociology, biblical studies, and communication as part of the liberal arts component.
- Preparation for the particular health profession standardized exam.
- Being an active member in the Pre-Professional Health Society.
- A committee evaluation and recommendation process for the professional school application procedure.

Students interested in a particular pre-health professional program should contact the director of pre-health professional programs for more information and/or referral to the appropriate advisor in that profession.

The success of Anderson University's pre-health profession programs can be measured in a variety of ways. The university has an excellent placement record during the past 15 years, with approximately 85% to 90% of the students who applied to professional programs having been accepted. Of those students who have received strong committee recommendations, essentially 100% have been accepted. Many of our students during the past 15 years have been in the upper 10% of their professional school classes upon graduation from their respective schools.

## **PRE-LAW**

Students planning to attend law school are not restricted to any one major. The top majors for students who apply to law school are political science, English, history, psychology, economics, and business. Students are encouraged to work with their major advisor and AU's pre-law advisor to select courses from across the curriculum that prepare them for admission to law school and the practice of law.

Taking classes across the curriculum helps students develop the analytical, writing, research, and oral communication skills necessary to succeed in law school and beyond. These classes also help students acquire the knowledge of history, politics, societies, cultures, economies, and philosophies that make success in law school more likely.

Interested students should consider the minor in legal studies and consult with AU's pre-law advisor as early as possible.

## **MEDICAL TECHNOLOGY**

The student interested in becoming a medical technologist completes three years at Anderson University and the final (clinical) year of training at one of two hospitals in Indiana: Parkview Hospital in Fort Wayne or Clarian Health (Methodist Hospital) in Indianapolis. Tuition for the clinical year is paid to Anderson University. After successful completion of this program, students earn a Bachelor of Arts in biology and are eligible to pursue clinical laboratory scientist certification through the Board of Registry or the National Certification Agency for Medical Laboratory Personnel.

Admission to a school of medical technology requires the satisfactory completion of three years (92 hours) of academic study that includes completion of all liberal arts requirements; 22 hours of biology, including microbiology and immunology; at least 12 hours of chemistry (8 hours general and 4 hours organic); one course (4 hours) in mathematics; and one course (4 hours) in physics. Students must meet the graduation requirements and biology major requirements stated elsewhere in this catalog. Upon successful completion of these requirements, students are eligible to apply to one of the clinical programs. Interested students should contact the Department of Biology for more details and advising.

## **PHYSICAL THERAPY**

Anderson University offers a program that prepares students for entry into physical therapy programs. Most students seeking to enter the profession obtain a bachelor's degree in exercise science or biology. Because of the small number of schools offering graduate degrees in physical therapy and the large number of students who apply, admission to those programs is very competitive. Anderson University has developed an articulation agreement with Southwest Baptist University in Bolivar, Missouri, to facilitate admission for Anderson University graduates to a doctorate degree program in physical therapy. Interested students should contact the Department of Biology for more details and advising.

# Courses of Instruction

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## CAPTION

Each course in the catalog is listed under a particular caption, a four-character code that identifies the discipline or field of study to which the course is related. Courses offered by the university are listed under caption headings in the sponsoring department's or program's section in this catalog.

Caption	Description	Caption	Description
ACCT	Accounting	INCS	Intercultural Studies
ARTH	Art History	LART	Liberal Arts
ARTS	Art	LEAD	Business Administration and Leadership
ATRG	Athletic Training	MUBS	Music Business
BIBL	Bible	MUED	Music Education
BIOL	Biology	MUPF	Music Performance
BSNS	Business Administration	MUSC	Music
CHEM	Chemistry	MUTR	Musical Theatre
CMIN	Christian Ministries	NURS	Nursing
COMM	Communication	PACT	Peace/Conflict Transformation
CPSC	Computer Science	PEHS	Physical Education
CRIM	Criminal Justice	PETE	Physical Education Teacher Education
DANC	Dance	PHIL	Philosophy
ECON	Economics	PHYS	Physics
EDUC	Education	POSC	Political Science
ENGL	English	PSYC	Psychology
ENGR	Engineering	PUBH	Public Health
EXSC	Exercise Science	RLGN	Bible and Religion
FLAN	Foreign Language	SOCI	Sociology
FREN	French	SOWK	Social Work
GERM	German	SPAN	Spanish
GLBL	Global Studies	SPED	Special Education
HIST	History	SPRL	Sport/Recreation Leadership
HNRS	Honors	THEA	Theatre

## LEVEL

### 1000/2000-Level Courses:

In general, courses in the 1000 or 2000 series count toward the liberal arts requirements and are to be taken during the freshman or sophomore years. Some courses in the 2000 series are first-level courses applicable to a given major or specialization.

### Upper-Division (3000/4000-Level) Courses:

Courses listed in the 3000 and 4000 series are considered upper-division courses and are primarily intended for juniors and seniors. However, freshmen or sophomores in good standing may be allowed to take upper-division courses if they have met the prerequisites and have the approval of their advisors.

## TITLE

Designates the course number and title for this course (e.g., 3070 Genetics, listed under the BIOL caption heading).

## CREDIT HOURS

Indicates the number of credit hours that may be earned by taking this course. Within parentheses, the number to the left indicates the number of classroom hours associated with this course, and the number to the right indicates the number of laboratory or studio hours. These numbers may include a range of hours (i.e. 1-4) or the word “arranged” where the number of hours may vary.

## ADDITIONAL INFORMATION

The course description, listed directly beneath the course title, provides details about themes, topics, and issues covered by the course, as well as additional information:

- **EXPECTATION:** Indicates skills or experiences which students are expected to have achieved or demonstrated before taking this course. Also indicates restrictions regarding who may take this course (i.e. departmental exams, minimum grade in a prerequisite course, etc.).
- **CONSENT:** Indicates whether students must obtain consent to take this course. If no designation is listed, no special consent is required.
- **PREREQUISITE:** Indicates required class standing, required major, or course(s) which must be completed before this course may be taken.
- **COREQUISITE:** Indicates required class standing, required major, or course(s) which must be taken in the same semester as this course.
- **REPEAT:** Indicates when a course may be repeated for credit. May also include limitations on the number of times the course may be repeated or total credits that may be counted.
- **GRADE:** Indicates when CR/NC grading is in effect. No listing indicates standard A-F grading.
- **SAME AS:** Indicates when this course shares the same description and requirements as another course in the catalog.
- **OFFERED:** Indicates the semester and/or year in which this course will be offered, or other terms by which the course will be offered (i.e. with sufficient demand). If no designation is listed, the course is usually offered every year.

# Liberal Arts Framework

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Through the centuries, “higher” education has attempted to lead the learner toward growth and fulfillment in ways consistent with the assumptions and demands of the times. Standard components of this process evolved and became known as the “liberal arts.” These areas of study were thought to be freeing and empowering, thus enabling maturity and responsibility in a person’s thoughts, values, and actions.

In modern times, such liberal arts studies continue to have fundamental importance, even though their content and design have continued to evolve as societal assumptions and demands have changed. Anderson University stands in this long tradition, designing for all its students a curricular pattern that includes fundamental skills and ways of perceiving the world considered essential for meaningful and effective living in the 21st century.

As a Church of God academic institution, Anderson University is committed to the goals and ideals of liberal education as understood through a Christian faith perspective. The requirements for undergraduate degrees have been established with these commitments in view. The university’s conception of liberally educated people involves the freeing and empowering of the total person – his or her spiritual, intellectual, aesthetic, emotional, and physical resources.

## LIBERAL ARTS CORE CURRICULUM

Anderson University has structured its Liberal Arts Core Curriculum to develop students' skills, insight, and appreciation in six *Foundational Skills* and six *Ways of Knowing* (40-43 hours).

### Foundational Skills:

- **The First-Year-Experience Requirement:** 1 hr.  
*Course designed to help students adjust to AU's academic community. Students work both independently and with classmates to Reflect, Connect, and Grow intellectually, socially, and spiritually as whole people in AU's community while also obtaining the necessary practical knowledge to meet their college goals.*  
**LART 1050.**
- **Civil Discourse and Critical Reasoning in the Academy, Church, and Society:** 2 hrs.  
*Courses designed for students to develop their civil discourse and critical thinking skills.*  
**One required course in this category.**
- **Written Communication Requirement:** 6 hrs.  
*Courses designed for students to develop their writing and research skills.*  
**Two required composition courses in this category. Two writing-intensive courses required in this category (built into the major).**
- **Speaking and Listening Requirement:** 3 hrs.  
*Courses designed to develop oral communication skills.*  
**COMM 1000. One speaking-intensive course (built into this major).**
- **Quantitative Reasoning Requirement:** 3 hrs.  
*Courses that pertain to the art of problem solving by means of critical thinking, logic, and quantitative methods. All courses in this area require prior demonstration of basic mathematics proficiency as determined by a placement examination or the completion of MATH 1000.*  
**One required course in this category.**
- **Biblical Literacy Requirement:** 3 hrs.  
*This course is designed to accomplish two goals: (1) to foster the student's development of a critically based knowledge of the content of the Bible and (2) to assist students in becoming fluent in the interpretation of Scripture.*  
**BIBL 2000.**
- **Personal Wellness Requirement:** 2 hrs.  
*These courses and experiences examine the relationships of physical activity, leisure, diet, and health and fitness to total personal development.*  
**One required course in this category.**

### Ways of Knowing:

- **Christian Ways of Knowing Requirement:** 3 hrs.  
*Included in the Anderson University community is a faith perspective that is prepared to raise questions of truth, value, meaning, and morality. Therefore, we foster an atmosphere of free inquiry, consistent with the sponsoring church's tradition that prizes hospitality as a Christian virtue. These courses explore the role of religion in human experience.*  
**One required course in this category.**
- **Scientific Ways of Knowing Requirement:** 4 hrs.  
*These courses present students with a way of understanding the natural laws that govern the behavior of the material world, focusing on knowledge that is quantifiable and accessible through human senses and human reason.*  
**One laboratory science course required in this category.**

- **Civic Ways of Knowing Requirement: 3 hrs.**  
*Courses in this area present students with a way of understanding the world through the study of the philosophical and political developments that have led to modern notions of responsible citizenship.*  
**One required course in this category.**
- **Aesthetic Ways of Knowing Requirement: 3 hrs.**  
*These courses present students with a way of understanding the deepest levels of human experience as expressed in communication arts, dance, literature, music, and theatre from diverse cultures and time periods.*  
**One 3-credit course -OR-  
 One 2-credit appreciation course plus one 1-credit experiential course.**
- **Social and Behavioral Ways of Knowing Requirement: 3 hrs.**  
*These courses present students with ways of understanding human behavior in either individual or social contexts. Emphasis is placed on the application of a scientific perspective to explain human conduct, including related theoretical views and the development of empirical knowledge through research.*  
**One required course in this category.**
- **Global and Intercultural Ways of Knowing Requirement: 7 hrs.**  
*The combination of these courses presents students with ways of understanding human diversity through the development of intercultural perspectives.*  
**One foreign language course (4 cr.) based on departmental placement;  
 One global/intercultural or additional foreign language course (3 cr.).**
- **Experiential Ways of Knowing Requirement: Built into the major**  
*Anderson University values experiential learning and requires every major to provide significant experiential learning opportunities for their students. These experiences must intentionally connect academic theory, hands-on practice, and student reflection with a significant academic component.*  
**One experiential competency that can be fulfilled by a course,  
 internship, practicum, capstone, clinical, or approved activity.**

Because of the immediate usefulness of writing, oral communication, and mathematics, students should endeavor to complete the written communication (ENGL 1100 or 1110 and 1120), speaking and listening (COMM 1000), and quantitative reasoning requirements during the first college year. Students must enroll in the appropriate writing skills courses every consecutive semester until they have met the writing-skills requirement.

The first-year-experience seminar (LART 1050) must be taken within the first 24 hours at Anderson University. Students must continue to take LART 1050 as offered until the requirement is met.

In addition, students should endeavor to complete the foreign language component of the Global and Intercultural Ways of Knowing during the first college year. If necessary, however, the foreign language component may be completed after the first year, preferably no later than the second year.

The phrase “upper-division course” means a course numbered 3000 or above. These courses are designed primarily for upper-division students and may assume some prior introductory understandings.

For details on how Honors Program (HNRS) courses apply to the liberal arts core curriculum, see the Honors “Courses of Instruction” section of this catalog.

## LEARNING OUTCOMES

Faculty at Anderson University have approved learning outcomes that must be addressed in courses that are approved for inclusion in the liberal arts requirements. These learning outcomes are as follows:

- **Critical reasoning/thinking** – Opportunities will be provided to develop intellectual curiosity, independence of thought, and an ability to formulate and test positions on major questions.
- **Communication** – Opportunities will be provided for students to speak and write both within their major fields of study and more general areas with clarity and precision. The experiences will develop an ability to listen and respond effectively to the expression of ideas by others, and they will have the technological and bibliographic skills needed for the development of defensible positions.
- **Cross-disciplinary view** – Opportunities will be provided for students to develop a variety of perspectives on major issues, events, and questions.
- **Christian commitments and practices** – Opportunities will be provided for students to explore the relationship between Christian commitments and practices and personal and global questions and issues. They will be encouraged to explore their obligation for service in personal and professional areas of life and have a sensitivity to their relationship to God, the church, and society.
- **Intercultural perspectives** – Opportunities provided for students to develop an understanding of people from diverse cultural groups, races, genders, socio-economic backgrounds, political opinions, language, and religious experiences.
- **Preparation for service** – Opportunities will be provided for students to develop the knowledge, skills, and dispositions required in graduate or professional education or the job market. We consciously bring together the liberal arts, professional preparation, and biblical faith and understanding to assist students to serve in diverse local, national, and global societies.

As an institution committed to Christian service, Anderson University strives through its curricula and informal activities to achieve student development in these areas, providing the breadth and depth necessary for the fullest preparation for life.

The liberal arts program requirements are defined in terms of courses to be taken at Anderson University. The most current list of approved courses is available online at [anderson.edu/registrar](http://anderson.edu/registrar) and may also be obtained in person in the registrar's office.

## Adult Education

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Adult education at Anderson University provides meaningful learning experiences for students age 25 and older by offering a quality education with programs designed with the adult learner in mind. Adult students choose from daytime, evening, or online classes. Anderson University is committed to offering accessible and affordable programs that are relevant in the current workforce and economy. Adult learners are supported with dedicated advisors and success coaches. Recognizing its distinct role in the mission of Anderson University, the Office of Engagement and the Adult Student Experience develops relationships and cultivates partnerships to enhance the student learning experience on campus and community.

### DEGREE PROGRAMS

All traditional degree programs offered by the university are available for adult students to pursue. Online programs designed specifically for adult studies include:

- Associate of Science degree in general studies (p. 90)
- Bachelor of Science degree in Business Administration and Leadership (p. 55)
- Bachelor of Arts degree in Criminal Justice (pp. 189, 190)

### ADULT STUDENT TUITION

Adult students pay a flat rate per semester hour for tuition (exceptions: nursing and transition to teaching). Additional information for adult students can be found at [anderson.edu/adult](http://anderson.edu/adult).

# Associate Degrees

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## **ASSOCIATE OF ARTS: CRIMINAL JUSTICE (60 hrs.)**

This two-year Associate of Arts degree program is designed for students pursuing careers in criminal justice, as well as for individuals already employed in the criminal justice field. The curriculum provides foundational courses in criminal justice and approximately one-half of the hours required for the four-year Bachelor of Arts degree program. The curriculum assumes proficiency in writing at the ENGL 1100 or 1110 level and in mathematics at the MATH 1000 level.

- BIBL 2000; SOCI 2010 or SOCI 2020; SOCI 2450
- CRIM 2510, 2520, 3110
- 9 hours from additional CRIM courses
- 12-14 hours from the liberal arts program (see Liberal Arts Core Curriculum), no more than one course from any one component and no more than 4 hours from courses offered by the department
- Remaining hours from additional courses in any caption; no more than 31 hours from CRIM courses
- Students must complete 60 hours and also meet other graduation requirements as listed in this catalog

## **ASSOCIATE OF SCIENCE (60 hrs.)**

This two-year Associate of Science degree provides foundational courses for the university's bachelor's degrees. The curriculum assumes proficiency in writing at the ENGL 1100 or 1110 level and in mathematics at the MATH 1000 level.

- 15-18 hours in concentration area in any discipline to be approved by your academic advisor. Online students may take concentrations in Business, Business Administration and Leadership, History, or Sociology.
- At least 30 hours of the liberal arts core curriculum requirements from the following categories: ENGL 1100 or 1100, ENGL 1120, COMM 1000, Quantitative Reasoning, BIBL 2000, Personal Wellness, Scientific Ways of Knowing, Civic Ways of Knowing, Aesthetic Ways of Knowing, and Social and Behavioral Ways of Knowing
- At least 30 hours must be completed at Anderson University.
- Completion of 60 hours and also other graduation requirements as listed in this catalog.

# Bachelor Degrees

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## BIOLOGY

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*Dr. Pottorf, chair; Prof. Bailey, Dr. Ippolito, Dr. Lyle-Ippolito;  
Dr. An and Prof. Clem (Clarian Health); Prof. Goff and Dr. Smith (Parkview Hospital)*

The Department of Biology provides a quality educational program combining a broad foundational core curriculum with four areas of specialization:

- **Pre-Professional:** a curriculum designed to enhance the student's appreciation of and success in a professional education program in various medical arts.
- **Science Education:** a curriculum chosen to prepare students to be at the forefront of science education for the 21st century.
- **Molecular/Biochemistry/Microbiology:** a curriculum designed to provide the skills, knowledge, and analytic ability to succeed in modern biology research and/or industrial arenas.
- **Ecology/Environmental:** a curriculum designed to prepare for bachelor entry programs in field biology and environmental science and graduate studies in the fields of ecology, the environment, and zoology.

For those students wanting to go on to graduate school or medical school, the BS is strongly recommended. For more information regarding these programs, contact the chair of the department or visit the departmental office located in Hartung Hall 220.

The ecology/environmental concentration is greatly enhanced through Anderson University's participation in programs offered by the Au Sable Institute of Environmental Studies. The institute has five field stations worldwide: northern Michigan, Puget Sound (Washington), Vara Blanca (Costa Rica), Chicago, and Tamil Nadu (South India). Each station offers field courses (mostly during the summer) in ecology and environmental science appropriate to its location. Students taking courses from Au Sable remain Anderson University students. Since the university has been identified as an institution eligible for financial grants, qualified students may be awarded Au Sable fellowships and scholarships. Interested students should contact Dr. Dan Ippolito for further application information.

The Department of Biology supervises and advises students in medical technology programs. Biology majors pursuing the medical technology program must complete a 22-hour core – BIOL 2210, 2220, 3030, 2240, 3510 or 3920, and 4050 – but are exempt from taking BIOL 4070, 4910, and 4920. The final (clinical) year is taken off campus; courses taken off campus will be counted as upper-division biology courses. Students entering this program should contact the allied health advisor as early as possible to facilitate completion of the program.

The department undertakes advising and supervision of undergraduate programs in a variety of health and science vocations other than those specifically mentioned above (e.g. pharmacy, physical and occupational therapy, physician's assistant, etc.). These pre-professional programs require completion of two to four years at Anderson University followed by graduate or clinical training at another institution in order to enter the profession or stand for licensure examinations. Biology faculty share the advising for these programs and interested students should contact them for additional information.

## BIOLOGY

### BIOLOGY MAJOR (BA) (48 hrs.)

- 28 hours from BIOL 2210, 2220, 2240, 3030, 3510 or 3920, 4050, 4070, 4910, 4920
- 8 hours from additional upper-division BIOL courses (completion of both BIOL 2410 and 2420 will substitute for 4 hours of upper-division biology)
- CHEM 2110, 2120, 2210

*BIOL 2230, 3800, and 4700 do not apply toward the major.*

*Additional CHEM courses, especially CHEM 2220 and 3100, are strongly recommended.*

### BIOLOGY MAJOR (BS) (72 hrs.)

- 28 hours from BIOL 2210, 2220, 2240, 3030, 3510 or 3920, 4050, 4070, 4910, 4920
- 12 hours from additional upper-division BIOL courses (completion of both BIOL 2410 and 2420 will substitute for 4 hours of upper-division biology)
- CHEM 2110, 2120, 2210, 2220
- PHYS 2140 or 2240, 2150 or 2250
- MATH 2120 or PSYC 2440
- 4 hours additional MATH at 2000 level or above; MATH 2010 highly recommended

*BIOL 2230, 3800, and 4700 do not apply toward the major.*

### BIOLOGY MINOR (16 hrs.)

- BIOL 2210, 2220
- 8 hours from BIOL courses numbered 2230 and above

*BIOL 3800 and 4700 do not apply toward the minor.*

## BIOCHEMISTRY

The biochemistry major is an interdisciplinary major that applies the principles and methods of both biology and chemistry to understanding the molecular basis of life. The major requires a number of basic classes from each discipline with advanced courses in chemical instrumentation, cell and molecular biology, genetics, and biochemistry, and allows the student to select additional courses necessary to pursue certain career objectives. Students considering a biochemistry major should begin their study with CHEM 2110 and BIOL 2210.

### BIOCHEMISTRY MAJOR (56 hrs.)

- CHEM 2110, 2120, 2210, 2220, 3100, 4510, 4520
- BIOL/CHEM 4210
- BIOL/CHEM 4220
- BIOL/CHEM/PHYS 4910, 4920
- BIOL 2210, 2220, 2240, 4050, 4310
- Elective hours from CHEM 3140, 4090, 4110; BIOL 3030, 4120

*It is suggested that students pursuing pre-medicine should elect BIOL 3030, 4120.*

*They should also take PHYS 2140, 2150 or MATH 2010, 2020, PHYS 2240, 2250.*

*It is suggested that students pursuing graduate school should elect CHEM 3140, 4090, 4110; BIOL 3030. They should also take MATH 2010, 2020, PHYS 2240, 2250.*

*It is suggested students pursuing an industry career should elect CHEM 3140.*

## BIOCHEMISTRY MAJOR, BACHELOR OF SCIENCE (76 hrs.)

- CHEM 2110, 2120, 2210, 2220, 3100, 4110, 4510, 4520
- BIOL 2210, 2220, 2240, 3030, 4050, 4310
- BIOL/CHEM 4210
- BIOL/CHEM 4220
- BIOL/CHEM/PHYS 4910, 4920
- PHYS 2140 or 2240
- PHYS 2150 or 2250
- MATH 2010
- MATH 2120 or PSYC 2240

## BIOLOGY TEACHING TRACK

Students who wish to pursue a career in teaching should complete the Biology BA degree following the three-year plan. After graduation with their BA, students will complete the one year Anderson University Transition to Teaching program. By obtaining a degree in Biology students will have the expertise required to teach high school biology. The last year in the Transition to Teaching program will provide students the training and credentials required for high school educators.

## BIOL Courses

- 1000 Principles of Modern Biology** **4 hrs. (3, 2)**  
Fundamental ideas in the science of biology, including molecules, cells, genetics, ecology, the diversity of life, and the human body. **OFFERED:** Sem. I; Summer.
- 2010 Medical Terminology** **2 hrs. (2, 0)**  
The objective of this course is to make students familiar with the common root words, prefixes, and suffixes of terms used in the medical fields. The material to be covered includes anatomical, procedural, diagnostic, disease, and pharmacology terms. **OFFERED:** Sem. I, II.
- 2040 Personal and Community Health** **3 hrs. (3, 0)**  
Health problems of individual, home, school, and community. Covers nutrition, child growth, personality development, home living, and the human body. Includes application of exercise to the maintenance of individual and community health. **SAME AS:** PUBH 2040. **OFFERED:** Sem. I.
- 2070 Humans and the Environment** **4 hrs. (3, 2)**  
Students are exposed to basic concepts of ecology and to select environmental issues. They are encouraged to engage in vigorous discussion and to think critically about our impact on the environment. The perspective of Christian environmental stewardship is emphasized throughout the course. **OFFERED:** Sem. II, 2021-22.
- 2080 Flora of Indiana** **4 hrs. (3, 2)**  
Taxonomic study (identification, classification, and nomenclature) of flowering plants of Indiana. **OFFERED:** Summer.
- 2210 Foundations of Modern Biology I** **4 hrs. (3, 2)**  
Basic principles of cell structure and function, genetics, evolution, biodiversity, and ecology using animal and human models. Through these themes, the student becomes familiar with major animal groups, their salient characteristics, environmental interactions, and postulated evolutionary relationships. **OFFERED:** Sem. I.
- 2220 Foundations of Modern Biology II** **4 hrs. (3, 2)**  
Concepts of cell structure and function, cell metabolism, genetics, organismal structure and function, and principles of ecology using plant models. Through these themes, the student becomes familiar with major plant groups, their salient characteristics, environmental interactions, and postulated evolutionary relationships. **PREREQUISITE:** BIOL 2210. **OFFERED:** Sem. II.

## BIOL (cont.)

- 2230 Microbes and Disease** 4 hrs. (3, 2)  
Introduction to the science of microbiology using clinical microbiology as a model. Some emphasis is given to general areas such as microbial classification, genetics, physiology, and ecology, with concentration on subjects related to disease-microorganism relationships: classification, culture and identification of pathogenic organisms, control processes (antisepsis, disinfection, antibiotics), infection patterns, control of disease, and elementary immunology. **PREREQUISITE:** BIOL 2220 or 2420. **OFFERED:** Sem. I.
- 2240 Cell Biology** 4 hrs. (3, 3)  
This course is an introduction to fundamental concepts of cellular and molecular biology. Integrated lab and classroom curriculum introduces the student to the subject in four parts: 1) fundamentals of biochemistry, 2) the flow of genetic information in the cell, 3) cellular anatomy and physiology, and 4) cell regulation. **PREREQUISITE:** BIOL 2220. **OFFERED:** Sem. II.
- 2310 Field Biology in Spring** 4 hrs. (4, 0)  
Springtime plants and animals, their field identification, field biology, behavior and landscape context, with a focus on spring flora, amphibia, and birds. Focuses on observation and sounds of life in the field occurring between the end of the spring college semester and the end of spring high school semester to provide prospective teachers and naturalists with an opportunity to investigate the natural history of this time of year. **OFFERED:** At Au Sable Institute.
- 2410 Human Anatomy and Physiology I** 4 hrs. (3, 2)  
Topics will include cell form and function and organization of human cells into tissues, organs, and organ systems. This course will emphasize skeletal tissues, muscles, and the nervous and endocrine systems. Emphasis will be given to pathological conditions that alter the normal functions of these organ systems and how these alterations affect the organism as a whole. The lecture and laboratory experiences will emphasize how the structure and function of each topic is interrelated (that function follows form). **OFFERED:** Sem. I.
- 2420 Human Anatomy and Physiology II** 4 hrs. (3, 2)  
Topics will include cell form and function as well as the human digestive, cardiovascular, respiratory, urinary, and reproductive systems. Emphasis will be given to pathological conditions that alter the normal functions of these organ systems and how these alterations affect the organism as a whole. The lecture and laboratory experiences will emphasize how the structure and function of each topic is interrelated (that function follows form). **PREREQUISITE:** BIOL 2410 or CHEM 1000. **OFFERED:** Sem. II.
- 2700 Science Teaching Methods I** 3 hrs. (2, 1)  
This course involves the learning and application of the methods of teaching science. In addition to some lecture and classroom discussion, students complete a practicum experience with a master teacher in a public or private school setting. Topics covered and jointly pursued by AU faculty and the master teacher include learning theories, classroom management, inquiry-based teaching, history of science, special/gifted education, and an introduction to rubrics/grading/assessment. Emphasizes the key roles that a teacher's caring attitude and ability to engage students have in a successful learning environment. **SAME AS:** CHEM/PHYS 2700. **OFFERED:** Sem. I.
- 3030 Microbiology** 4 hrs. (3, 4)  
Introduction to microbiology using a study of various microbes. Biochemical, genetic, and ecological aspects of Archaea, prokaryotes, viruses, fungi, and protozoans will be covered. One unit will cover human pathology and immunology. **PREREQUISITE:** BIOL 2220. **OFFERED:** Sem. I.
- 3050 Advanced Topics in Microbiology** 2 hrs. (2, 0-3)  
Topics important to the understanding and practice of microbiology will be covered in a seminar/laboratory format customized to the topic being discussed. Includes latest developments in the topic areas of immunology, virology, and mycology. May be repeated under a different topic. **PREREQUISITE:** BIOL 3030. **OFFERED:** With sufficient demand.
- 3080 Animal Ecology** 4 hrs. (4, 0)  
Interrelationships between animals and their biotic and physical environments, emphasizing animal population dynamics in old growth pine forests and bogs. This field-intensive course centers on the ecology of northern Michigan fauna from a stewardship perspective. Included are individual student projects. **PREREQUISITE:** BIOL 2220. **OFFERED:** At Au Sable Institute.

## BIOL (cont.)

- 3170 Comparative Vertebrate Anatomy** 5 hrs. (3, 4)  
Lecture emphasizes major themes of vertebrate structure, function, and development, such as the vertebrate transition to land, adaptations for terrestrial life, the evolutionary relationship between birds and theropod dinosaurs, and the evolution of flight. Laboratory emphasizes comparative morphology of representative chordate types. **PREREQUISITE:** BIOL 2220. **OFFERED:** With sufficient demand.
- 3270 Human Gross Anatomy and Histology** 5 hrs. (3, 4)  
Detailed study of gross anatomy, microscopic and ultramicroscopic structures of tissues and organs of the human body. Laboratory emphasizes examination of the gross to microscopic structure through various techniques. Relationship of structure and function emphasized. **PREREQUISITE:** BIOL 3030. **OFFERED:** Sem. II, 2021-2022.
- 3310 Entomology** 4 hrs. (3, 2)  
Study of insects, with an emphasis upon their identification and role in the environment. **PREREQUISITE:** BIOL 2220. **OFFERED:** With sufficient demand.
- 3420 Fish Biology and Ecology** 4 hrs. (3, 2)  
Covers in detail the systematics, evolution, and anatomy of fishes. Students will be exposed to selected topics in fish physiology, ecology, and behavior. Fishery issues will be touched upon as time permits. The lab component includes identification and classification of fishes using specimens from the university's collections, as well as comparative dissections of sharks and representative teleosts. **PREREQUISITE:** BIOL 2220. **OFFERED:** With sufficient demand.
- 3510 Bioethics** 2 hrs. (2, 0)  
Seminar course examines ethical questions that arise in the relationships among life sciences, biotechnology, medicine, politics, law, philosophy, and theology. Topics and case studies are selected and discussed in terms of the ethical issues they present. These issues include beginning of life, death and dying, human and animal testing, and environmental stewardship. This course applies to the Civil Discourse & Critical Reasoning component of the Liberal Arts. **PREREQUISITE:** Junior standing. **SAME AS:** PUBH 3510. **OFFERED:** Sem. I.
- 3800 Internship in Science Education** 1-4 hrs. (0, 1-4)  
This internship is an opportunity to broaden the diversity of a student's experience in educational settings. Internships are arranged in environments not typically experienced by the student. Tri-S and other international experiences may be appropriate, as well as experiences in large inner-city schools or small rural schools. **EXPECTATION:** BIOL/CHEM/PHYS 2700 completed or taken concurrently. **SAME AS:** CHEM/PHYS 3800.
- 3920 Integration of Faith and Science** 2 hrs. (2, 0)  
Seminar course featuring reading and discussion on topics common to science and Christianity. Topics include origins issues, natural law, environmental stewardship, and the nature of the soul. **OFFERED:** Sem. II, 2021-22.
- 4050 Genetics** 4 hrs. (4, 2)  
Study of the principles of genetics, including Mendelian, molecular, microbial, developmental, and behavioral genetics, as well as cytogenetics and genomics. Laboratory experiences range from classical to molecular procedures and concepts. This course applies to the liberal arts writing-intensive requirement. **PREREQUISITE:** BIOL 2240. **OFFERED:** Sem. I.
- 4070 Ecology and Evolutionary Biology** 4 hrs. (3, 2)  
This course will cover essential concepts and principles in ecology and evolutionary biology, including natural selection, genetic drift, speciation, energy flow, nutrient cycling, and physiological and community ecology. This class has four main goals: the first is to provide an overview of the current status of the science of ecology; the second is to provide some exposure to current environmental concerns; the third is to engage in thoughtful, informed discussion of some of the controversies in modern ecology, and the fourth is to expose students to some field methods. **PREREQUISITE:** BIOL 4050. **OFFERED:** Sem. I.
- 4120 Mammalian Physiology** 4 hrs. (3, 3)  
Study of function and interrelationships of various tissues, organs, and organ systems, with emphasis on homeostatic mechanisms. **PREREQUISITE:** BIOL 2240. **OFFERED:** Sem. I, 2021-22.

**BIOL (cont.)**

- 4210 Biochemistry I** **4 hrs. (3, 3)**  
Introduction to fundamental principles of biochemistry. Lectures and project-oriented laboratories emphasize concepts of macromolecular structure, aspects of enzymology, and intermediary metabolism. **PREREQUISITE:** BIOL 2240, CHEM 2220. **SAME AS:** CHEM 4210. **OFFERED:** Sem. I, 2021-22.
- 4220 Biochemistry II** **4 hrs. (3, 2)**  
Further discussion of particular metabolic pathways in animals and plants with an overall emphasis on control of metabolism and regulation of pathways. **PREREQUISITE:** BIOL/CHEM 4210. **SAME AS:** CHEM 4220. **OFFERED:** Sem. II, 2021-22.
- 4310 Molecular Biochemistry and Genetics** **4 hrs. (3, 4)**  
Emphasizes molecular and biotechnology aspects of the fields of biochemistry and genetics. This is a laboratory-intensive course on techniques involved in biotechnology for the cloning and investigation of gene function. It is designed to train students in the types of techniques used in the current biotechnology industry. **EXPECTATION:** BIOL/CHEM 4210 strongly recommended. **PREREQUISITE:** BIOL 4050. **PREREQUISITE or COREQUISITE:** CHEM 2220. **OFFERED:** Sem. II, 2022-23.
- 4650 Independent Study** **1-4 hrs. (arranged)**  
Independently executed investigations, normally by students with upper-division standing. **REPEAT:** May be repeated. Credit not to exceed 12 hours.
- 4910 Science Seminar I** **1 hr. (1, 0)**  
Techniques and practice of written and oral technical communication with respect to experimental or library research projects. Required of all science majors. Both BIOL 4910 and 4920 must be completed to receive advanced writing competency (writing-intensive) and speaking-intensive credit. **PREREQUISITE:** Science major. **SAME AS:** CHEM/PHYS 4910. **OFFERED:** Sem. I.
- 4920 Science Seminar II** **1 hr. (1, 0)**  
Techniques and practice of written and oral technical communication with respect to experimental or library research projects. Required of all science majors. Both BIOL 4910 and 4920 must be completed to receive advanced writing competency (writing-intensive) and speaking-intensive credit. **EXPECTATION:** 4910 Science Seminar I should be completed. **PREREQUISITE:** Science major. **SAME AS:** CHEM/PHYS 4920. **OFFERED:** Sem. II.

# BUSINESS

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*Dr. Collette, dean; Dr. Dulaney, Dr. Fox, Dr. Hochstetler, Dr. Leeper, Dr. Lucas, Prof. Newton, Dr. Peddicord, Dr. Pianki, Prof. Shaw, Dr. Shin, Dr. Sylvester, Prof. Tijerina.*

The mission of the Falls School of Business is to create an environment that will enable and encourage our graduates to be:

- professionally competent through understanding the knowledge base of their discipline and possessing the ability to apply analytical and problem-solving skills to organizational problems,
- ethically sensitive, and
- informed by the Christian ideal of servanthood.

This mission is realized through a commitment to teaching excellence and genuine concern for each individual student and is supported by a faculty commitment to continuous professional development and service to the community.

The Falls School of Business is fully accredited by the Accreditation Council for Business Schools and Programs (ACBSP). The Falls School of Business offers Bachelor of Arts, Bachelor of Science, Master of Business Administration, and Doctor of Business Administration programs.

The Falls School of Business offers stand-alone majors and concentrations in:

- **Accounting with a concentration in CPA preparation and an optional concentration in:**
  - Certified Management Accountant (CMA) preparation
- **Engineering Management with concentrations in:**
  - Management
  - Sales and Marketing
- **Finance**
- **Global Business with concentrations in:**
  - Accounting
  - Economics
  - Finance
  - Management
  - Marketing
- **Management**
- **Marketing with concentrations in:**
  - Social Media
  - Marketing Strategy and Tactics
  - Integrated Branding and Promotion
  - Global Marketing
  - Music Business
- **Music and Entertainment Business**
- **Sport Marketing**

A complementary major in Business Administration is offered to students with a primary major outside the Falls School of Business.

A wide selection of minors is available to all students, whether their major is inside or outside of the Falls School of Business:

- Accounting
- Economics
- Entertainment and Music Business
- Entrepreneurship
- Finance
- Global Business
- Management
- Marketing
- Social Media
- Sport Marketing

### **BUSINESS CORE (43-44 hrs.)**

The following core classes are required of all accounting, finance, global business, management, marketing, and sport marketing majors:

- ACCT 2010, 2020
- ECON 2010, 2020
- BSNS 1050, 2310, 2450, 2510, 2710, 2810
- BSNS 3270, 3420, 4500, 4910
- MATH 1300, 1400, or 2010

### **ACCOUNTING**

The accounting major is designed to provide a knowledge base in both financial and managerial accounting. Accounting courses expose the student to a broad perspective of accounting needed for management responsibility within a company, in the field of public accounting, and for studies in a graduate program.

The major provides coursework that helps prepare students for the Certified Public Accountant (CPA) exam. Indiana and most states require individuals to have completed a minimum of 150 hours of college credit to be eligible to take the CPA exam. Accounting majors who plan to enter the public accounting field are strongly encouraged to complete at least 150 hours before they complete their college education. Students wanting to take the Certified Management Accountant (CMA) exam can take the optional CMA concentration.

#### **ACCOUNTING MAJOR (68 hrs.)**

Accounting with CPA preparation

- 43-hour business core
- 25-hour accounting core: ACCT 3010, 3020, 3110, 3500, 4020, 4050, 4100, 4310, 4900
- ACCT 4850 is strongly recommended for students preparing for the CPA exam.

Optional Concentration in Accounting:

CMA preparation

- BSNS 3240, 3350, 4150
- Recommended: ACCT 4860

#### **ACCOUNTING MINOR (15 hrs.)**

- 15 hours from ACCT courses

### **BUSINESS ADMINISTRATION**

Courses in business administration are designed to provide general understanding of the operation of organizations, preparation for careers in administration in business and various other kinds of societal organizations, and preparation for graduate study.

## MAJORS

### ENGINEERING MANAGEMENT MAJOR (63-65 hrs.)

- One course from MATH 1300, 1400, 2010
- BSNS 2450 or MATH 2120
- PHYS 2140 or PHYS 2240
- ENGR 2130 or CPSC 2040
- ECON 2010 or ECON 2020
- ENGR 2001, 2002, 2003, 2060, 2090
- BSNS 1100, 2710, 2810, 4500, 4910
- ACCT 2010
- PSYC 2100
- Select one of the following concentrations:
  - Management
    - BSNS 3240, 3270, 3510, 4010, 4050, 4480
  - Sales and Marketing
    - BSNS 3210, 3220, 3510, 3550, 4110, 4330, 4440

### FINANCE MAJOR (61 hrs.)

- 43-hour business core
- BSNS 3150, 3350, 4150, 4160; ECON 3410
- 3 hours from BSNS 3850, BSNS 4240, BSNS 4320, BSNS 4800, ACCT 4020

### GLOBAL BUSINESS MAJOR (65 hrs.)

- 43-hour business core
- BSNS 3120, 4120
- 3 hours from ACCT, BSNS, or ECON courses listed in the catalog
- Select one of the following concentrations:
  - Accounting
    - 1 course from SPAN 2010, FREN 2010, GERM 2010
    - 3 courses from ACCT 3010, 3020, 3110, 4310
  - Economics
    - 1 course from SPAN 2010, FREN 2010, GERM 2010
    - ECON 3020, 3110, 3410
  - Finance
    - 1 course from SPAN 2010, FREN 2010, GERM 2010
    - BSNS 3350, 4150; ECON 3410
  - Management
    - 1 course from SPAN 2010, FREN 2010, GERM 2010
    - BSNS 3230, 3240, 4480
  - Marketing
    - 1 course from SPAN 2010, FREN 2010, GERM 2010
    - BSNS 4250
    - 2 courses from BSNS 3220, 3510, 4110, 4330
  - International Business Institute (IBI) Program
    - ECON 3250
    - BSNS 4170, 4250 and 4450

#### MANAGEMENT MAJOR (63 hrs.)

- 43-hour business core
- BSNS 3120, 3230, 4010, 4480; 3850 or 4800
- 6 hours from BSNS 3100, 3240, 3510, 4050, 4120, 4240, 4310

#### MARKETING MAJOR (61 hrs.)

- 43-hour business core
- BSNS 3220, 4110, 4330
- Completion of one of the following concentrations (9 hrs.):
  - Marketing Strategy and Tactics
    - BSNS 3210, 3510, 3550
  - Social Media
    - BSNS 3400, 4400
    - 3 hours from BSNS 3510, 3550, 4240\*\*, 4310, 4800
  - Integrated Branding and Promotion
    - BSNS 3550, 4550
    - 3 hours from BSNS 3210, 3400, 4240\*\*, 4400, 4800; COMM 2240, 3240
  - Global Marketing
    - BSNS 3120, 4250
    - 3 hours from BSNS 4120 or INCS 3850\*
- or
- IBI Program
- Music Business
  - BSNS 3360, 3330
  - 3 hours from BSNS 3270, 3550, 4400, 4550

#### MUSIC AND ENTERTAINMENT BUSINESS MAJOR (53 hrs.)

##### Core Courses (22 hrs.)

- MUBS 2010, 2020, 3100
- BSNS 2710, 3320, 3330, 3360
- 4 hours from MUBS 4800/BSNS 4810 and MUBS 4900 (at least one hour of each)

##### *Select one of the following tracks:*

##### Commercial Music Track (31 hrs.)

- MUSC 1010, 1020, 1030, 1040, 2210
- MUPF 1050
- 4 hours of applied music lessons
- 4 hours of music ensembles
- 10 hours from MUSC, MUBS, MUED, MUPF, MUTR

##### Entertainment Business Track (31 hrs.)

- BSNS 2310, 2450, 2510, 3270, 3550, 4400, 4500, 4550
- ACCT 2010
- ECON 2010

#### SPORT MARKETING MAJOR (66-67 hrs.)

- 43-hour business core
- Required:
  - BSNS 3210, 3220
  - BSNS 4110, 4330
- Sport Marketing:
  - BSNS 3130, 4360, 4560, 4800

## BUSINESS ADMINISTRATION COMPLEMENTARY MAJOR (43 hrs.)

- 43-hour business core
- Available as a complementary major only. The student's primary major must be outside the Falls School of Business.

## MINORS

### ENTREPRENEURSHIP MINOR

For majors in the Falls School of Business, 18 hours from:

- BSNS 3360
- 3 hours from BSNS 3100, 3210, 4310
- 3 hours from 3850, 4800
- 9 hours from ACCT 3110, ACCT 4020, BSNS 4110, BSNS 4400, BSNS 3220, BSNS 3350, BSNS 3150, BSNS 4240, BSNS 4360, CPSC 1200, COMM 2200, COMM 2240, COMM 3250, PSYC 2000, SOCI 2000

For majors outside the Falls School of Business, 15 hours from:

- 9 hours from ACCT 2010, BSNS 2710, BSNS 2810, BSNS 3360
- 3 hours from BSNS 3100, 4320, 3210
- BSNS 3850 or BSNS 4800

### FINANCE MINOR

For majors in or outside the Falls School of Business, 18 hours from:

- ACCT 2010; BSNS 2510, 3350, 4150; ECON 3410
- 3 hours from: BSNS 3150, 3850, 4160, 4240\*\*, 4800

### GLOBAL BUSINESS MINOR

For majors outside the Falls School of Business, 18 hours from:

- BSNS 2710, 2810, 3120, 4120, 4250
- 6 hours from ECON 2010 or INCS 3850

For majors in the Falls School of Business, 15 hours from one of the following options:

#### Option 1:

- IBI program of 12 hours
- 3 from either BSNS 3120 or 4120

#### Option 2:

- BSNS 3120, 4120, 4250
- 6 hours from ECON 3210; HIST 3240, 3360, 3370, POSC 3300, 3400; INSC 3850

### MANAGEMENT MINOR

For majors in the Falls School of Business, 15 hours from:

- BSNS and ECON courses listed for the management major (excluding core courses)

For majors outside the Falls School of Business, 17-18 hours from:

- BSNS 2710
- 5-6 hours from additional courses in the business core
- 9 hours from BSNS courses listed for the management major (excluding core courses)

## MARKETING MINOR

For majors in the Falls School of Business, 15 hours from:

- BSNS 3210, 4110, 4330
- 6 hours from courses listed for the marketing major (at least 3 hours must be from BSNS 3220, 3510, 3550, 4550, 4240\*\*, 4250, 4440, 4800)

For majors outside the Falls School of Business, 17-18 hours from:

- BSNS 2810
- 5-6 hours from additional courses in the business core
- 9 hours from BSNS courses in the marketing major

## ENTERTAINMENT AND MUSIC BUSINESS MINOR

For majors in the Falls School of Business, 15 hours from:

- BSNS 3330, 3360, 4330; MUBS 2010, 2020

For majors outside the Falls School of Business, 18 hours from:

- BSNS 3330, 3360; MUBS 2010, 2020
- Two additional courses from the business core, 6 hours from ACCT 2010; BSNS 2710, 3270, 3550, 4400, 4550; ECON 2010

## SOCIAL MEDIA MINOR

For majors in the Falls School of Business, 15 hours from:

- BSNS 3400, 4310, 4400
- 6 hours from BSNS 3240, 3510, 3850\*\*\*, 4800\*\*\*

For majors outside the Falls School of Business, 18 hours from:

- ACCT 2010; BSNS 2710, 2810, 3400, 4310, 4400

## SPORT MARKETING MINOR

For majors in the Falls School of Business (18 hours):

- 12 hours from BSNS 3210, 3130, 4360, 4560
- 6 hours from BSNS 3220, 3550, 4400, 4550, 4800

For majors outside the Falls School of Business (18 hours):

- BSNS 2810
- 12 hours from BSNS courses in the sport marketing major
- 3 hours from additional courses in the business core

## ECONOMICS MINOR (18 hrs.)

- ECON 2010, 2020, 3020, 3410
- 6 hours from ECON 3110, 3210, 3850\*\*\*, 4020; BSNS 4240\*\*; POSC 2200

## INTERNATIONAL BUSINESS INSTITUTE PROGRAM

The International Business Institute (IBI) Program is a 10-week, 12-credit-hour academic summer program that allows business students to incorporate a distinctive international experience into their field of study. The IBI program facilitates personal interaction with business leaders from top multinational corporations. Visits with industry leaders and top policymakers have included Daimler Benz, Nestlé, the Bank of England, and the British Parliament. Travel has included visits to England, Russia, Western and Eastern Europe, and Scandinavia. Acceptance into the program is on a competitive basis. Students should apply early in the fall semester of their junior year. The program is normally completed the summer between the student's junior and senior years. For additional information, visit [ibi-program.org](http://ibi-program.org) or contact the Falls School of Business.

The IBI Program may be taken to satisfy some requirements for the global business major, the global business minor, the global business concentration in the management major, or the global marketing concentration in the marketing major.

The IBI Program courses are ECON 3250; BSNS 4170, 4250, 4450.

*\*\* When taken to fulfill a requirement for a major, BSNS 4240 must have the prior approval of the student's advisor. When taken to fulfill a minor requirement, the course must have the approval of the dean of the Falls School of Business.*

*\*\*\* Practicum or internship must focus on experience related to the student's major or minor and must be approved by the dean of the Falls School of Business.*

## ACCT Courses

- 2010 Principles of Accounting I** **3 hrs. (3, 0)**  
Introduces accounting principles and practice. Covers the accounting cycle, internal control and system design principles, and financial statement preparation and interpretation. **PREREQUISITE:** MATH 1300 or 1400 or 2010. **OFFERED:** Sem. I, II.
- 2020 Principles of Accounting II** **3 hrs. (3, 0)**  
Continues accounting principles and practice with emphasis on the use of accounting information by management and external users. **PREREQUISITE:** ACCT 2010. **OFFERED:** Sem. II.
- 3010 Intermediate Accounting I** **3 hrs. (3, 0)**  
Focuses on financial statements presented to external users and the complexities of financial reporting in today's business environment. **PREREQUISITE:** ACCT 2020; CPSC 1100. **OFFERED:** Sem. I.
- 3020 Intermediate Accounting II** **3 hrs. (3, 0)**  
Continues principles, practices, and theories used to provide financial information to external users. Includes research and communication regarding issues in financial reporting, along with emphasis on the use of spreadsheets. **PREREQUISITE:** ACCT 3010. **OFFERED:** Sem. II.
- 3110 Managerial Accounting** **3 hrs. (3, 0)**  
Focuses on accounting methods that assist an organization with planning and control. Emphasis is placed on decision making. Topics include cost systems, cost allocation, budgeting, and variance analysis. **PREREQUISITE:** ACCT 2020. **OFFERED:** Sem. I.
- 3500 Accounting Information Systems** **3 hrs. (3, 0)**  
Accounting information systems from a business perspective, including the organization and management of electronic information, the design of effective internal controls, system life cycle issues, and financial reporting considerations. The study and use of low- to mid-market accounting systems and their methods for processing information is an integral part of this course. **PREREQUISITE:** Only open to accounting major and minors who have completed ACCT 2020. **COREQUISITE:** ACCT 3010. **OFFERED:** Sem. I.
- 3850 Practicum in Accounting** **1-3 hrs. (arranged)**  
Students work with faculty consultants to plan and execute programs designed to integrate content in accounting in a practical, service-oriented project. Students are responsible for successful implementation of defined projects and reporting results. **REPEAT:** May be repeated. Total credit not to exceed 4 hours. **GRADE:** CR/NC. **OFFERED:** Sem. I, II.
- 3860 Volunteer Income Tax Assistance Practicum** **1 hr. (arranged)**  
This course provides professional preparation and a service-learning opportunity in the preparation of federal and state income tax returns. **REPEAT:** May be repeated. **GRADE:** CR/NC. **OFFERED:** Sem. II.
- 4020 Federal Income Tax** **3 hrs. (3, 0)**  
Examines Internal Revenue Code and Treasury regulations with respect to taxation of individuals. Includes emphasis on tax research, planning, and compliance. **PREREQUISITE:** ACCT 2020. **OFFERED:** Sem. II.

## ACCT (cont.)

- 4050 Advanced Federal Income Taxation** **3 hrs. (3, 0)**  
Federal income taxation of corporations, partnerships, and estates and trusts. Students will develop and enhance tax research skills. **PREREQUISITE:** ACCT 2020. **OFFERED:** Sem. I.
- 4100 Advanced Financial Accounting** **3 hrs. (3, 0)**  
Advanced accounting issues related to business combinations, consolidated financial statements, intercompany transactions, multinational accounting, segment and interim reporting, partnership accounting, and government/not-for-profit accounting. **PREREQUISITE:** ACCT 2020. **OFFERED:** Sem. II.
- 4310 Auditing** **3 hrs. (3, 0)**  
Examines standards and procedures of auditing accounting information and statements, internal control, verification of balance sheets and operating accounts, and responsibilities of the auditor. Includes research and communication on issues related to auditing, professional ethics, and the CPA profession. **PREREQUISITE:** ACCT 3020. **OFFERED:** Sem. I.
- 4800 Accounting Internship** **1-6 hrs. (arranged)**  
With the approval of the Falls School of Business faculty and a cooperating business enterprise, students study under supervision of experienced, practicing professionals. May be repeated up to 6 hours. **CONSENT:** Instructor. **PREREQUISITE:** Junior standing and ACCT 3010. **GRADE:** CR/NC. **OFFERED:** Sem. I, II; Summer.
- 4850 Practicum in CPA Exam Preparation** **1-4 hrs. (arranged)**  
Preparation in study for the CPA exam. One credit per section of the Uniform CPA Examination. **PREREQUISITE:** Senior standing. **GRADE:** CR/NC. **OFFERED:** Sem. I, II.
- 4860 Practicum in CMA Exam Preparation** **1-2 hrs. (arranged)**  
Preparation in study for the CMA exam. One credit per section of the CMA Examination. **PREREQUISITE:** Senior standing. **GRADE:** CR/NC. **OFFERED:** Sem. I, II.
- 4900 Professional Ethics for Accountants** **1 hr. (1, 0)**  
A study of ethics for the accounting profession, with attention both to law and personal choice. This course applies to the liberal arts writing-intensive requirement. **PREREQUISITE:** Senior standing. **OFFERED:** Sem. I.

## BSNS Courses

- 1050 Business as a Profession** **2 hrs. (2, 0)**  
This course is the entry course for Falls School of Business majors. The course examines the multiple roles and responsibilities of business organizations in a capitalistic democracy, introduces the various functions of business, and explores the implications of viewing business as a calling and/or vocation. **OFFERED:** Sem. I, II.
- 2310 Business Analytics** **3 hrs. (3,0)**  
This course provides an introduction in business-based problem-solving using computer applications. The core topics include spreadsheet modeling and data analysis using visualization techniques. Spreadsheet applications will emphasize formulas and functions and data visualization will focus on tools and analysis. The course will use business problems and issues to provide students with hands-on experience in data visualization and spreadsheet calculations. Course will introduce students to design principles for creating meaningful displays of quantitative and qualitative data to facilitate managerial decision making. **OFFERED:** Sem I, II.
- 2450 Data Analysis and Decision Making for Business** **3 hrs. (3, 0)**  
This course is designed to provide students with a basic understanding of introductory statistics and econometrics in a business context and to equip them with the knowledge and skills to quantitatively analyze and interpret data using data analysis software in business decision making. Major topics covered in this course include descriptive and inferential statistics, probability distributions, sample distributions, estimation, hypothesis testing, regression analysis, and time-series forecasting. **OFFERED:** Sem. I, II.

**BSNS (cont.)**

- 2510 Principles of Finance** 3 hrs. (3, 0)  
Provides overview of the financial management of the business enterprise, with emphasis on ways financial managers create value. Decision-making skills relying on discounted cash-flow techniques, capital budgeting, and the fundamentals of security pricing are presented. **PREREQUISITE:** ACCT 2010. **OFFERED:** Sem. I, II.
- 2710 Principles of Management** 3 hrs. (3, 0)  
Managerial principles and problems of conducting a business enterprise. Topics include management philosophy, objectives, functions performed by management, and the significance of management in relation to other activities. **OFFERED:** Sem. I, II.
- 2810 Principles of Marketing** 3 hrs. (3, 0)  
Studies ways organizations of all sizes and types (including nonprofit) go about finding, getting, and keeping customers. Deals with understanding customers' needs, hopes, wants, dreams, habits, and motivations. Examines ways organizations try to meet those needs and wants through their marketing mix strategies while operating within a dynamic, competitive, and increasingly global environment. **OFFERED:** Sem. I, II.
- 3100 Opportunity Identification and Feasibility** 3 hrs. (3, 0)  
Focuses on developing ideas for new businesses. Utilizes group exercises and case studies to help students determine which ideas might result in feasible businesses. Students select a business idea, then write a feasibility plan, a first step in developing a detailed business plan. This plan will determine if the idea has profit potential. **OFFERED:** Sem. II.
- 3120 Global Business** 3 hrs. (3, 0)  
The importance of thinking globally and understanding the legal, technological, and economic differences that affect business practice are explored through readings and projects. The focus is on the global changes impacting national sovereignty, regionalization, and the balance of economic and political power. **OFFERED:** Sem. I, II.
- 3130 Sport Marketing** 3 hrs. (3, 0)  
The sport industry has become one of the most important and influential institutions in our society. This course provides students the opportunity to study and experience the application of marketing principles and processes in the sport industry. The course emphasizes experiential learning with a focus on selling the sports/entertainment experience. **PREREQUISITE:** BSNS 2810. **OFFERED:** Sem. I.
- 3150 Financial Planning** 3 hrs. (3, 0)  
Study of money management and comprehensive financial-planning skills for immediate and long-range goals of individuals and families. Areas of study include values identification, career planning, consumerism, tax strategies, investments, retirement, and estate planning. Open to all students. **OFFERED:** Sem. I, II.
- 3210 Buyer/Seller Relations** 3 hrs. (3, 0)  
Emphasis on essential qualities, right mental attitudes, and emotional control, as well as good selling skills necessary to sell self, services, and products. This course applies to the liberal arts speaking-intensive requirement. **PREREQUISITE:** BSNS 2810. **OFFERED:** Sem. I.
- 3220 Consumer Behavior** 3 hrs. (3, 0)  
Develops awareness of various aspects of consumer motivation and behavior. Provides understanding of influences of business and environment and ways each affects consumer purchase decisions. **PREREQUISITE:** BSNS 2810. **OFFERED:** Sem. I.
- 3230 Human Resource Management** 3 hrs. (3, 0)  
Emphasizes human resource policies and practices. Topics include legal aspects of human resources, recruitment and selection, training and development, career planning and management, compensation and benefits, employee relations, discipline, and counseling. **PREREQUISITE:** BSNS 2710. **OFFERED:** Sem. I.
- 3240 Operations Management** 3 hrs. (3, 0)  
Emphasis is on the challenges of operations in all forms of organizations. Topics include process design, layout strategies, location decisions, inventory control, forecasting, human resource and material requirements planning. Utilizing a problem-solving focus as a basis for decision-making is a prime objective. **PREREQUISITE:** BSNS 2710; BSNS 2450 or MATH 2120 or PSYC 2440. **OFFERED:** Sem. II.

**BSNS (cont.)**

- 3270 Project Management** **3 hrs. (3, 0)**  
The purpose of the course is to introduce students to the principles and techniques of project management. Topics will include leadership and management skills such as motivation, communication, team building, project selection and initiation, resource planning, implementation, and project control. Critical issues such as time, cost, and performance parameters will be analyzed from organizational, people, and resource perspectives. Tools such as statement of work, CPM/PERT, work breakdown structure, and linear responsibility chart will be covered. There will be an opportunity to define and plan simulated projects, create work breakdown structures, assign resources, develop schedules, and practice the essential elements of project control through assignments and an experiential project. **PREREQUISITE:** BSNS 2710; BSNS 2450 or MATH 2120 or PSYC 2440.
- 3320 Legal Aspects of the Music Business** **2 hrs. (2, 0)**  
Selected topics in copyright management, music licensing, and publishing contracts. **PREREQUISITE:** MUBS 2010, 2020. **OFFERED:** With sufficient demand.
- 3330 Music Marketing** **3 hrs. (3, 0)**  
In this speaking-intensive course, students will identify the marketing mix tools that are available for a music marketer to use when developing a music brand and affiliate marketing plan. Students will understand the theoretical and practical mechanisms involved in understanding the needs, wants and classifications of music consumption. In addition, students will gain an appreciation of how internal competences and the external environment impact the execution music marketing plans. This course applies to the liberal arts writing and speaking-intensive requirement. **PREREQUISITE:** MUBS 2010, 2020. **OFFERED:** Sem. I.
- 3350 Corporate Finance** **3 hrs. (3, 0)**  
This course studies specific financial cases and the need for ethics in finance within a system of well-established laws and industry regulation. Sample topics could include the cost of capital, capital structure, capital budgeting, dividend policy, financial analysis and forecasting, sales and lending practices, socially responsible investing, insider trading, the ethics of bankruptcy, and hostile takeovers. **PREREQUISITE:** BSNS 2510. **OFFERED:** Sem. II.
- 3360 Beyond Talent: Entrepreneurship** **2 hrs. (2, 0)**  
The course will allow students to take an exploratory journey into the understanding of their own talent and identity management through the research of established music artists/professionals, personal career reflective writing, and the development of a 'Professional Performance' journal, evidencing existing or planned career activities. All of these undertakings will allow the student to better comprehend the importance of networking, marketing, publicity, and promotion of music performance and business professionals. **PREREQUISITE:** Senior students only.
- 3400 eBusiness/eCommerce** **3 hrs. (3, 0)**  
Examines use and integration of digital technologies in the business setting. Focus will be on how technology can enhance the business value chain through knowledge management, customer relationship management, and supply chain management. Also examines eCommerce fundamentals, including the online order process and fulfillment, online service, and related issues. **OFFERED:** Sem. I.
- 3420 Business Law** **3 hrs. (3, 0)**  
The nature and historical development of the U.S. legal system, court structure, and legal procedure. Law of contracts, sales, agency, and corporations. Valuable for non-business majors as well as business majors. **OFFERED:** Sem. I, II.
- 3510 Supply Chain Management** **3 hrs. (3, 0)**  
The study of the issues associated with making goods and services available for use or consumption. Examines activities, organizations, and tools — such as logistics and retailing — involved in delivering the right product to the right place at the right time, quantity, quality, and price. **PREREQUISITE:** BSNS 2810. **OFFERED:** Sem. I.

**BSNS (cont.)**

- 3550 Integrated Branding and Promotion I** **3 hrs. (3, 0)**  
The course gives students the opportunity to explore and experience the various forms of promotion that are part of integrated marketing communications (IMC). Consideration is given to communications theory, as it relates to marketing communications. Students will appreciate how psychology and social identity relates to marketing communications. Finally, students will complete a critical marketing communications assessment of the promotional tools and techniques used in a practical case scenario. **PREREQUISITE:** BSNS 2810. **OFFERED:** Sem. I.
- 3850 Practicum in Business** **1-3 hrs. (arranged)**  
Students work with faculty consultants in planning and executing programs to integrate content in business in a practical, service-oriented project. Students are responsible for reporting results. **REPEAT:** May be repeated. Total credit not to exceed 4 hours. **GRADE:** CR/NC. **OFFERED:** Sem. I, II; Summer.
- 4010 Organizational Behavior and Theory** **3 hrs. (3, 0)**  
Stresses behavior in relation to organizational theories, knowledge, and the application of theories related to individual, group, and organizational performance. Emphasis on understanding the managerial process from a behavioral perspective. **PREREQUISITE:** BSNS 2710. **SAME AS:** PSYC 3220. **OFFERED:** Sem. II.
- 4050 Quality Systems and Control** **3 hrs. (3, 0)**  
The purpose of the course is to develop a foundational level of awareness, the fundamental body of knowledge, and a set of critical skills in order to optimize and/or improve any given processes. Topics include statistical process control (SPC), statistical quality control (SQC), pareto analysis, root cause analysis, flowcharting, affinity sorting, and formalized quality applications such as 6-sigma and lean thinking. Utilizing a problem-solving focus as a basis for decision-making is a prime objective. The course will be taught in a lecture and seminar format. Using text, journal readings, and case studies, the course will offer theoretical foundations, practical application, and an opportunity for self-assessment through experiential project application. **PREREQUISITE:** BSNS 2710; BSNS 2450 or MATH 2120 or PSYC 2440.
- 4110 Marketing Research** **3 hrs. (3, 0)**  
Research methodology and application of research to solve marketing problems. **PREREQUISITE:** BSNS 2810; BSNS 2450 or MATH 2120 or PSYC 2440. **OFFERED:** Sem. I.
- 4120 International Management** **3 hrs. (3, 0)**  
Examines challenges facing managers competing in a global economy. Uses case studies to address ways firms of all sizes become and remain competitive in an international environment, how businesses establish and conduct international transactions, and what managers must know to be effective in the international marketplace. **PREREQUISITE:** BSNS 2710. **OFFERED:** Sem. II.
- 4150 Investments** **3 hrs. (3, 0)**  
Examines the organization and function of securities markets, valuation of securities, relationship of risk to required rates of return, and portfolio construction. This is achieved by focusing on concepts and strategies applicable to individual investors and by using the tools employed by professional portfolio managers. **PREREQUISITE:** BSNS 2510. **OFFERED:** Sem. I.
- 4160 Portfolio Management** **3 hrs. (3, 0)**  
This course will examine diversification, asset allocation, risk management, performance evaluation, and socially responsible investing. Additionally, the course content will be applied with students making specific investment recommendations for the student-managed Raven Investment Fund. **REPEAT:** May be repeated once. **PREREQUISITE:** BSNS 4150. **OFFERED:** Sem. II.
- 4170 International Trade and Finance** **3 hrs. (3, 0)**  
A survey of the analytical and institutional aspects of international trade and finance. The historical and contextual elements are the foundation for the examination of current theoretical and empirical approaches to international economic and financial relations. Major areas of emphasis include international finance, international trade, and regional economic integration. Special attention is also given to the issues of globalization and the problems of economic development. **CONSENT:** Instructor. **OFFERED:** At International Business Institute.

**BSNS (cont.)**

- 4240 Topics in Business and Economics** 3 hrs. (3, 0)  
This course allows for coverage of subjects pertinent and/or current in nature to be explored.  
**PREREQUISITE:** Varies depending on topic. **REPEAT:** May be repeated as long as topic is different.  
**OFFERED:** With sufficient demand.
- 4250 Global Marketing** 3 hrs. (3, 0)  
Elements of an international marketing plan are discussed and developed. These elements include the cultural environment of global markets, assessing global market opportunities through consumer behavior research, global marketing strategies for the international marketing mix, and implementation of a global marketing strategy. Case studies will be used to illustrate theoretical concepts, and students will develop their own international marketing plan for a product or service. **PREREQUISITE:** BSNS 2810.  
**OFFERED:** Sem. I, II; and at the International Business Institute (Summer).
- 4310 Business Plan Development** 3 hrs. (3, 0)  
This course is designed to immerse the student in the dynamics of planning, establishing, and growing a new business. Focuses on the development of a business plan that identifies a market need, evaluates the financial viability of the venture, and organizes the resources to launch the business. This course is taught in a seminar format using both the analysis of cases and the evaluation of business plans.  
**PREREQUISITE:** BSNS 2710, 2810; ACCT 2010. **OFFERED:** Sem. I.
- 4330 Marketing Management** 3 hrs. (3, 0)  
Students learn to identify and explain important concepts of marketing management and apply them to practical situations. Students become acquainted with the roles, responsibilities, and tools of the marketing manager. Students also become familiar with developing marketing plans, feasibility studies, and planning and executing marketing strategies. **PREREQUISITE:** BSNS 2810; senior standing.  
**OFFERED:** Sem. II.
- 4360 Sport Sponsorship and Sales** 3 hrs. (3, 0)  
This course will analyze and develop skills essential to effectively build sales and revenue within a sports business. Specifically designed with a focus on professional selling and communication processes successful in the realm of sports products and services. Topics include presentation methods, persuasion, handling objections, finding solutions, developing relationships, and serving clients and customers. Also included is an examination of corporate sponsorship and its growing presence in non-sports organizations. Emphasis will be placed on effective methods used to plan, price, organize, acquire, implement, measure, and evaluate sponsorships including the development of a corporate sponsorship plan. **PREREQUISITE:** BSNS 2810, 3130. **OFFERED:** Sem. II.
- 4400 Social Media** 3 hrs. (3, 0)  
The course explores current trends in social media marketing. There is a focus on brands that are successfully marketing themselves across social networking platforms and the tools they are using for communication, customer retention, branding, marketing, market research, and interacting with customers and clients. Topics also include privacy and best practices. Students examine the process of engagement and co-creation of content as well as other trends in analytics and platforms. **OFFERED:** Sem. II.
- 4450 Global Business Strategy** 3 hrs. (3, 0)  
This course is intended to integrate field experiences and presentations by guest faculty and practitioners in the area of international business management with reading and academic work that includes recent developments and literature in this field. Students will be expected to prepare analytical reports on the various firms and institutions visited on the field seminar. Major topics covered in this course include the role of the multinational firm in the global economy, international and global business strategy, and cultural adaptation and organizational behavior in the global firm. Ethical values and issues in global management will also be discussed. **CONSENT:** Instructor. **OFFERED:** At International Business Institute.
- 4480 Leadership** 3 hrs. (3, 0)  
To develop knowledge and critical understanding of the main theoretical concepts, current research and approaches to leadership in organizations and at different organizational levels, and to identify those most valuable to management in a modern global and ethical context. This course will lead to an understanding of the social influence processes and dynamics of power and politics in organizations. This course applies to the liberal arts speaking-intensive requirement.  
**PREREQUISITE:** BSNS 2710, junior class standing. **OFFERED:** Sem. I.

## BSNS (cont.)

- 4500 Strategic Management** 3 hrs. (3, 0)  
The study of administrative policy and strategy in organizations. Emphasis is placed on the integration and inter-relationships of functional business areas for the purpose of a broad perspective (accounting, economics, finance, marketing, and management). Students evaluate strategy formulation and decision-making situations from top management perspectives. Through the use of case studies, this course addresses a variety of both organizational structures and sizes. **PREREQUISITE:** BSNS 2710, 2810, 2510; ACCT 2020; senior standing. **OFFERED:** Sem. I, II.
- 4550 Integrated Branding and Promotion II** 3 hrs. (3, 0)  
The course will allow students to carry prior knowledge through regarding their understanding of integrated marketing communications (IMC) to develop a comprehension and appreciation of the strategic planning processes that contribute to the development of an effective marketing communications plan. Consequently, students will gain knowledge about the components of an effective framework for IMC plans. Students will also complete a critical marketing communications plan assessment through a practical case scenario. **PREREQUISITE:** BSNS 3550. **OFFERED:** Sem. II.
- 4560 Business of Game-Day Experience** 3 hrs. (3, 0)  
This course will cover the various aspects in administrative procedures, operational techniques, hospitality, public relations, marketing, and technical services of the fan experience on game days and nights through sponsorship of events. Issues related to both safety, security, and public policy in planning, financing, and operating a sports event will also be addressed. **PREREQUISITE:** BSNS 2810, 3130, 4360. **OFFERED:** Sem. I.
- 4800 Business Internship** 1-4 hrs. (arranged)  
With approval of the Falls School of Business faculty and a cooperating business enterprise, students study under the supervision of experienced executives. **EXPECTATION:** 30 hours completed toward a business major. **CONSENT:** Instructor. **REPEAT:** May be repeated. **GRADE:** CR/NC. **OFFERED:** Sem. I, II; Summer.
- 4810 Internship in Music Business** 1-3 hrs. (arranged)  
In-depth experience in selected areas of the music industry tailored to the ability and needs of individual students. **REPEAT:** May be repeated up to 4 hours. **PREREQUISITE:** MUBS 2010, 2020. **OFFERED:** Sem. I, II.
- 4910 Senior Seminar in Business** 2 hrs. (2, 0)  
This senior capstone course is designed to encourage students to seriously consider their individual responsibilities to the organization and to society. The Christian call to be "salt and light" is explored in an organizational context. This course applies to the liberal arts writing-intensive requirement. **PREREQUISITE:** Senior standing. **OFFERED:** Sem. I, II.

## ECON Courses

- 2010 Principles of Macroeconomics** 3 hrs. (3, 0)  
This course is designed to provide students with a basic understanding of contemporary macroeconomic theories and principles. Emphasis is placed on the analysis of economic growth and fluctuation, macroeconomic indicators, and macroeconomic policies. **PREREQUISITE:** Sophomore standing. **OFFERED:** Sem. I.
- 2020 Principles of Microeconomics** 3 hrs. (3, 0)  
This course is designed to provide students with a basic understanding of contemporary microeconomic theories and principles that explains how market forces determine an equilibrium in a market economy and that examines the choice and behavior of individual economic units, such as consumers and producers. **PREREQUISITE:** Sophomore standing. **OFFERED:** Sem. II.
- 3020 Intermediate Microeconomics** 3 hrs. (3, 0)  
This intermediate-level microeconomics course is designed to provide a deeper understanding of contemporary microeconomics theories and principles and to teach how to use scientific models to understand the microeconomic choices of economic agents. **PREREQUISITE:** ECON 2010, 2020; MATH 1400. **OFFERED:** With sufficient demand.

## ECON (cont.)

- 3110 Public Sector Economics** 3 hrs. (3, 0)  
The course is designed to provide students with a basic understanding of the primary functions of government as a public economic agent collecting resources from its citizens and using the collected resources to improve their welfare. Emphasis is placed on the impact of the government's fiscal and public economic policy on the efficient allocation of resources and the distribution of income in the economy. **PREREQUISITE:** ECON 2010 or ECON 2020. **OFFERED:** Sem. I, 2021-22.
- 3210 International Economics** 3 hrs. (3, 0)  
This course is designed to provide students with a basic understanding of contemporary international economic principles and theories. Emphasis is placed on the analysis of international trade and international finance that deal with how goods, services, factors, and money move across national borders and how they affect national and international economies. **CONSENT:** Instructor. **PREREQUISITE:** ECON 2010 or ECON 2020. **OFFERED:** Sem. I, 2021-22.
- 3250 Comparative Economic Systems** 3 hrs. (3, 0)  
A survey of the major economic systems, including the underlying ideological foundations and institutional arrangements. The major theoretical aspects of various types of systems are covered in terms of political economy and their central organizational features. Special attention is given to changes and developments in the former Soviet Union and Eastern Europe. The European Union is covered in depth, along with the major Asian economies of China and Japan. **CONSENT:** Instructor. **OFFERED:** At International Business Institute.
- 3410 Money, Banking, and Financial Markets** 3 hrs. (3, 0)  
This course is designed to provide students with a basic understanding of banking, the financial system, the role of central banks, and monetary policy from a macroeconomic point of view. Emphasis is placed on the application of macroeconomic principles to understand money, banking, and the financial system. **PREREQUISITE:** ECON 2010 or ECON 2020. **OFFERED:** Sem. II.
- 3850 Practicum in Economics** 1-3 hrs. (arranged)  
Students work with faculty consultants in planning and executing programs to integrate content in economics in a practical, service-oriented project. Students are responsible for successful implementation of defined projects and reporting results. **REPEAT:** May be repeated. Total credit not to exceed 4 hours. **GRADE:** CR/NC. **OFFERED:** With sufficient demand.
- 4020 Topics in Contemporary Economics and Finance** 3 hrs. (3, 0)  
This course allows for the coverage of subjects pertinent and/or current in nature to be explored. **PREREQUISITE:** Varies depending on topic. **REPEAT:** May be repeated as long as topic is different. **OFFERED:** With sufficient demand.

# BUSINESS ADMINISTRATION AND LEADERSHIP

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*Dr. Moran, director*

This degree is an accelerated, cohort-based and online degree program for adults. The Business Administration and Leadership major within the Bachelor of Science degree program prepares adults with no or limited college credit for a professional career in business. Students will develop key business skills as well as discover, understand, and learn to manage their own personal brand.

## **BUSINESS ADMINISTRATION AND LEADERSHIP (39 hrs.)**

- LEAD 3000, 3100, 3200, 3260, 3280, 3300, 3350, 3400, 3500, 3550, 4300, 4550, 4900
- Additional Liberal arts requirements (43 hours)
- Additional Electives (41 hours)

## **LEAD Courses**

- |             |  |                      |
|-------------|--|----------------------|
| <b>1000</b> | <b>Personal and Professional Discovery</b>   | <b>1 hr. (1, 0)</b>  |
|             | This course is designed to increase the student's success in the professional arena by assisting the student in obtaining the emotional intelligence skills necessary to reach his/her potential. Topics in this course include coping with stress, adapting to change, developing interpersonal relationships and intrapersonal skills, and recognizing how emotional intelligence affects personal and professional success and leadership skills. |                      |
| <b>1050</b> | <b>Accounting Fundamentals</b>   | <b>2 hrs. (2, 0)</b> |
|             | This course is a prerequisite class to Managerial Accounting (LEAD 3300) and to Managerial Finance (LEAD 3350). This course offers basic information on financial statements resulting from the accounting processes that are used by owners, investors, and employees. Effective accounting demands an understanding of accounting terms. This class will help students become informed users of accounting information.                            |                      |
| <b>1100</b> | <b>Introduction to Business Environments</b>   | <b>3 hrs. (3, 0)</b> |
|             | An introduction to functional areas of business, tracing the evolution of business forms, the role of government and society, relationships between administrators and employees, ethical issues, and globalization of world markets.  |                      |
| <b>1200</b> | <b>Management Foundations</b>  | <b>3 hrs. (3, 0)</b> |
|             | This course is a study of management as it pertains to the dynamics of leadership, strategic planning, and controlling of resources.   |                      |
| <b>2200</b> | <b>Issues in Human Resource Management</b>   | <b>3 hrs. (3, 0)</b> |
|             | This course will focus upon the primary functions of human resources management, increasing the effectiveness and contributions of employees in the attainment of organizational goals and objectives. Topics include strategic planning, organizational goals, job descriptions and evaluations, human resources selection techniques, and labor/employee relations.  |                      |
| <b>2300</b> | <b>Social Problems and Their Impact on the Workplace</b>   | <b>3 hrs. (3, 0)</b> |
|             | This course presents an analysis of major contemporary social problems, especially in the United States. Particular attention is given to the problems of poverty, racism, sexism, drug and alcohol abuse, and illiteracy, and their impact on contemporary workplace. Consideration is given to diverse sociological perspectives with regard to these problems and their causes, consequences, and solutions.                                      |                      |
| <b>2400</b> | <b>Organization Ethics</b>   | <b>3 hrs. (3, 0)</b> |
|             | This study in business ethics will provide instruction in systematically applying standard moral and ethical approaches in analyzing issues, problems, and cases.  |                      |

**LEAD (cont.)**

- 2410 Global Issues** **3 hrs. (3, 0)**  
This course will help the adult learner acquire knowledge and become aware of the increasing interdependence of the world and the global nature of contemporary issues. This course essentially seeks to help adult learners to think beyond their immediate surroundings and see themselves as part of a larger community.
- 2590 Management Foundations Capstone** **3 hrs. (3, 0)**  
This capstone course in management foundations offers a discussion of selected topics of current issues in management. There will be a written and oral presentation of a management project involving the application of management concepts and principles. **CONSENT:** Departmental permission required.
- 3000 Professional Development and Applied Ethics** **3 hrs. (3, 0)**  
This course introduces students to personal and professional development. The class will be an on-going process by which an individual can begin to strategically identify their distinctive value to self and to others. This course encompasses various theoretical, conceptual and emerging practical frameworks of ethical personal and professional development today, in an effort to develop confident, compassionate, and professional difference-making leaders. Students will discover, develop, define and communicate their unique purpose through their personal and professional brand.
- 3100 Introduction to Information Systems and Analysis of Data** **3 hrs. (3, 0)**  
This course introduces students to information systems and the analysis of data. Contemporary information systems and how they add value at the individual level and at the global, organizational level. Students will focus on the key components of information systems: people, hardware, data, and network technologies. Students will develop a business application using database, spreadsheet, and web development tools.
- 3200 Issues in Management** **3 hrs. (3, 0)**  
Students examine management control functions, strategic planning, and organizational structure and design. Also examined are motivational theory and its application to individual and group functioning in work and home situations. Leadership styles related to particular circumstances are analyzed. Negotiation concepts and skills are covered through reading and class practice, with an analysis of the effect on productivity.
- 3220 Leadership in Non-Profits** **3 hrs. (3, 0)**  
This course is designed to further the professional development of leaders in the non-profit sector. Students will gain a richer understanding of how to integrate organizational mission with economic strategy and the importance of developing a strong network with a diverse array of non-profit leaders. Lastly, learners will form a personal plan of action for leading a non-profit that addresses key organizational and strategic challenges.
- 3240 Culture and Gender in Leadership** **3 hrs. (3, 0)**  
This course is intended to help learners better understand the challenges women face as they obtain and sustain leadership roles within society today. Learners will examine how women have gained access to powerful leadership positions; why men have more access than women; and how, as current and future leaders, both males and females can eliminate barriers within their own areas of influence that discourage access for women in leadership.
- 3260 Conflict Resolution** **3 hrs. (3, 0)**  
This course introduces students to conflict resolution. The class will be an on-going process by which an individual can begin to understand the various types of conflict and comprehend how to attempt to resolve conflict. This course encompasses various theoretical, conceptual and emerging practical frameworks of conflict resolution today. The class is designed to develop confident, compassionate, and professional difference-making leaders. Students will discover, develop, and confidently engage with critical issues related conflict resolution in the context of their own unique identity.
- 3280 Project Management** **3 hrs. (3, 0)**  
This course discusses the factors necessary for successful project management, including concepts, needs identification, project manager, teams, project communications, project planning and scheduling, control and cost performance. Project management software tools will also be utilized as part of the course.

**LEAD (cont.)**

- 3300 Managerial Accounting** **3 hrs. (3, 0)**  
This course presents the financial tools available to the manager in decision-making. It includes a study of income statements, balance sheets, cash flow budgets, changes in financial position, and ratio analysis. Emphasis is on reading and understanding accounting and financial documents rather than on their preparation.
- 3350 Managerial Finance** **3 hrs. (3, 0)**  
This course focuses on the areas of corporate finance needed by adult learners, even if they are not planning a finance career. The study of finance provides a number of tools and reports that aid in determining which long-term investments to make, where the financing will come from, and how to manage collecting from customers and paying suppliers. Capital budgeting, capital structure, and working capital management will be studied in detail.
- 3400 Managerial Economics** **3 hrs. (3, 0)**  
This course is an analysis of the principles of economics necessary to equip managers and supervisors for effective decision-making and leadership. Specific economic concepts will be applied to problem solving in the manager's workplace.
- 3500 Managerial Marketing** **3 hrs. (3, 0)**  
Principles of marketing that need to be understood by managers in all areas in order to develop and utilize effective marketing practices are examined. Concepts of our global economy, including major social, psychological, and political influences, will be explored and their marketing implications considered from a manager's perspective.
- 3510 Buyer Behavior** **3 hrs. (3, 0)**  
Adult learners will be exposed to numerous theories from psychology, sociology, economics, education, and marketing to explain why and how consumers buy the products and services that they do. Buyer behavior will be integrated into the large discipline marketing to illustrate the marketing concept and marketing orientation of putting the customer first.
- 3550 Legal Environments of Business** **3 hrs. (3, 0)**  
This course prepares students to evaluate the legal risks associated with business activity. Students will study topics including the legal system, alternative dispute resolution, the trial process, contracts, tort law, real property, enterprise liability, product liability, international law, business risks, intellectual property, and legal forms of business.
- 3570 Developing a Mentoring Culture** **3 hrs. (3, 0)**  
This course attempts to help individuals within organizations of every type to build a framework that supports and sustains organizational mentoring. Peer mentoring, mentoring forums, and team mentoring are becoming common-place in organizations and today's leader needs to be knowledgeable of the process and reasoning behind it.
- 4000 Group and Organizational Dynamics** **3 hrs. (3, 0)**  
This course is a study of group behavior and how group functioning impacts organization effectiveness, with emphasis on decision-making and conflict resolution. Students develop strategies for efficient and productive group management and determine which tasks are best handled within a group setting.
- 4100 Communicating Within Organizations** **3 hrs. (3, 0)**  
This course investigates the role of communication in creating a productive organizational environment. It aids students in developing and strengthening their communication skills by focusing on interpersonal, group, and presentation skills.
- 4200 A Systems Approach to Organizational Change** **3 hrs. (3, 0)**  
Students examine the formal and informal functions of organizations and analyze an agency or organization based on a systems model. Students will also analyze and solve organizational problems using a step-by-step method. This analysis will be applied to students' work-related research projects.
- 4300 Strategic Planning** **3 hrs. (3, 0)**  
This course introduces students to various management planning models and techniques and applies these to business cases. It stresses the concepts of strategic planning and strategic management.

## LEAD (cont.)

- 4400 Personal Values and Organizational Ethics** **3 hrs. (3, 0)**  
Several major ethical theories are reviewed in this course. Students examine personal values through reading and workplace analysis to formulate management accountability, human rights, and a reasonable lifestyle in the contemporary world.
- 4500 Service Leadership** **3 hrs. (3, 0)**  
This course helps learners implement concepts of Robert Greenleaf's servant leadership as vital in the workplace. An understanding of service leadership empowers leaders as they implement concepts of being a leader who is servant first. Learners will become more competent, capable and compassionate leaders as they learn to help others while leading.
- 4550 Diversity and Intercultural Humility** **3 hrs. (3, 0)**  
This course helps students understand their own values and beliefs and those of others in the context of a larger, complex world. This course encompasses various theoretical, conceptual and emerging practical frameworks of diversity and intercultural understanding. This course is designed to develop leaders who have the ability to understand, engage and integrate people of different backgrounds and worldviews – on many fronts – with a servant leader approach. Students will explore their ability to synthesize their leadership skills in building sustainable organizations that leverage diversity, promote inclusion, and enable productive collaboration in an increasingly cross-cultural context.
- 4900 Seminar in Ethics and Leadership** **3 hrs. (3, 0)**  
This senior capstone course is designed to encourage students to seriously consider their individual responsibilities to the organization and to society. Students will develop a better understanding for their natural leadership style and will be presented strategies to improve their leadership effectiveness. Students should take this class during their final semester.
- 4910 Professional Seminar** **3 hrs. (3, 0)**  
This course helps learners to be professionally ready, whether re-entering the job market or bettering a career. It includes the completion of professional portfolio which will include the learner's professional picture, résumé, letters of recommendation, leadership philosophy, strengths testing results, personal mission statement, and final review of a service project.
- 4990 Action Research Project** **3 hrs. (3, 0)**  
The research project is a major research effort designed to enhance knowledge in an area related to one's work or community, to provide research skills, and to assist in effective decision-making. Statistical analysis concepts and methods assist the student in identifying a problem area, collecting data, proposing a solution and measuring results. Each student gives an oral report of project findings. This course applies to both the liberal arts writing-intensive and speaking-intensive requirements.

# CHRISTIAN MINISTRY

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*Dr. Burnett, chair; Dr. Kirkpatrick, Dr. Lozano, Dr. Majeski, Dr. Overstreet, Dr. Varner, Dr. Willowby*

Questions of truth and destiny confront each generation and are at the root of all human enterprises, necessitating that the very nature of the educational task focus on these basic issues. With a firm commitment to the centrality of the Christian tradition for all such considerations, the Department of Christian Ministry offers coursework and field experiences designed to accomplish the following:

- Develop in all students a familiarity with and appreciation for the biblical foundations of the Christian faith;
- Make available from a Christian perspective a wide range of knowledge concerning the religious experience of humankind;
- Provide the biblical, theological, and pastoral Christian education, field courses, and experiences central to preparing enlightened and committed Christian leaders; and
- Develop students' appreciation for and critical reflection on their own and others' beliefs, practices, and experiences.

Students seeking two or more majors in the department (including complementary majors) must earn a minimum of 15 hours that are unique to each major. Students seeking minors as well as majors in this department must choose a different area of study for the minor and present a minimum of 12 hours not applied to the major.

## **BACHELOR OF ARTS AND MASTER OF DIVINITY 5-YEAR (4+1) DEGREES**

The BA/MDiv 4+1 degree program is designed for undergraduate students who are highly motivated academically and sense an early call to ministry. It is designed to enable the student to complete both the BA and Master of Divinity degrees in a seamless 5-year program between Anderson University undergraduate studies and Seminary preparation. (Traditionally, completing both the BA and MDiv degrees has taken an average of seven years.) Basic requirements for the 5-Year program are:

- Students must complete all requirements for an undergraduate BA degree at Anderson University and all requirements for the MDiv degree from AU Seminary.
- Students must submit the appropriate "change in major" form with the University Registrar so that graduate Seminary courses may be taken by undergraduates and substitute for the appropriate undergraduate courses.
- The MDiv degree may be combined with one of three undergraduate majors in the Department of Christian Ministry: Bible and Religion, Christian Ministries, or Youth Ministries.

For more information and a complete outline of courses, contact the Chairperson of the Department of Christian Ministry, the Dean of the School of Theology and Christian Ministry, or the Anderson University Office of Admissions.

## **BIBLE AND RELIGION**

Courses in this major are drawn from the related areas of theology, Bible, and religion as students explore the biblical sources of Christian religion and its theology, practice, and relation to life and culture. This major is valuable for pre-seminary students and for students who want to pursue graduate studies in Bible or religion, such as a PhD degree.

### **BIBLE AND RELIGION MAJOR (36 hrs.)**

- BIBL 2000, 2050
- RLGN 2000, 2130, 2150, 3040, 3060, 3300, 3320
- 3 upper-division hours from either a BIBL or RLGN course
- 6 hours: one Hebrew Bible exegetical course (3) and one New Testament exegetical course (3)

#### RELIGION MINOR (15 hrs.)

- RLGN 2000, 3060, 3320
- Remaining hours from RLGN-captioned courses not applied to liberal arts requirements.

#### CHRISTIAN MINISTRIES

The Christian ministries major is designed to prepare students to serve as Christian leaders and servants in the world. It offers undergraduate study of ministry which may lead to (1) lay ministry while pursuing another profession; (2) a position of leadership in ministry in a local congregation, a church-related organization, or a related field; or (3) graduate study in ministry. This major is intended to be a first step in a plan of lifelong learning for ministry. Courses in the Christian ministries major include biblical and theological studies as well as ministry courses involving skill development in core ministry tasks, the exploration of various ministry options, and supervised practical experience.

#### CHRISTIAN MINISTRIES MAJOR (46 hrs.)

This major is designed for students desiring to enter ministry upon graduation, but who might choose to continue their studies later, and for students entering seminary immediately upon graduation. Courses in this major encourage ministry practice and informed reflection on that practice, giving students both depth and breadth of preparation.

- 24 hours from departmental core courses: BIBL 2000, 2050; RLGN 2000, 2130, 2150, 3040, 3060, 3300
- 19 hours from ministry core courses: CMIN 2000, 3050, 3080, 3910, 4250, 4810
- 3 hours from additional courses offered by the department

#### CHRISTIAN MINISTRIES COMPLEMENTARY MAJOR (28 hrs.)

The Christian ministries complementary major may be taken only in conjunction with another major. This approach strengthens students' preparation for servanthood in today's world by connecting theological, biblical, and ministerial knowledge with students' bases of knowledge. It offers the opportunity to prepare for ministry while also preparing for another profession and gives students a broad base in preparation for graduate study in ministry.

- BIBL 2000; RLGN 2130, 2150, 3040, 3420
- CMIN 2000
- 3 hours from CMIN 3050, 3080, or 3910
- At least 1 hour from CMIN 4810 or 3340
- 3 additional hours from CMIN-captioned courses
- 3 additional hours from upper-division courses offered by the department

#### CHRISTIAN MINISTRIES MINOR (16 hrs.)

- CMIN 2000
- 9 additional hours chosen from CMIN courses
- at least 1 hour of CMIN 4810: Internship in Ministry
- 3 upper-division hours from additional courses offered by the department

#### YOUTH MINISTRIES MAJOR (49 hrs.)

- 24 hours from departmental core courses: BIBL 2000, 2050; RLGN 2000, 2130, 2150, 3040, 3060, 3300
- 10 hours from ministry core courses: CMIN 2000, 4250, 4810
- 3 additional hours from ministry core courses: CMIN 3050, 3080, or 3910
- 6 hours from youth ministry courses: CMIN 2260, 3260
- 3 hours from family courses: CMIN 3230, HIST 4030, or SOCI 2100
- 3 additional hours from courses offered by the department

The student may wish to join with this major the youth leadership development complementary major from the Psychology Department.

## CHRISTIAN MINISTRIES EXPERIENTIAL EDUCATION

The Christian ministries and youth ministries majors also offer experiential education in ministry, including internships (CMIN 4810) and experiential courses (CMIN 3340, 4650, 4910) offered in conjunction with agencies such as Urban Studies in cities like Chicago or Indianapolis and the Heart Institute in Florida. CMIN 3340 or CMIN 4810 will meet the experiential component of the liberal arts requirements for the Christian ministries major, the Christian ministries complementary major, and the youth ministries major.

### CHRISTIAN SPIRITUAL FORMATION COMPLEMENTARY MAJOR (28-30 hrs.)

The Christian spiritual formation complementary major may be taken only in conjunction with another major. It is designed to aid students in becoming complete and mature disciples of Jesus Christ by integrating their Christian faith with academic knowledge from their particular major and from the field of Christian spirituality. The major will include questions of worldview, interdisciplinary approaches to Christian spirituality, and departmental offerings aimed towards developing a holistic understanding of God, the world, and self. Students will study the history, theology, and practices of major figures in Christian spirituality and how to apply that knowledge to serve as Christian leaders in their professional lives and in society-at-large.

- 9 hours from RLGN 1100; either RLGN 2410 or RLGN 2430; and RLGN 4960
- 7-9 hours from any three interdisciplinary courses:
  - ENGL 2580; MUSC 3150; PACT 2400; PSYC/SOCI 3500; PSYC 3200
- 12 hours, one course from each of the following categories:
  - Scripture: BIBL/RLGN 3000 or BIBL 2150
  - Tradition: HIST/RLGN 3060, HIST 3540; RLGN 2250; RLGN 2270
  - Reason: RLGN/PHIL 3250; PHIL 2000; RLGN 3120
  - Experience: RLGN 2310; RLGN 3100; RLGN 3530

### CHRISTIAN SPIRITUAL FORMATION MINOR (15 hrs.)

The Christian Spiritual Formation (CSF) minor is designed for students who are interested in CSF but who are unable to take the CSF complementary major. The CSF minor includes the three core courses of the complementary major, but it allows students to choose two courses that most interest them from the categories of Reason, Tradition, Scripture, and Experience.

- 9 hours from RLGN 1100; either RLGN 2410 or RLGN 2430; and RLGN 4960
- 6 hours from two of the following categories:
  - Scripture: BIBL/RLGN 3000 or BIBL 2150
  - Tradition: HIST/RLGN 3060, HIST 3540; RLGN 2250; RLGN 2270
  - Reason: RLGN/PHIL 3250; PHIL 2000; RLGN 3120
  - Experience: RLGN 2310; RLGN 3100; RLGN 3530

### ETHICS MINOR (15 hrs.)

The ethics minor is designed to provide additional depth and strength in the critical study of moral and ethical deliberations and is particularly focused on continuing moral concerns facing humans, their institutions, and the wider creation. The ethics minor is designed to strengthen the knowledge base of departmental majors but may also complement the interests of students in other majors.

- PHIL 2120
- 4 courses from BIBL 3420, PHIL 3210, RLGN 2130, RLGN 3120, RLGN/PHIL 3250
- COMM 3200 may be applied

## HISTORY OF CHRISTIANITY MINOR (15 hrs.)

The history of Christianity minor aims to provide further understanding and appreciation of the nature, role, and diversity of Christian experience throughout history as well as reflection on the role and ability of the church's past to inform its present and future. This minor is intended to strengthen the historical and contextual understanding of departmental majors but may also be of interest to students in other majors.

- RLGN/HIST 3060, BIBL/RLGN 3000
- 3 courses from RLGN 2250, RLGN 2270, RLGN/HIST 3135, RLGN 3300, RLGN/HIST 3420

## PHILOSOPHY MINOR (15 hrs.)

Courses in philosophy involve students in relative consideration of the nature of humanity, society, morality, religion, the arts, and the natural world. These courses contribute to the liberal arts education in two basic ways: they help students understand and assess beliefs that are integral to their views of human existence, and they are meant to enable students to acquire philosophical skills and materials that enrich and integrate the study of other disciplines. Essential to the success of each course is an atmosphere of openness to diverse viewpoints and a respect for the high standards of critical thinking.

- 15 hours from PHIL courses

## BIBL Courses

- 2000 Introduction to the Bible** **3 hrs. (3, 0)**  
Historical and literary study of the Hebrew Bible and the New Testament as Scripture. Introductory course surveying historical contexts, varieties of literature, and development and expression of theology of these writings. **PREREQUISITE:** Sophomore Standing. **OFFERED:** Sem. I, II.
- 2050 Methods in Biblical Exegesis** **3 hrs. (3, 0)**  
Introduction to methods, resources, and practice of exegesis of both the Hebrew Bible and the New Testament. Practical application of current exegetical methodologies to biblical texts. Biblical languages not required. **EXPECTATION:** ENGL 1120. **PREREQUISITE:** BIBL 2000. **OFFERED:** Sem. II.
- 2110 Beginning Hebrew I** **4 hrs. (4, 0)**  
Study of the basic principles of biblical Hebrew grammar and syntax, with reading and writing exercises with an emphasis on understanding the culture of the text's production and reception. Acquisition of a basic vocabulary of 150-200 words is expected. BIBL 2110 and BIBL 2120 together fulfill the liberal arts area Global and Intercultural Ways of Knowing: Ancient Foreign Languages. **OFFERED:** Sem. I.
- 2120 Beginning Hebrew II** **4 hrs. (4, 0)**  
Continuation of Beginning Hebrew I. Study of biblical Hebrew grammar and syntax, with reading and translation of selected narrative passages and an emphasis on understanding the culture of the text's production and reception. Second-year Hebrew is strongly recommended after this course for facility in the Hebrew text of the Hebrew Bible. BIBL 2210 and BIBL 2220 together fulfill the liberal arts area Global and Intercultural Ways of Knowing: Ancient Foreign Languages. **PREREQUISITE:** BIBL 2110 or equivalent. **OFFERED:** Sem. II.
- 2150 Theological Interpretation of the Bible** **3 hrs. (3, 0)**  
Study of the approach to biblical interpretation known as "theological interpretation," including its history and the context for its resurgence, major voices in its discourse, and reflection on its contemporary practice. **OFFERED:** Sem. II.
- 2210 Beginning Greek I** **4 hrs. (4, 0)**  
Basic principles of grammar, with reading and writing exercises. Acquisition of basic vocabulary. Reading in selected passages with an emphasis on understanding the culture of the text's production and reception. This course is foundational for any further work in Greek (biblical or classical). BIBL 2210 and BIBL 2220 together fulfill the liberal arts area Global and Intercultural Ways of Knowing: Ancient Foreign Languages. **OFFERED:** Sem. I.

## **BIBL (cont.)**

- 2220 Beginning Greek II** **4 hrs. (4, 0)**  
Continuation of Beginning Greek I. Basic principles of grammar, with reading and writing exercises. Acquisition of basic vocabulary. Reading in selected passages. This course is foundational for any further work in Greek (biblical or classical). BIBL 2210 and BIBL 2220 together fulfill the liberal arts area Global and Intercultural Ways of Knowing: Ancient Foreign Languages. **PREREQUISITE:** BIBL 2210 or equivalent. **OFFERED:** Sem. II.
- 2900 Honors Seminar** **2-4 hrs. (arranged)**  
**CONSENT:** Department chair. **OFFERED:** With sufficient demand.
- 3000 History of Biblical Interpretation** **3 hrs. (3, 0)**  
This course is a historically based study of the ways in which Christians have interpreted the Bible. The course considers the diversity of Christian interpretation as well as the development of Christianity as the biblical text was interpreted over time. This course applies to the liberal arts writing-intensive requirement. **PREREQUISITE:** BIBL 2000; upper-division standing. **SAME AS:** RLGN 3000. **OFFERED:** Sem. I, II.
- 3110 Intermediate Hebrew** **3 hrs. (3, 0)**  
Consists of reading selected passages of the Hebrew Bible for the purpose of acquiring a large vocabulary and general facility in interpretation of Hebrew texts. **PREREQUISITE:** BIBL 2120. **OFFERED:** Sem. I (with sufficient demand).
- 3120 Hebrew Exegesis** **3 hrs. (3, 0)**  
Continuation of reading of selected passages of the Hebrew Bible, with special attention given to exegesis. The student will also research and write a major exegetical study of a Hebrew Bible passage, based on the Hebrew text. **PREREQUISITE:** BIBL 3110. **OFFERED:** Sem. II (with sufficient demand).
- 3210 Advanced Greek I** **3 hrs. (3, 0)**  
Translation of New Testament and other selected Hellenistic texts. Emphasis on grammar review and study of syntax to introduce students to basic principles of exegesis. **PREREQUISITE:** BIBL 2220. **OFFERED:** Sem. I (with sufficient demand).
- 3220 Advanced Greek II** **3 hrs. (3, 0)**  
Continuation of BIBL 3210. Translation of New Testament and Hellenistic texts. May also include Greek texts from the classical period. Emphasis on more extensive application of principles of exegesis. **PREREQUISITE:** BIBL 3210. **OFFERED:** Sem. II (with sufficient demand).
- 3310 Archaeological History of the Ancient Near East** **3 hrs. (3, 0)**  
Principles, problems, and contributions of archaeology as related to ancient civilizations from Sumer to fall of Rome. **OFFERED:** Sem. I.
- 334x The Gospels** **3 hrs. (3, 0)**  
Study of the background of the Gospels and current exegesis of specific Gospels. The study will rotate among the individual synoptic Gospels and the Gospel of John. **PREREQUISITE:** BIBL 2000, 2050; RLGN 2150. **REPEAT:** May be repeated under a different number.
- |              |               |
|--------------|---------------|
| 3341 Matthew | 3 hrs. (3, 0) |
| 3342 Mark    | 3 hrs. (3, 0) |
| 3344 John    | 3 hrs. (3, 0) |
| 3345 Luke    | 3 hrs. (3, 0) |
- 335x Pauline Letters** **3 hrs. (3, 0)**  
Study of the background, purpose, content, teachings, and exegesis of individual letters or meaningful clusters of letters. **PREREQUISITE:** BIBL 2000, 2050; RLGN 2150. **REPEAT:** May be repeated under a different number.
- |                         |               |
|-------------------------|---------------|
| 3351 Romans             | 3 hrs. (3, 0) |
| 3352 I/II Corinthians   | 3 hrs. (3, 0) |
| 3353 I/II Thessalonians | 3 hrs. (3, 0) |
| 3354 Galatians          | 3 hrs. (3, 0) |
| 3355 Prison Letters     | 3 hrs. (3, 0) |
| 3356 Pastorals          | 3 hrs. (3, 0) |

## **BIBL (cont.)**

- 336x General Writings** **3 hrs. (3, 0)**  
Study of the New Testament writings including the general letters and Acts, exploring the background, purpose, and current exegesis of single books or meaningful clusters. **PREREQUISITE:** BIBL 2000, 2050; RLGN 2150. **REPEAT:** May be repeated under a different number.
- |                           |               |
|---------------------------|---------------|
| 3361 James/Peter/Jude     | 3 hrs. (3, 0) |
| 3362 Acts of the Apostles | 3 hrs. (3, 0) |
| 3363 Hebrews              | 3 hrs. (3, 0) |
| 3364 Johannine Literature | 3 hrs. (3, 0) |
- 337x The Pentateuch** **3 hrs. (3, 0)**  
Study of the books of the Pentateuch in terms of the background, setting, formation, and current exegesis of the individual books or as a meaningful cluster. **PREREQUISITE:** BIBL 2000, 2050; RLGN 2150. **REPEAT:** May be repeated under a different number.
- |                  |               |
|------------------|---------------|
| 3371 Genesis     | 3 hrs. (3, 0) |
| 3372 Exodus      | 3 hrs. (3, 0) |
| 3373 Deuteronomy | 3 hrs. (3, 0) |
- 338x Former and Latter Prophets** **3 hrs. (3, 0)**  
Rise, development, and significance of prophecy in the Hebrew Bible with study of individual prophetic books or meaningful clusters of books regarding background, purpose, and current exegesis. **PREREQUISITE:** BIBL 2000, 2050; RLGN 2150. **REPEAT:** May be repeated under a different number.
- |                                     |               |
|-------------------------------------|---------------|
| 3381 Isaiah/Jeremiah/Ezekiel        | 3 hrs. (3, 0) |
| 3382 Hosea/Amos                     | 3 hrs. (3, 0) |
| 3383 Former Prophets: 1-2 Kings     | 3 hrs. (3, 0) |
| 3384 Isaiah                         | 3 hrs. (3, 0) |
| 3385 Former Prophets: 1-2 Samuel    | 3 hrs. (3, 0) |
| 3386 Former Prophets: Joshua/Judges | 3 hrs. (3, 0) |
- 339x Hebrew Bible Writings** **3 hrs. (3, 0)**  
Study of the writings section of the Hebrew Bible examining individual books or meaningful clusters regarding background, purpose, content, and interpretation. **PREREQUISITE:** BIBL 2000, 2050; RLGN 2150. **REPEAT:** May be repeated under a different number.
- |                        |               |
|------------------------|---------------|
| 3391 Psalms            | 3 hrs. (3, 0) |
| 3392 Wisdom Literature | 3 hrs. (3, 0) |
| 3393 Ecclesiastes      | 3 hrs. (3, 0) |
| 3394 Esther/Daniel     | 3 hrs. (3, 0) |
| 3395 Ezra/Nehemiah     | 3 hrs. (3, 0) |
- 3410 Images of Jesus Then and Now** **3 hrs. (3, 0)**  
Examination of the New Testament's images of Jesus and their transformations in different cultures. Emphasis is upon how different images of Jesus entail corresponding lifestyles and worldviews. Comparisons of images of Jesus with selected focal images from other religions (such as Allah or the Tao) show the images' structural importance for religious systems and cultures. **PREREQUISITE:** BIBL 2000; upper-division standing. **OFFERED:** Sem. II.
- 3420 New Testament Ethics** **3 hrs. (3, 0)**  
Exegetical study of the ethical teachings of Jesus and Paul. Secondary emphasis on the Johannine writings. An overview of the major ethical systems (such as Deontology and Consequentialism), discussions of moral issues (such as abortion), and an examination of how the teachings of the New Testament, and of the Bible in general, have been used in making moral decisions. **PREREQUISITE:** BIBL 2000. **OFFERED:** With sufficient demand.
- 3520 Apocalyptic Literature** **3 hrs. (3, 0)**  
Examination of the nature and purpose of Judeo-Christian writings of apocalyptic genre. Study from the perspectives of scholarly exegesis of selected apocalyptic passages from the Hebrew Bible (Daniel), the Apocrypha, the Pseudepigrapha, and the New Testament, with particular emphasis on the Apocalypse of John. **PREREQUISITE:** BIBL 2000; 2050; RLGN 2150. **OFFERED:** With sufficient demand.

## **BIBL (cont.)**

- 3900 Honors Seminar** 2-4 hrs. (arranged)  
**CONSENT:** Department chair. **OFFERED:** With sufficient demand.
- 4650 Independent Study** 2-4 hrs. (arranged)  
Individual study, investigation, research, or project. **CONSENT:** Department chair. **REPEAT:** May be repeated.
- 4900 Honors Seminar** 2-4 hrs. (arranged)  
**CONSENT:** Department chair. **OFFERED:** With sufficient demand.
- 4910 Seminar** 1-4 hrs. (arranged)  
Special areas of study and research in Old and New Testaments. **PREREQUISITE:** BIBL 2000. **REPEAT:** The seminar may be taken twice under a different topic. **OFFERED:** With sufficient demand.

## **CMIN Courses**

- 2000 Introduction to Christian Ministry** 3 hrs. (3, 0)  
Entry-level course for students interested in ministry. Focuses on competency in ministry practices and theological perspectives on ministry. **OFFERED:** Sem. I.
- 2260 Educational Ministry with Youth** 3 hrs. (3, 0)  
Approaches to planning and conducting youth ministry in the local church. Focus on teaching/learning procedures that encourage achievement of objectives of Christian education with adolescents. **PREREQUISITE:** CMIN 2000. **OFFERED:** Sem. I.
- 2270 Faith and Worship** 3 hrs. (3, 0)  
Understanding Christian worship through consideration of its biblical and historical backgrounds and through observation of its current practice. Experience in planning and conducting worship in a variety of settings. **OFFERED:** With sufficient demand.
- 2900 Honors Seminar** 2-4 hrs. (arranged)  
**CONSENT:** Department chair. **OFFERED:** With sufficient demand.
- 3050 Homiletics** 3 hrs. (3, 0)  
This course is a study of the preparation and delivery of sermons, contemporary methods of sermon building, and the spiritual formation of the preacher. **PREREQUISITE:** BIBL 2000, CMIN 2000. **SAME AS:** PAST 5500. **OFFERED:** Sem. I.
- 3080 Pastoral Care and Counseling** 3 hrs. (3, 0)  
This is a foundational pastoral care course exploring the multi-faceted dimensions of pastoral ministry in building healthy faith communities, caring for people in need, and leading a ministry of reconciliation. **PREREQUISITE:** CMIN 2000. **SAME AS:** PAST 6370. **OFFERED:** Sem. II.
- 3230 Educational Ministry with Families** 3 hrs. (3, 0)  
Explores the relationships between families and faith, the variety of contemporary influences on family life, and the opportunities for faith communities to minister to families. **PREREQUISITE:** CMIN 2000. **OFFERED:** With sufficient demand.
- 3260 Leading, Teaching, and Discipling Youth** 3 hrs. (3, 0)  
This course is a study of the developmental aspects of the adolescent, learning theory in education of youth, materials and methods for teaching-learning with youth, and adequate programs for ministry with youth. **PREREQUISITE:** CMIN 2260. **SAME AS:** PAST 6160. **OFFERED:** Sem. II.
- 3340 The Community of Faith in an Urban Culture** 3 hrs. (3, 0)  
Two weeks of field experiences in two major American cities or in Berlin, Germany, are preceded by a week of assigned reading and class discussion. The class experiences firsthand the church's response to runaway and throwaway children, homelessness, hunger, drug addiction, racism, unemployment, and other expressions of urban alienation. Written reaction on the experience. **CONSENT:** Instructor. **GRADE:** CR/NC. **OFFERED:** July/August 2021.

## CMIN (cont.)

- 3900 Honors Seminar** 2-4 hrs. (arranged)  
**CONSENT:** Department chair. **OFFERED:** With sufficient demand.
- 3910 Ministry Seminar** 3 hrs. (3, 0)  
This course addresses issues important to ministry in multiple settings. A variety of ministry practices become the means by which to explore the many dimensions of the focal issue(s). Topics include hunger and poverty, justice and reconciliation, life commitments and transitions, leadership and organizational life, and loss, illness, and end of life. This course applies to the liberal arts speaking-intensive requirement. **PREREQUISITE:** CMIN 2000; BIBL 2000. **REPEAT:** May be repeated as long as topic is different; total credit not to exceed 6 hours. **OFFERED:** Sem. I, II.
- 4250 Theology in a Ministry Context** 3 hrs. (3, 0)  
In this capstone course for the Christian ministries and youth ministries majors, students draw upon methods of congregational study, practical theology, and ministry experience to identify and address selected issues within a particular congregation. The course includes written and oral presentations of ministry-related research. Required for Christian ministries and youth ministries majors. All internship hours should be completed before taking CMIN 4250. This course applies to the liberal arts writing-intensive requirement. **EXPECTATION:** completion of the CMIN-captioned courses required by one's major. **PREREQUISITE:** CMIN 4810. **OFFERED:** Sem. I.
- 4650 Independent Study** 1-4 hrs. (arranged)  
Individualized study, investigation, research, or project. **CONSENT:** Department chair.
- 4810 Internship** 1-4 hrs. (arranged)  
Students will complete in-service ministry training in conjunction with a designated supervisor in an approved ministry setting. The internship may be summer placement or concurrent part-time placement during the school year. **CONSENT:** Consent of the instructor. **PREREQUISITE:** CMIN 2000. **REPEAT:** May be repeated. **GRADE:** CR/NC. **SAME AS:** THFE 7810. **OFFERED:** Sem. I, II.
- 4900 Honors Seminar** 2-4 hrs. (arranged)  
**CONSENT:** Department chair. **OFFERED:** With sufficient demand.

## PHIL Courses

- 2000 Introduction to Philosophy** 3 hrs. (3, 0)  
An introduction to the important questions, ideas, and figures in the Western philosophical tradition from both topical and historical perspectives. **OFFERED:** Sem. I.
- 2120 Ethics** 3 hrs. (3, 0)  
Classical and contemporary considerations of moral issues and nature and status of ethical theory.
- 2240 Contemporary Philosophy** 4 hrs. (4, 0)  
Twentieth-century philosophical movements and philosophers from Sartre to Wittgenstein. **OFFERED:** With sufficient demand.
- 3010 History of Political Thought** 3 hrs. (3, 0)  
Examination of major works in the development of political thought from ancient Greece through the 20th century. Theorists studied include Plato, Aristotle, Machiavelli, Hobbes, Locke, Rousseau, and Mill. Particular emphasis is placed on the practical consequences of ideas for leaders in politics and society. **PREREQUISITE:** Sophomore standing. **SAME AS:** HIST/POSC 3010. **OFFERED:** Sem. II.
- 3200 Nineteenth-Century Philosophy** 3 hrs. (3, 0)  
Particular emphasis on Kant, rise of German Idealism, and dominant figures through Nietzsche. **OFFERED:** With sufficient demand.
- 3210 Moral Conflicts and Controversy** 3 hrs. (3, 0)  
Examines the question of moral conflict through the works of the Greek tragic poets Aeschylus and Sophocles and selected works of Plato and Aristotle. Students consider solutions to the moral problems arising from irreconcilable life situations. **PREREQUISITE:** PHIL 2000. **OFFERED:** With sufficient demand.

## PHIL (cont.)

- 3250 Ethics and Morality for Professionals** 3 hrs. (3, 0)  
An introduction to Western ethical traditions and particularly to critical thinking about moral experience within Christianity. From classical perspectives in Christian ethics, students will practice using resources (such as the Bible) to develop their own ethical code, system of values, and constructive approaches by which they would resolve ethical dilemmas and conflicts. Special focus on teaching moral reasoning as a skill for professionals, particularly for Christian leaders, to resolve moral dilemmas in society and in organizations (both the profit and not-for-profit sectors). **PREREQUISITE:** Upper-division standing. **SAME AS:** RLGN 3250. **OFFERED:** Sem. I.
- 4910 Seminar** 3 hrs. (3, 0)  
Selected philosophers and philosophical problems. **REPEAT:** May be taken twice with different topics. **OFFERED:** With sufficient demand.

## RLGN Courses

- 1100 Introduction to Spiritual Formation** 3 hrs. (3, 0)  
Study of the history, theology, and practice of spiritual formation. Combines traditional academic study with practical experiences of spiritual formation. Introductory course for the Spiritual Formation complementary major.
- 2000 Introduction to Religion** 3 hrs. (3, 0)  
Introduction to the nature of religion as it is understood critically in contemporary thought. Viewpoints, including historical, anthropological, sociological, psychological, philosophical, and phenomenological studies of religion, will be surveyed. Brief introduction to the history of the study of religion is included. **OFFERED:** Sem. I.
- 2130 Introduction to Christian Ethics** 3 hrs. (3, 0)  
Introduction to the nature, sources, and diversity of Christian ethics understood as the deliberate reflection on the Christian moral life. Particular attention given to how Jesus and the church as a moral community of faith provide basic guidance in forming individuals capable of determining questions of right and wrong, good and evil. **PREREQUISITE:** BIBL 2000. **OFFERED:** Sem. I.
- 2150 Hermeneutics: The Practice of Interpreting** 3 hrs. (3, 0)  
Sustained reflection on the practice of interpreting, understood to be a necessary activity in all of human life. Primary attention is given to the art of interpreting texts — including biblical texts as well as those of theology, philosophy, ethics, history, and others, both ancient and contemporary. **PREREQUISITE:** BIBL 2000. **OFFERED:** Sem. I.
- 2270 Church of God Heritage** 4 hrs. (4, 0)  
Sociohistorical treatment of the Church of God (Anderson, Ind.). Emphasis on dynamic factors influencing direction of change. **PREREQUISITE:** BIBL 2000. **OFFERED:** Sem. II.
- 2310 Faith, Fantasy, and Christian Formation** 3 hrs. (3, 0)  
Explores how literature, such as The Chronicles of Narnia and The Lord of the Rings, helps to stir our imagination, shape our faith, and form our lives to make a lasting difference in this world. The class will examine both the fiction and friendship of C.S. Lewis and J.R.R. Tolkien and discover how faith is formed in the matrix of the stories that shape our lives. **OFFERED:** With sufficient demand.
- 2410 Where am I? Faith and Cosmology** 3 hrs. (3, 0)  
An exploration of the development of cosmologies in the Western world from early Egyptian and Greek cosmologies to the modern scientific ones of Newton and Einstein. A comparison of these cosmologies with foundational themes in Jewish and Christian cosmology. Students will assess their own worldview, noting how their views lay the groundwork for their Christian spiritual formation. **OFFERED:** Sem. II.
- 2430 Who am I? Theological Anthropology** 3 hrs. (3, 0)  
Study of theological anthropology from a biblical and historical perspective. Students will analyze their own understanding of what it means to be human and the theological vision that underlies their functional anthropology. The course will focus on the influence of theological understanding of the self as it relates to the worldview question: Who are we? **OFFERED:** Sem. I with sufficient demand.

**RLGN (cont.)**

- 2900 Honors Seminar** 2-4 hrs. (arranged)  
**CONSENT:** Department chair. **OFFERED:** With sufficient demand.
- 3000 History of Biblical Interpretation** 3 hrs. (3, 0)  
This course is a historically based study of the ways in which Christians have interpreted the Bible. The course considers the diversity of Christian interpretation as well as the development of Christianity as the biblical text was interpreted over time. This course applies to the liberal arts writing-intensive requirement. **PREREQUISITE:** BIBL 2000; upper-division standing. **SAME AS:** BIBL 3000. **OFFERED:** Sem. I, II.
- 3010 Faith in Context** 3 hrs. (3, 0)  
Faith always emerges in multiple contexts, including cultural, developmental, and religious. Students in this course examine personal experiences with faith, the faith experiences of their families of origin, and contemporary North American expressions of popular religion and spirituality.
- 3020 Christianity and Social Justice** 3 hrs. (3, 0)  
The call to "do justice, love mercy, and walk humbly with your God" is deeply rooted in Christian faith. Just what this element of Christian commitment means in lived experience, however, is neither consistently interpreted nor universally applied. This course affords students the opportunity to explore in some depth the relationship between Christian faith, in its various articulations, and social justice. The class addresses a selection of contemporary social justice issues (for example, racial justice, gender justice, environmental justice), exploring ways in which representative groups and individuals from the Christian tradition have understood the relationship between faith and social justice. The goal of the course is to introduce students to the complexities of each social justice issue, to encourage them to consider ways in which Christian faith commitments intersect with concerns about the issue, and to prompt them to develop a lifelong engagement with these concerns. **OFFERED:** Sem. II.
- 3040 Introduction to Christian Theology** 3 hrs. (3, 0)  
Beginnings in theology: province and methods of theology, doctrines of God, human nature, Christ, the church, and eschatology. **PREREQUISITE:** BIBL 2000. **OFFERED:** Sem. II.
- 3060 History of Christianity** 3 hrs. (3, 0)  
Comprehensive survey of the history of Christianity. An effort is made to trace main lines of development and to understand them in light of their inner dynamics and general environment. **SAME AS:** HIST 3060. **OFFERED:** Sem. I.
- 3100 Christian Understandings of Human Experience** 3 hrs. (3, 0)  
Investigation of perennial human experiences of intimacy, spirit, community, hope, revelation, and search for truth and reconciliation. Acquaints students with biblical-Christian interpretation of these experiences. **PREREQUISITE:** Upper-division standing.
- 3120 Current Issues in Christian Ethics** 3 hrs. (3, 0)  
A critical examination of Christian reflections and decision-making on moral and ethical issues in contemporary life. "Christian," as used in this course, seeks particularly to take Jesus and the church seriously in defining, describing, and illuminating the nature and content of moral issues. The course examines varying approaches to Christian moral decision-making, with a view to shaping sound responses to several current moral issues confronting human beings and creation. **OFFERED:** Sem. I, 2121-22.
- 3135 Medievalism and Reform: Europe from Charlemagne to Luther** 3 hrs. (3, 0)  
European civilization beginning with the medieval recovery from Rome's collapse to the Reformation and the age of religious wars. Treating the millennium between the Carolingian monarchs and the age of the great reformers, the course examines the emergence of new states, the first Agricultural Revolution, the creation of the vibrant culture of Christendom, the Crusades and Black Death, and the burst of cultural, political and economic vitality characteristic of the Renaissance and Reformation. **SAME AS:** HIST 3135.
- 3170 Sociology of Religion** 3 hrs. (3, 0)  
Sociological factors influencing expression of religion. **OFFERED:** With sufficient demand. **SAME AS:** SOCI 3170.

**RLGN (cont.)**

- 3250 Ethics and Morality for Professionals** 3 hrs. (3, 0)  
An introduction to Western ethical traditions and particularly to critical thinking about moral experience within Christianity. From classical perspectives in Christian ethics, students will practice using resources (such as the Bible) to develop their own ethical code, system of values, and constructive approaches by which they would resolve ethical dilemmas and conflicts. Special focus on teaching moral reasoning as a skill for professionals, particularly for Christian leaders, to resolve moral dilemmas in society and in organizations (both profit and not-for-profit sectors). **PREREQUISITE:** Upper-division standing. **SAME AS:** PHIL 3250. **OFFERED:** Sem. I.
- 3300 Beginnings of Christianity** 3 hrs. (3, 0)  
Study of the origin and development of Christianity within its Jewish and Graeco-Roman environments through the fourth-century Trinitarian debates. Special attention to the ways Christians answered the questions "Who is God?" "Who is Jesus?" "Who are we?" and "How should we live?" This course applies to the liberal arts writing-intensive requirement. **PREREQUISITE:** BIBL 2000. **OFFERED:** Sem. I.
- 3320 World Religions** 3 hrs. (3, 0)  
Introduction to the major tenets and cultural expressions of selected religions, such as Islam, Taoism, Buddhism, Jainism, Hinduism, Judaism, and Christianity. Religions are compared and contrasted thematically, structurally, and culturally. Emphasis is placed on the interdependence of religions and cultures, and on what it means to be a responsible citizen in a globalized world. **SAME AS:** HIST 3320. **OFFERED:** Sem. II.
- 3420 American Religious History** 3 hrs. (3, 0)  
Comprehensive survey of diverse American religious experiences in the past and present. A study of various historic forms of Christianity, Judaism, Eastern faiths, and indigenous American religions, as well as unifying religious forces, such as "civil religion." **SAME AS:** HIST 3420.
- 3530 Exploring Celtic Christianity** 3 hrs. (3, 0)  
Introduction to the development of Christianity in Scotland, from early Celtic monasticism to key moments in the Protestant Reformation. Students will be exposed to key figures and movements in the history of Christianity in Scotland, but the course emphasis will be on experience. Through the practice of retreat and pilgrimage, along with immersion in historically significant Christian sites, students will come to understand the nature and value of Christianity in the Celtic north. **OFFERED:** Summer 2022.
- 3900 Honors Seminar** 2-4 hrs. (arranged)  
**CONSENT:** Department chair. **OFFERED:** With sufficient demand.
- 4650 Independent Study** 2-4 hrs. (arranged)  
Individualized study, investigation, research, or project. **CONSENT:** Department chair. **REPEAT:** May be repeated.
- 4900 Honors Seminar** 2-4 hrs. (arranged)  
**CONSENT:** Department chair. **OFFERED:** With sufficient demand.
- 4910 Seminar** 1-4 hrs. (arranged)  
Special areas of study, research, or field work under departmental direction. **CONSENT:** Department chair. **REPEAT:** May be repeated. Total credit not to exceed 8 hours. **OFFERED:** With sufficient demand.
- 4960 Capstone Course: Spiritual Formation Through Work, Calling, and Holiness** 3 hrs. (3, 0)  
Study of the spiritual approach of Christian praxis through the lens of vocational holiness. Students will consider various understandings of holiness across a variety of Christian traditions. Priority is given to understanding, analyzing, and applying the principle of vocational holiness that seeks to conceive of all of life as falling within the domain of holiness. Fulfills the experiential liberal arts requirement for the CSF complementary major. **PREREQUISITE:** RLGN 1100 and 20 or more hours of coursework in the Christian spiritual formation major or instructor approval. **OFFERED:** Sem. II.

# COMMUNICATION AND DESIGN ARTS

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*Dr. D. Baird, chair; Prof. Higgs, Prof. Leiter, Prof. Lugar; Prof. Baker, Prof. Gibson, Prof. Kelly, Prof. Rinas, Prof. Russell, Dr. Wood*

The Department of Communication and Design Arts is committed to preparing students for an active and faithful life of stewardship within their chosen disciplines. Recognizing the close connection between creativity and the Creator, we seek to do this work with integrity, free and open inquiry, discipline, collaboration, and excellence.

Programs in the Department of Communication and Design Arts enable students to bring to the communication and design professions both breadth and depth, and they provide students with the opportunity to gain knowledge and learn skills and techniques.

The Department offers majors and minors in the following fields of study:

- **Cinema and Media Arts**

The major emphasizes the art of storytelling as the foundation for creating visual media. Instruction in audio, video, and cinema production prepares majors for careers in scriptwriting, production, management, and related areas. Students create and showcase their original work through the Black Bird Media Lab and the Black Bird Film Festival, and they have the opportunity to spend a semester in Hollywood through the CCCU's Los Angeles Film Studies Center.

- **Journalism**

Emphasis on newswriting skills aids students in preparing for careers in writing, reporting, announcing, and editing for print and electronic media. Practical experiences include generating news stories in classes, writing for the professional press, interning at a variety of news organizations, and publishing the student newspaper, the Andersonian.

- **Public Relations**

The field of public relations focuses broadly on strategically building and maintaining relationships with the various constituencies that are important to organizations. In the public relations major, students learn foundations, media writing, campaigns, research, ethics, social media, and event planning. Students may choose one of three tracks: public relations, public relations with a concentration in event planning, and public relations with a concentration in social media. This program offers an option to complete the major in three years rather than the traditional four. Classes are complemented by experiential learning through internships and the student-operated PR agency, Fifth Street Communications. The program also houses a chapter of the Public Relations Student Society of America (PRSSA). Juniors and seniors are required to maintain a PRSSA membership, with dues assessed each fall in COMM 2840.

- **Visual Communication Design**

This major prepares students for professional practice through intensive studio, theory, and history studies. A primary focus is the development of a visual portfolio – both print and digital. Courses engage students in the creation of visual products for print, web, and time-based media. Emphasis is placed on learning how to communicate ideas through appropriately and creatively designed visual products. Professional preparation opportunities include working with clients in studio-based projects and internships at the junior and/or senior levels. Students completing the major are prepared to work in design studios; advertising, marketing, and public relations agencies; corporate and church in-house communications departments; and other professional environments where visual communication is a primary component.

## MAJORS

### CINEMA AND MEDIA ARTS (52 hrs.)

- COMM 2000, 2010, 2020, 2060, 2160, 2200, 2320, 2420, 2860 (4 hrs.); 3120, 3200, 3220, 3420, 4000, 4800 (1-4 hrs.)
- Remaining hours from COMM 3050, 3160, 3260, 4120, 4900; ENGL 3140; THEA 2110, 2210

## JOURNALISM (42 hrs.)

- COMM 2000, 2010, 2130, 2140, 2200, 2850 (4 hrs.), 3130, 3200, 3230, 4000, 4800 (4 hrs.)
- Remaining hours from COMM 3050, 3330, 3370; CPSC 1200, ECON 2010, ENGL 3140, 3160; PHIL 2000; POSC 2100, 3010; RLGN 2000; SOCI 2010, 2450.

## JOURNALISM (30- hr. Complementary Major)

- COMM 2000, 2010, 2130, 2200, 2850 (3 hrs.), 3130, 3200, 3230, 4000, 4800 (2 hrs.)
- Remaining hours from COMM 2140, 3330, 3370

## PUBLIC RELATIONS (52 hrs.)

- COMM 2000, 2010, 2130, 2200, 2240, 2840 (4 hours), 3050, 3200, 3240, 3250, 3330, 3340, 3370, 3440, 4000, 4800 (1-4 hrs.)
- At least one course from among COMM 3130, 3230; ENGL 3160
- Remaining hours from BSNS 2810; COMM 2140, 3130, 3230, 4900; CPSC 1200; ENGL 3140 or 3160

### Public Relations with a Concentration in Event Planning and Management (52 hrs)

- BSNS 2810; COMM 2000, 2010, 2130, 2200, 2240, 2840 (3 hours), 3050, 3200, 3240, 3250, 3330, 3340, 3370, 3440, 3860 (1 hr.), 4000, 4340, 4800 (1-4 hrs.)
- Remaining hours from BSNS 3150, COMM 3230, ENGL 3140

### Public Relations with a Concentration in Social Media (52 hrs)

- BSNS 2810, 4400; COMM 2000, 2010, 2130, 2140, 2200, 2240, 2840 (4 hrs.), 3050, 3200, 3240, 3250, 3330, 3340, 3370, 3440, 4000, 4800 (1-4 hrs.)
- Remaining hours from BSNS 3550, COMM 3230; CPSC 1200; ENGL 3140

## VISUAL COMMUNICATION DESIGN (53 hrs.)

- ARTH 3010, 3020, 3030
- ARTS 2010, 2011, 2060, 2100, 3110, 3114, 3310, 4114, 4310, 4420, 4450 or COMM 3160, 4820 (2 hrs.), 4930, 4950
- BSNS 3550 or COMM 3370

## MINORS

### CINEMA AND MEDIA ARTS (18 hrs.)

- COMM 2000, 2020, 2060, 2200, 2320 or 2420, 2860 (2 hrs.)

### EVENT PLANNING AND MANAGEMENT (15-16 hrs.)

- BSNS 2810; COMM 2240, 3250, 3370, 3860 (1-2 hrs.), 4340

### JOURNALISM (18 hrs.)

- COMM 2000, 2010, 2130, 2850 (2 hrs.), 3130, 3200 or 4000, 3230

### PUBLIC RELATIONS (18 hrs.)

- COMM 2000, 2010, 2130, 2240, 3250 or 3440
- Remaining hours from COMM 3050, 3240, 3340, 3370

## VISUAL COMMUNICATION DESIGN (18 hrs.)

- ARTH 2000 or 3030; ARTS 2011, 3110, 3310; ARTS 1210 or 2010; ARTS 1250 or 2100

## ARTH Courses (History)

- 2000 Great Themes in Art History** 3 hrs. (3, 0)  
An integrative course focusing on important themes found in art and design history through lecture and studio experiences. The course examines these themes from medieval through modern times. **OFFERED:** Sem. I, II.
- 3010 Ancient to Medieval Art** 3 hrs. (3, 0)  
Study of art and architecture from ancient cultures through the Middle Ages. **OFFERED:** Sem. I, 2021-22.
- 3020 Renaissance to Modern Art** 3 hrs. (3, 0)  
A study of art and architecture from Italian Renaissance through the Modern period. **OFFERED:** Sem. I, 2022-23.
- 3030 Contemporary Art and Design** 3 hrs. (3, 0)  
A survey of the prevailing theories, art and design products, and practitioners that emerge from the mid-twentieth century to the present. Students are expected to develop verbal and written skills in discussing contemporary visual products and to learn to identify significant characteristics of these products. This course is intended to promote the student's understanding of important ideas that shaped art and design practices and to expand knowledge of the debates regarding contemporary critical theory and criticism. This course applies to the liberal arts writing-intensive requirement. **OFFERED:** Sem. II, 2021-22.

## ARTS Courses (Studio)

- 1210 Drawing for Liberal Arts** 3 hrs. (3, 0)  
Covers the basic aspects of drawing; investigating art elements of space, value, line, and form. **OFFERED:** Sem. II.
- 1230 Painting for Liberal Arts** 3 hrs. (3, 0)  
Introduction to concepts and processes of painting. Basic problems of space, image, and color are explored. **OFFERED:** Sem. I.
- 1250 Graphic Design for Liberal Arts** 3 hrs. (3, 0)  
Study of graphic design history, color theory, design rules, and graphic design software. Students create theme-based projects. **OFFERED:** Sem. I, II.
- 2010 Introduction to Drawing** 3 hrs. (6, 3)  
Covers a variety of skills and subject matter attempting to develop visual understanding and sensitivity. Formal art elements relevant to drawing; exploration of various graphic media. Main concerns are concepts of processes and seeing as related to drawing. **OFFERED:** Sem. I.
- 2011 Two-Dimensional Design** 3 hrs. (6, 3)  
A series of directed studio problems, using a variety of media, concerned with the elements of form and the principles of organization in two-dimensional visual forms. Emphasis on composition, such as Gestalt principles, structural arrangements, and visual communication theories. Students are introduced to a design/research process that is applied to course assignments and to the departmental sketchbook/journal requirement. **OFFERED:** Sem. I.
- 2060 Illustration** 3 hrs. (6, 3)  
Builds on the visual concepts in Introduction to Drawing. Emphasis is placed on problem solving through structured, illustrative projects that engage the relationship of form and concept. **PREREQUISITE:** ARTS 2010. **OFFERED:** Sem. II.

## ARTS (cont.)

- 2100 Introduction to Graphic Design** 3 hrs. (3, 2)  
Introduction to problem-solving in visual communication. Students engage in hands-on design and computer activities, develop creative thinking strategies, and devise solutions to visual communication design challenges. Intended for Visual Communication Design majors. **OFFERED:** Sem. II.
- 3110 Visual Design Studio I** 3 hrs. (6, 3)  
An introduction to the practice of graphic design. Students engage in studio problems that explore the communicative potential of visual symbol-making. The meaningful interrelation of text and image is investigated through the integration of drawing, photography, illustration, and typography. Students also begin to develop an individual design methodology that includes textual and visual research, explorative design thinking, appropriate visual/verbal presentation approaches, and critique skills. **PREREQUISITE:** ARTS 2011, 2060, 2100. **OFFERED:** Sem. I.
- 3114 Visual Design Studio II** 3 hrs. (6, 3)  
Utilizes visual research and design thinking introduced in Visual Design Studio I. Through the execution of projects employing layout, illustration and photo-imaging software, students examine aspects of the complexities of visual communication. **PREREQUISITE:** ARTS 2011, 2060, 3310. **OFFERED:** Sem. II.
- 3310 Typography Studio** 3 hrs. (6, 3)  
Introduction to history, aesthetics, and process of typography. Examines layout formats and the interrelationships of text, display types, composition, and content. Study of letter forms and designing with type. **PREREQUISITE:** ARTS 2011, 2060, 2100. **OFFERED:** Sem. I.
- 4114 Design for Digital Media** 3 hrs. (6, 3)  
Advanced study and application of systems, principles, and procedures underlying the practice of graphic design as related to digitally based projects. Introduction to interactive digital media technology and the impact upon design professions. Students encounter the complexities of working with clients and vendors in the realization of designed electronic materials and virtual environments. Interdisciplinary design teams work to structure design problems to develop well-conceptualized solutions. **PREREQUISITE:** ARTS 3114. **OFFERED:** Sem. I.
- 4310 Design Thinking** 3 hrs. (6, 3)  
Further investigation of effective visual communication with an emphasis on problem solving, conceptual development, and visual logic. Students develop design methodology while exploring various facets of the design process. **PREREQUISITE:** ARTS 3114. **OFFERED:** Sem. I.
- 4420 Design Methodology** 3 hrs. (6, 3)  
Research and communication theory and practice related to practicum experiences. Series of meetings and discussions with visiting experts. **PREREQUISITE:** ARTS 4114, 4310. **OFFERED:** Sem. II.
- 4450 Special Topics in Graphic Design** 3 hrs. (6, 3)  
Opportunity to explore in depth a specialization in the graphic design industry that is outside the design core. Topics may include design within nontraditional media, book layout and illustration, and packaging design. **PREREQUISITE:** ARTS 4114, 4310. **OFFERED:** Sem. II.
- 4650 Special Projects in Art (Two-Dimensional)** 1-4 hrs. (arranged)  
Exploration of specific problems in students' areas of concentration, carried out independently with instructor. **EXPECTATION:** Appropriate introductory and intermediate-level experience. Does not count toward the visual communication design major. **CONSENT:** Instructor. **REPEAT:** May be repeated. Total credit not to exceed 4 hours. **OFFERED:** Sem. I, II.
- 4820 Internship** 1-4 hrs. (arranged)  
Practical experiences in the professional field, typically up to 20 hours per week. Students learn employers' job methods relating to creative design applications, production responsibilities, and client contact. **CONSENT:** Instructor. **REPEAT:** May be repeated. Two hours of credit are required in the major; an additional two hours may be taken. **PREREQUISITE:** ARTS 4114, 4310. **OFFERED:** Sem. I, II; Summer.
- 4930 Comprehensive Projects I** 2 hrs. (2, 0)  
Development of paper utilizing inquiry-based research approach. Exhibition planning. **PREREQUISITE:** ARTS 4114, 4310. **OFFERED:** Sem. I, II.

## ARTS (cont.)

- 4950 Comprehensive Projects II** **4 hrs. (4, 2)**  
Students prepare portfolios, written inquiry papers, an oral presentation on their work, and concluding exhibitions. This course applies to the liberal arts speaking-intensive requirement.  
**PREREQUISITE:** ARTS 4930. **OFFERED:** Sem. I, II.

## COMM Courses

- 1000 Introduction to Speech Communication** **3 hrs. (3, 0)**  
The exploration and practice of public speaking with respect to topic selection, research, organization, and presentation. Students deliver speeches extemporaneously and by manuscript in the informative, persuasive, and commemorative modes. Emphasis on verbal and nonverbal aspects of speaking. **OFFERED:** Sem. I, II; Summer.
- 2000 Media and Society** **3 hrs. (3, 0)**  
Examination of major print and electronic media in terms of historical development, functions, structures, and issues. Entry course to majors in public relations, journalism, and cinema and media arts. Students are encouraged to take the COMM 2010 requirement concurrently whenever possible. **OFFERED:** Sem. I, II.
- 2010 The Communication Professional** **1 hr. (1, 0)**  
Orientation to working in the media, professional attitudes and expectations, planning a career, and developing a professional portfolio. Students are encouraged to take the COMM 2000 requirement concurrently whenever possible. **OFFERED:** Sem. I, II.
- 2020 Audio Concepts and Production** **3 hrs. (3, 1)**  
Introduction to the basic tools, disciplines, and concepts of audio production. Using current audio hardware and software, students will develop skills in announcing, recording, mixing, and digital editing. **OFFERED:** Sem. II.
- 2060 Video/Cinema Concepts** **3 hrs. (2, 2)**  
Introduction to the disciplines, concepts, hardware, and software of video/cinema production. Topics and practices include theory of video/cinema, visual space, camera operation, graphics, digital editing, directing, and producing. Both multi-camera and single-camera production opportunities. **OFFERED:** Sem. I.
- 2130 Writing for the Media** **3 hrs. (3, 0)**  
Research and writing in a variety of media, with an emphasis on news, features, public relations, and commercial copy. This course applies to the liberal arts writing-intensive requirement. **OFFERED:** Sem. II.
- 2140 Digital Production Techniques in Journalism and Public Relations** **3 hrs. (3, 2)**  
Introduction to the basic knowledge and skills required of journalists and public relations practitioners in digital media. Includes single-camera production, audio and video editing, use of the teleprompter, etc. **PREREQUISITE:** COMM 2130, 2200. **OFFERED:** Sem. I, 2022-23.
- 2160 The Art of Storytelling** **3 hrs. (3, 0)**  
Introduction to theme, plot, story arc, character, and narrative view as told through cinema and media arts. Particular emphasis on screenwriting. Additional topics include finding stories, adapting to the audience, and proper written form for different media. Includes daily writing assignments. This course applies to the liberal arts writing-intensive requirement. **OFFERED:** Sem. II.
- 2200 Visual Communication** **3 hrs. (3, 0)**  
Introduction to typography, color theory, photography, and design principles for print, Internet, and video/cinema communication. Instruction in the appropriate production technologies. **OFFERED:** Sem. I, II.
- 2240 Public Relations Foundations** **3 hrs. (3, 0)**  
Introduction to public relations: history, environment, processes, tools, and practices. Concepts are reinforced through current-event discussions and the development of a basic public relations plan. **OFFERED:** Sem. I.

COMM (cont.)

- 2320 Television Studio Production** 4 hrs. (3, 2)  
Intermediate course on the studio production process with an emphasis on producing, directing, and viewing the process as a collaborative effort. Programs include news, drama, and other television genres. Students rotate through all crew positions. **PREREQUISITE:** COMM 2060. **OFFERED:** Sem. II, 2021-22.
- 2420 Field, Soundstage, and Postproduction** 4 hrs. (3, 2)  
Intermediate practice of the single camera video/cinema production process in the field. Involves pre-production planning, producing, directing, cinematography, and digital editing. **PREREQUISITE:** COMM 2060. **OFFERED:** Sem. II, 2022-23.
- 2550 Appreciation of Great Speeches** 3 hrs. (3, 0)  
Examination of historic and contemporary speeches to develop understanding and appreciation of the elements by which great speeches are valued. This course applies to the liberal arts speaking-intensive requirement. **PREREQUISITE:** COMM 1000. **OFFERED:** Sem. II.
- 2840 Fifth Street Communications Staff** 1 hr. (arranged)  
Practical experience in a student-staffed public relations agency primarily serving not-for-profit organizations. Emphasis is on researching client needs, developing appropriate and high-quality communication deliverables, and providing outstanding customer service to clients. **PREREQUISITE:** COMM 2130, 2240. **REPEAT:** May be repeated. Total credit not to exceed 4 hours. **OFFERED:** Sem. I, II.
- 2850 Andersonian Staff** 1 hr. (1, 0)  
Involves working in staff positions on the student newspaper, the Andersonian. Responsibilities include planning, writing, editing, and designing content for both the print and electronic platforms. **PREREQUISITE:** COMM 2130. **REPEAT:** May be repeated. Total credit not to exceed 4 hours. **OFFERED:** Sem. I, II.
- 2860 Cinema and Media Arts Practicum** 1hr. (1, 0)  
Students work as producers, directors, writers, cinematographers and editors on film and video projects. **PREREQUISITE:** COMM 2060. **REPEAT:** May be repeated. Total credit not to exceed 4 hours. **OFFERED:** Sem. I, II.
- 3050 Global Communication** 3 hrs. (3, 0)  
Online course focusing on international and intercultural aspects of communication. Includes a spring break international travel option that allows for in-depth study of the subject matter. **OFFERED:** Sem. II, 2021-22.
- 3120 The Business of Cinema and Media Arts** 3 hrs. (3, 0)  
A survey of the distribution of radio and television programs and film through traditional and new media. Topics include structures, sales, programming, audience measurement, promotions, and distribution. **PREREQUISITE:** Upper-division standing. **OFFERED:** Sem. I, 2021-22.
- 3130 Advanced Newswriting and Reporting** 3 hrs. (3, 0)  
Study of advanced research, interviewing, and news writing techniques, with emphasis on print and multimedia formats. This course applies to the liberal arts writing-intensive requirement. **PREREQUISITE:** COMM 2130. **OFFERED:** Sem. II, 2022-23.
- 3160 Motion Graphics** 3 hrs. (3, 0)  
Design, creation, and technique related to motion graphics for television and cinema. Primary tools are Photoshop and After Effects. Includes 2D and 3D animation, compositing and visual effects. **OFFERED:** Sem. II, 2022-23.
- 3200 Communication Ethics** 3 hrs. (3, 0)  
The examination of ethical standards and decision-making processes in journalism, public relations, advertising, and entertainment media. **PREREQUISITE:** COMM 2000, 2010; upper-division standing. **OFFERED:** Sem. I, 2021-22.
- 3220 Screenwriting** 3 hrs. (3, 0)  
Development of concepts and scripts in comedy, drama and other genres. This course applies to the liberal arts writing-intensive requirement. **OFFERED:** Sem. I, 2022-23.

COMM (cont.)

- 3230 Advanced Feature and Digital Writing** 3 hrs. (3, 0)  
Strategic conception and creation of feature-oriented content for distribution in traditional print as well as digital outlets. This course applies to the liberal arts writing-intensive requirement.  
**PREREQUISITE:**  
COMM 2130. **OFFERED:** Sem. I, 2021-22.
- 3240 Public Relations Campaigns** 3 hrs. (3, 0)  
Planning and implementation of public relations principles and strategies in a variety of campaign situations. Focus may be on the development of specialized campaigns in areas such as business, healthcare, travel and government. **PREREQUISITE:** COMM 2240. **OFFERED:** Sem. II, 2021-22.
- 3250 Event Planning and Management** 2 hrs. (2, 0)  
Introduction to event planning, execution, and evaluation. Coursework includes concepts and principles of event management and project management, as well as practical application of learned concepts. Emphasis is on understanding and using planning tools to meet organizational goals.  
**OFFERED:** Sem. II.
- 3260 Television Scriptwriting** 3 hrs. (3, 0)  
Provides the student an opportunity to write for television in the styles of narrative comedy, narrative drama, "reality," and documentary shows. Topics include story structure, outlining, treatments, and scripting for television and other small-screen distribution platforms such as the internet, smartphones and tablets. Students write individually and as a team. **CONSENT:** Instructor.  
**OFFERED:** Sem. I, 2021-22.
- 3330 Communication Design** 3 hrs. (3, 0)  
Study of communication graphics with desktop publishing technology. Application of design principles to newspapers, magazines, newsletters, miscellaneous publications, and websites.  
**PREREQUISITE:** COMM 2200. Open to departmental majors and minors only. **OFFERED:** Sem. I, 2022-23.
- 3340 Public Relations Writing** 3 hrs. (3, 0)  
Writing of effective public relations materials, use of persuasion techniques, and study of procedures for dissemination of public information. This course applies to the liberal arts writing-intensive requirement. **PREREQUISITE:** COMM 2130, 2240. **OFFERED:** Sem. II, 2022-23.
- 3370 Communicating through Social Media** 3 hrs. (3, 0)  
Study of social media communication strategy and execution; topics include modifying messages for various media, managing online reputation, understanding and developing social media policies, and measurement and evaluation. Course projects include development of social media messages and strategy. **OFFERED:** Sem. I, 2022-23.
- 3420 Cinema Studies** 3 hrs. (3, 0)  
An overview of motion pictures, including history, elements of production, and the critique. Involves the review of several major motion pictures and the context of their creation. This course applies to the liberal arts speaking-intensive requirement. **OFFERED:** Sem. I, 2022-23.
- 3440 Public Relations Research** 2 hrs. (2, 0)  
Introduction to media and communication research methods, including reviewing secondary research, developing surveys, performing communication audits, and conducting interviews and focus groups. Emphasis is on understanding the types of research, identifying benefits and risks of each type, and choosing the correct type of research given time and cost constraints. **PREREQUISITE:** COMM 2240. **OFFERED:** Sem. II, 2021-22.
- 3860 Practicum in Event Management** 1-2 hrs. (arranged)  
Application of principles of successful event planning and management. Students work with a local organization to implement and evaluate an event. **PREREQUISITE:** COMM 3250. **REPEAT:** May be repeated. Total credit not to exceed 4 hours **OFFERED:** Sem. I, II; Summer.

**COMM (cont.)**

- 4000 Communication Law** **3 hrs. (3, 0)**  
Provides an understanding and appreciation of American legal traditions surrounding freedom of speech and of the press as well as an examination of libel, slander, privacy, copyright, trademark, entertainment law, and free press/fair trial issues. **PREREQUISITE:** COMM 2000, 2010; upper-division standing. **OFFERED:** Sem. II, 2022-23.
- 4120 Advanced Video Production** **3 hrs. (3, 1)**  
The capstone teleproduction course. Advanced theory and practice. Students will produce content for air on local or national television and for submission at film festivals. **PREREQUISITE:** COMM 2420; upper-division standing. **OFFERED:** Sem. I, 2021-22.
- 4340 Executing Effective Events** **3 hrs. (3,0)**  
Researching, designing, organizing and assessing events. Emphasis on communication, promotion, tools and techniques. Students develop a communication plan and implement an event. **PREREQUISITE:** COMM 3250. **OFFERED:** Sem I, 2021-22.
- 4750 Strategies for Teaching Speech** **1 hr. (arranged)**  
Surveys the content of a secondary-level speech class, evaluation methods, and extra-curricular activities related to the speech classroom. **OFFERED:** Sem. I.
- 4800 Internship** **1-4 hrs. (arranged)**  
Opportunity for advanced work off campus in the area of specialization at a radio or TV station, production or film-related company, newspaper, magazine, public relations agency, or other relevant environment. **CONSENT:** Instructor. **REPEAT:** May be repeated. Total credit not to exceed 4 hours. **OFFERED:** Sem. I, II; Summer.
- 4900 Seminar in Communication** **3 hrs. (3, 0)**  
Intensive study of selected topics in historical or contemporary communication. Topics vary. **CONSENT:** Instructor. **REPEAT:** May be repeated.

# COMPUTER SCIENCE

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*Prof. Craton, chair; Prof. Koontz, Prof. Lowmiller, Dr. Preston*

The mission of the Department of Computer Science is to provide students with a strong foundation in the field, build a love for lifelong learning, and ignite a desire to use their skills in service to the church and to society. The Department of Computer Science offers three standard majors – computer science (Bachelor of Science and Bachelor of Arts), data science (Bachelor of Science and Bachelor of Arts), and cybersecurity (Bachelor of Arts), which is an interdisciplinary major offered in conjunction with the security studies program. Also, for students wishing to add a concentration of coursework in these subjects to an existing major, three complementary majors are offered – business-information systems, computer science, and data science. The knowledge and skills gained in these majors are uniquely suited to allow our students to be servant leaders in their communities. Anderson University computer science, cybersecurity, and data science students are immersed in project-based experiential learning in both the classroom and the community.

Students develop and apply their knowledge outside the classroom by completing on-campus internships with area companies (including Genesys and Ontario Systems) or the Center for Security Studies and Cyber Defense, working with Anderson University Information Technology Services, and working within the Department of Computer Science to install and maintain servers, network, and lab computers. Additional off-campus opportunities include internships with companies in the surrounding counties. Anderson University students in these majors are recognized by employers as having the key abilities necessary in quality employees: integrity, Christ-centered servant leadership, strong written and oral communication skills, problem-solving abilities, excellent computer science skills, and an eagerness to learn what is needed to solve problems.

## COMPUTER SCIENCE PROGRAMS

The curriculum for a bachelor's degree in computer science at Anderson University follows the current Association of Computing Machinery (ACM) curriculum guidelines, incorporates software engineering throughout the curriculum, and provides students with the opportunity to use a wide array of software development technologies. During the freshman and sophomore years, students build the foundation of computer science knowledge while also developing the soft skills that employers value from a liberal arts education. Juniors and seniors focus on applying principles of this foundational knowledge and software engineering to advanced topics, including cybersecurity, computer networks, and operating systems. Teamwork, problem solving, and communication skills (written and oral) are emphasized throughout the program. Projects are oriented toward service to the surrounding community and the university when possible.

A major in computer science allows graduates to pursue jobs in the technology sector, including software development, testing, information technology support, and web development, among many other opportunities. Students who intend to continue their education in graduate school or focus on computationally complex problems in the computer science industry should complete the requirements for the Bachelor of Science in computer science, which adds foundational courses in math and science as well as requiring an additional computer science course.

A complementary major allows graduates to apply computer science in the specific area of their primary major; nearly any area of study can benefit from the use of computer science principles. The minor in computer science is designed for students who intend to use computer skills within a major to assist in the study of that major. Students are encouraged to speak with computer science faculty when selecting elective credit in order to choose courses that are most applicable to their concentration.

Students majoring in computer science are urged to complete additional coursework in mathematics, accounting, business administration, physics, cybersecurity, or related areas.

#### COMPUTER SCIENCE MAJOR, BACHELOR OF ARTS (59 hrs.)

- CPSC 1400, 1500, 2100, 2330, 2420, 2430, 2500
- ENGR 2200, MATH 2200/CPSC 2250
- CPSC 3380, 3410, 4420, 4430, 4950, 4960
- 6 hours from CPSC courses numbered 2000 or above
- 3-4 hours from MATH courses numbered 1300 or above

#### COMPUTER SCIENCE MAJOR, BACHELOR OF SCIENCE (82 hrs.)

- CPSC 1400, 1500, 2100, 2330, 2420, 2430, 2500
- ENGR 2200, MATH 2200/CPSC 2250
- CPSC 3380, 4420, 4430, 4950, 4960
- CPSC 3410 or ENGR 4050
- CPSC 3500 or CPSC 3520
- MATH 2010, 2020, 3010, 4010
- PHYS 2240
- 2-3 credit hours from courses numbered CPSC/ENGR 2000 and above
- an additional 6 credit hours from:
  - MATH 3020 and above
  - CHEM 2110 and above
  - PHYS 2250 and above

#### COMPUTER SCIENCE COMPLEMENTARY MAJOR (32 hrs.)

- CPSC 1400, 1500, 2100, 2500
- 4 hours from one of the following courses: MATH 2010, 2020, 2120, 2200
- 12 hours from any course CPSC 1200 or above, as approved in a plan of study by the computer science advisor

#### COMPUTER SCIENCE MINOR (16 hrs.)

- CPSC 1400, 1500
- 8 hours of additional credit from CPSC 1200 and above

### CYBERSECURITY PROGRAMS

The cybersecurity major is an interdisciplinary major and can be found in the Security Studies section of the catalog. The cybersecurity major is aligned to meet the standards required for accreditation by the Department of Homeland Security and National Security Agency as a National Center of Academic Excellence in Cyber Defense Education (CAE-CDE).

### DATA SCIENCE PROGRAMS

The curriculum for a Bachelor of Science degree in data science at Anderson University follows the current Association of Computing Machinery (ACM) curriculum guidelines for data science programs. Both the Bachelor of Science and the Bachelor of Arts major in data science prepares graduates to pursue a life of curiosity, exploration, and knowledge creation. Graduates of these programs will have developed an intuition for discovering meaning in data and will have the skills needed to provide value and purpose in almost any field. The Bachelor of Science data science major prepares students with the advanced mathematical foundations to pursue graduate school or tackle the most challenging problems in industry, while the Bachelor of Arts focuses on the application of the knowledge and techniques of data science to problems in a wide variety of fields.

The complementary major in data science provides students with the foundational understanding to be able to utilize data science techniques and tools within their primary major. The techniques of data science are applicable to a broad range of different domains, so that nearly any major can be enhanced by a complementary major in data science. The minor in data science provides an initial foundation for understanding the functionality of data science tools, and is intended to serve as the first step towards the use of data science techniques in the student's major field of study.

#### DATA SCIENCE MAJOR, BACHELOR OF SCIENCE (73-75 hrs.)

- MATH 2010, 2020, 3010, 3020, 4010, and POSC 2420
- CPSC 1400, 1500, 2040, 2080, 2100, 2330, 2500
- CPSC 3520, 4100, 4430, 4950, 4960, and PHIL 3250
- 3-4 hours from selected Communication Electives (*see below*)
- 3-4 hours from selected Domain Electives (*see below*)
- a minor or major in an application domain (*see below*)

#### DATA SCIENCE MAJOR, BACHELOR OF ARTS (58-60 hrs.)

- MATH 2010, 2120, and POSC 2420
- CPSC 1400, 1500, 2040, 2080, 2100, 2330, 2500
- CPSC 3520, 4100, 4430, 4950, 4960, and PHIL 3250
- 3-4 hours from selected Communication Electives (*see below*)
- 3-4 hours from selected Domain Electives (*see below*)
- a minor or major in an application domain (*see below*)

#### DATA SCIENCE COMPLEMENTARY MAJOR (35-37 hrs.)

- MATH 2120 and POSC 2420
- CPSC 1400, 1500, 2040, 2100, 4100
- 4 hours from any computer science course numbered greater than CPSC 3000
- 3-4 hours from selected Communication Electives (*see below*)
- 3-4 hours from selected Domain Electives (*see below*)

#### DATA SCIENCE MINOR (16 hrs.)

- MATH 2120
- CPSC 1400, 2040, 2100

#### *Eligible data science communication electives:*

- ARTS 2100, COMM 2200, ENGL 3140, ENGL 3160, or a course approved by the data science advisor

#### *Eligible data science minors:*

- Students are required to minor in an application domain, as approved by a data science advisor.
- Suggested minors include: Accounting, Biology, Chemistry, Criminal Justice, Marketing, Management, Physics, Psychology, Social Media, and Sports Marketing.

#### *Eligible data science domain electives:*

- One course at the level of 3000 or above in the domain of the minor is required, as approved by the data science advisor
- The following courses are pre-approved for students in the corresponding minor: BIOL 4050, CHEM 3100, CHEM 4110, ENGR 4120, PHYS 4220, PHYS 4410, SOCI 3700, POSC 3140, PSYC 3240, ACCT 3110, BSNS 2450, BSNS 3240, MATH 3400, BIBL 2050, HIST 2300, RLGN 3120

## BUSINESS-INFORMATION SYSTEMS

The business-information systems complementary major combines coursework in subjects relevant to both computer science and business. This complementary major is a valuable supplement to other majors with key knowledge in the use of computer science and business principles especially applicable in the major's studies. The minor in information systems is designed for individuals who intend to apply computer skills to business-related problems or for those who wish to complement any degree with marketable computer skills.

### BUSINESS INFORMATION SYSTEMS COMPLEMENTARY MAJOR (31 hrs.)

- ACCT 2010
- BSNS 2710, 2810, 3400, 4400
- CPSC 1400, 1500, 2100
- any 4 hours from CPSC 1100 or above

### INFORMATION SYSTEMS MINOR (15 hrs.)

- CPSC 1100 or BSNS 3400
- CPSC 1400
- Either CPSC 1200 and 2300 or CPSC 1500 and 2100

## CPSC Courses

*Note: For all courses with a CPSC 2000 caption, a laptop is required.*

- 1100 Introduction to Business Informatics** **3 hrs. (3, 0)**  
An introduction to computer-based business-problem-solving applications and methods. Core topics include spreadsheets with emphasis on formulas and functions, relational databases with emphasis on relational database design and use of SQL, and web software development with emphasis on HTML 5 and CSS. Students are to take the Certiport Microsoft Excel certification exam as part of the course. **PREREQUISITE:** Mathematics proficiency (see Liberal Arts Program in this catalog). **OFFERED:** Sem. I.
- 1200 Introduction to Web Programming** **4 hrs. (4, 0)**  
An introduction to program design and development using HTML 5, CSS, JavaScript, and WordPress. Emphasis is on problem-solving and issues related to web publishing. **PREREQUISITE:** Mathematics proficiency (see Liberal Arts Program in this catalog). **OFFERED:** Sem. II.
- 1400 Computer Science I** **4 hrs. (4, 0)**  
An introduction to disciplined, object-oriented program development. Topics include a survey of computer architecture and systems, problem-solving and algorithm development, data types and variables, control-of-flow structures, event-driven programming, private methods, and parameter passing. An introduction to the command line environment is presented. **PREREQUISITE:** Mathematics proficiency (see Liberal Arts Program in this catalog). **OFFERED:** Sem. I, II.
- 1500 Computer Science II** **4 hrs. (4, 0)**  
This course builds upon the topics covered in Computer Science I and provides experience developing complex applications. Topics include net-centric computing, arrays, file processing, object modeling using UML, and object-oriented programming with emphasis on writing classes. **PREREQUISITE:** CPSC 1400. **OFFERED:** Sem. II.
- 2040 Introduction to Data Science** **3 hrs. (3, 0)**  
Students will gain practical knowledge of Data Science using the Python programming language. Topics covered will include data wrangling, storage, analysis, and visualization. Basic applications of statistical inference will be covered using Jupyter Lab, pandas, numpy, scipy, and sklearn. **PREREQUISITE:** Math proficiency (see Liberal Arts Program in this catalog). **OFFERED:** Sem. I.

CPSC (cont.)

- 2080 Introduction to Cybersecurity** 3 hrs. (3, 0)  
This course introduces cybersecurity beginning with the foundational concepts and security principles then proceeding to threat, vulnerability, and risk management. Students will work with different offensive and defensive cyber tools to identify, protect, detect, respond, and recover critical infrastructure. **OFFERED:** Sem. I.
- 2100 Database Programming** 4 hrs. (4, 0)  
Study of relational database management systems and information storage and retrieval techniques. Topics include ERD and UML modeling, normalization, and SQL programming, stored procedures, triggers, views, transaction processing, concurrency control. **PREREQUISITE:** CPSC 1400. **OFFERED:** Sem. I.
- 2180 Scripting and Systems** 3 hrs. (3, 0)  
This course teaches students to develop scripts for managing systems and automating operations. Students in the class will write scripts for command environments in Windows and Linux operating systems. The course introduces fundamental scripting goals and programming concepts like algorithms, data structures, type checking, loops, conditional logic, functions, parameters, and regular expressions. **OFFERED:** Sem. II.
- 2250 Discrete Mathematical Structures** 4 hrs. (4, 0)  
Topics include Boolean algebra, computer logic, relations and functions, logic and proof techniques, combinatorics, algebraic structures, and graph theory. **PREREQUISITE:** Mathematics proficiency. **SAME AS:** MATH 2200. **OFFERED:** Sem. II.
- 2300 System Administration** 3 hrs. (2, 2)  
Students will learn systems administration principles and practices focusing on both Windows and Linux based environments. Students will be exposed to hardware and software components of modern computing systems (desktop, server, IOT, virtual and cloud), data storage devices, data in use and transmission, networking and security components, as well as operating system kernel, configuration hardening, vulnerability, and patch management. **PREREQUISITE:** CPSC 1400 or CPSC 2180 or ENGR 2003. **OFFERED:** Sem. I.
- 2320 C++ Programming** 1 hr. (0, 2)  
Introductory course in C++ programming for students who know a different high-level language. The course introduces the C++ syntax and semantics of functions, classes, and parts of the standard template library (STL). Hands-on projects use the C++ language to solve mathematical and engineering problems. **PREREQUISITE:** ENGR 2310 or CPSC 1500. **OFFERED:** Sem. I.
- 2330 Web Application Development** 4 hrs. (4, 0)  
This course introduces students to a broad range of web application software development tools and technologies. It includes coverage of HTML 5, CSS, and JavaScript. Topics include client and server side web page development, the creation of asynchronous web applications, database access and MVC software design. **PREREQUISITE:** CPSC 2100. **OFFERED:** Sem. II.
- 2420 Computer Architecture** 2 hrs. (1, 2)  
Principles of computer architecture are introduced, including instruction and data representation, fundamentals of assembly language, and low-level operating systems concepts, including registers, memory addressing, caching, the operating system stack, and bus architecture. **PREREQUISITE:** CPSC 1500 or ENGR 2310. **OFFERED:** Sem. II.
- 2430 Programming Languages and Compilers** 2 hrs. (1, 2)  
A survey of programming languages and methods of translation. Topics include programming paradigms, language syntax and lexical analysis, language design choices, and design of compilers. **PREREQUISITE:** CPSC 2500. **OFFERED:** Sem. II.
- 2500 Data Structures and Algorithms** 4 hrs. (3, 2)  
In-depth study of data structures and algorithms, including stacks, queues, and trees through the use of abstract data types to facilitate problem solving. Searching and sorting techniques will be applied to appropriate data structures. **PREREQUISITE:** CPSC 1500 or ENGR 2310. **OFFERED:** Sem. I.

CPSC (cont.)

- 2550 Selected Topics** **2-4 hrs. (arranged)**  
Courses offered periodically on selected topics related to computer science or cybersecurity, and intended for both non-majors and majors within the department. Prerequisites vary according to course content. **REPEAT:** Different topics can be counted towards major electives, up to 6 total credit hours. **OFFERED:** With sufficient demand.
- 2800 Computer Science Internship** **2-4 hrs. (arranged)**  
Participation under professional supervision in business and industry, and experience in a production environment. **CONSENT:** Instructor. **GRADE:** CR/NC.
- 3300 Numerical Analysis** **3 hrs. (3, 0)**  
Introduction to numerical algorithms fundamental to scientific and mathematical computer use. Solutions of transcendental, polynomial, and differential equations; matrix algebra; linear programming; numerical integration and differentiation; Monte Carlo methods; and curve fitting. **PREREQUISITE:** CPSC 1400, MATH 2020. **SAME AS:** MATH 3300. **OFFERED:** Sem. I, 2020-21.
- 3380 Applied Cryptography and Security** **4 hrs. (3, 2)**  
Covers topics in applied cryptography (symmetric and asymmetric), public-key infrastructure, hashing, digital signatures, VPN, confidentiality and identity mechanisms, as well as common cryptographic failures. Protocols for securing data, applications, and network transmissions are covered in hands-on labs. This course covers the technical skills necessary to understand cryptographic standards and assess their implementation. The current state of technology and cybersecurity is also discussed. **PREREQUISITE:** CPSC 1500 or CPSC 2180 or ENGR 2310. MATH 2200 or MATH 2010. **OFFERED:** Sem. I.
- 3410 Computer Networks** **4 hrs. (3, 2)**  
Students will learn the fundamental concepts, technologies, components, and issues related to communications and data networks. The course topics include networking models (OSI and IP), media (wired, wireless, optical), architectures (PAN, LAN/WAN, DMZ, VLAN, subnetting), devices (routers, switches, firewalls), and protocols (IP, TCP, UDP, ICMP). The fundamental concepts behind network security and network related threats are presented. Practical network software programming is covered with hands-on experience in the lab. **PREREQUISITE:** CPSC 2180 or CPSC 2500. **OFFERED:** Sem. I.
- 3500 Design and Analysis of Computer Algorithms** **4 hrs. (4, 0)**  
A study of techniques used in advanced algorithms, including algorithmic approaches such as brute-force, greedy, and divide-and-conquer algorithms, as well as recursive backtracking and dynamic programming. Supporting data structures like trees and graphs are studied, as well as search methods and related algorithms. In addition, the differences between P, NP, and NP-complete problems are discussed. **PREREQUISITE:** CPSC 2500. **OFFERED:** With sufficient demand.
- 3520 Introduction to Artificial Intelligence** **4 hrs. (3, 2)**  
This course introduces a range of topics in artificial intelligence including classical search algorithms, knowledge bases and logical inference, Bayesian networks and statistical inference, and machine learning. Emphasis is given to applications of these techniques. Students are required to implement many of the algorithms discussed throughout the course in the form of multiple larger projects. **PREREQUISITE:** CPSC 2500, MATH 2120 or MATH 4010, MATH 2010. **EXPECTATION:** Strong mathematical background and Python proficiency. **OFFERED:** With sufficient demand.
- 3550 Special Topics** **2-4 hrs. (arranged)**  
Courses offered periodically on special topics related to computer science or cybersecurity, intended for majors within the department. Prerequisites vary according to course content. **REPEAT:** Different topics can be counted towards major electives, up to 6 total credit hours. **OFFERED:** With sufficient demand.
- 3650 Independent Study** **2-4 hrs. (arranged)**  
Independent study under faculty direction. **CONSENT:** Instructor. **REPEAT:** May be repeated.
- 3800 Computer Science Internship** **2-4 hrs. (arranged)**  
Participation under professional supervision in business and industry, and experience in a production environment. **CONSENT:** Instructor. **GRADE:** CR/NC.

CPSC (cont.)

- 4080 Network Security** 3 hrs. (2, 2)  
This class provides students with an understanding of the concepts used in designing a secure network, defending a network, and a familiarity with the tools and techniques that can be used to protect a network from cyber threats. Issues in network forensics are addressed. Students will use packet capturing and logging to diagnose real-world network and security issues. **PREREQUISITE:** CPSC 2300, CPSC 3380, and CPSC 3410. **OFFERED:** Sem. II.
- 4100 Advanced Databases and Big Data Analytics** 4 hrs. (4, 0)  
Lecture and discussion of advanced topics in data management is combined with a student-managed big data concept project. The course emphasizes applying research and planning to provide robust and efficient solutions to common complex big data issues. **PREREQUISITE:** CPSC 2100. **OFFERED:** With sufficient demand.
- 4420 Operating Systems** 4 hrs. (3, 2)  
This course focuses on the fundamentals of operating systems (OS), including how the OS manages processes, memory, I/O, and file management. Process and thread management are emphasized, including synchronization, communication, races, and deadlocks. Virtual memory, virtualization/hypervisors, and disk management are also discussed. With each topic, the security implications and design considerations are thoroughly discussed. **PREREQUISITE:** CPSC 2420 and CPSC 2500. **OFFERED:** Sem. II.
- 4430 Software Engineering** 4 hrs. (3, 2)  
A study of the principles of software design and development through the development of a large group project. Topics include requirements specification, project design and scheduling, security issues, verification, and validation. Software tools will be used for static code analysis, vulnerability scanning, and fuzzing. An emphasis is put on writing secure, high quality software that will work as expected in all circumstances and not be easily susceptible to vulnerabilities. **PREREQUISITE:** CPSC 2100 and CPSC 2500. **RECOMMENDED:** CPSC 2330. **OFFERED:** Sem. I.
- 4480 Cybersecurity Certification** 1 hr. (arranged)  
Students study for a cybersecurity certification exam using prior course experiences and online resources. Students must take the certification exam to earn credit for the course. Eligible certification exams include CompTIA Security+ and EC-Council Certified Ethical Hacker. Student is responsible for required course materials and exam fee. **REPEAT:** May be repeated once for a second certification. Meets the Experiential Learning Requirement of the Liberal Arts catalog. **PREREQUISITE:** Junior standing. **GRADE:** CR/NC. **OFFERED:** As a directed study class only.
- 4800 Computer Science Internship** 2-4 hrs. (arranged)  
Participation under professional supervision in business and industry, and experience in a production environment. **CONSENT:** Instructor. **GRADE:** CR/NC.
- 4950 Senior Design Capstone I** 2 hrs. (1, 2)  
Students will apply software engineering principles through the development of significant projects. Course topics include discussion of ethical issues, career-readiness topics, and networking with guest speakers. **PREREQUISITE:** CPSC 2100 and senior standing. **OFFERED:** Sem. I.
- 4960 Senior Design Capstone II** 2 hrs. (1, 2)  
Students continue to apply software engineering principles, focusing on overall project design, facilitating teamwork, and further building their critical-thinking, written, and oral communication abilities. Meets the Experiential Learning Requirement of the Liberal Arts catalog. **PREREQUISITE:** CPSC 4950. **OFFERED:** Sem. II.

# ENGLISH

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*Prof. Miller Fox, chair; Prof. Elliott, Dr. Imafuji, Dr. C. Miller, Dr. Parks, Prof. Ranfeld*

The academic programs hosted by the English department pursue two objectives: to facilitate students' study of literature within the context of the great humanities and to support students' professional preparation.

Courses in the Literary Studies major develop a dialogue between the past and the present across political, cultural, linguistic, and ideological barriers, covering American, British, and global literature. The study of literature, as it reflects human activity, helps us to understand human values, motives, identity, and social structures. Introductory courses develop necessary skills for critical reading, analytical thinking, scholarly research, linguistic study, and literary interpretation.

Courses in the Writing major engage students through advanced training in expository, argumentative, poetic and narrative writing techniques. The department also offers lower-division writing courses to develop basic skill competencies necessary for success in college-level work.

Courses in the Language Arts Teaching major prepare students to teach composition and literature in middle school or high school classrooms. Courses fulfill requirements for content knowledge and meet standards established by state licensing boards and accreditation bodies.

Additionally, the English department hosts minors in Literary Studies and Writing, both of which are designed to complement any other major on campus.

## LITERARY STUDIES MAJOR (35 hrs.)

- Literature (18 hours)
  - ENGL 2400
  - Plus 5 of the following 6 courses:  
ENGL 2220, 3540, 3560, 3570, 3580, 3320
- Language (3 hours)
  - Choose one: ENGL 3000, 3050
- ENGL 4910 (3 hours)
- Electives (11 hours)
  - Choose from any 2000-level or higher ENGL course, including  
ENGL 3870, 3880

*Credit for internship experience (ENGL 4880) of up to 3 hours may be applied toward the major and must be approved in advance by the department chair.*

*The department strongly recommends adding a Writing major (35 hours) or minor (15 hours) to increase one's competency in writing. The Literary Studies major and Writing major must have a minimum of 15 hours that are unique to each. The Literary Studies major and Writing minor may share up to 3 hours in common.*

*ENGL 1100, 1110, 1120, 1400, and 4700 do not apply to the major.*

## LITERARY STUDIES MINOR (15 hrs.)

- ENGL 2400
- One or more courses from each group:
  - British Literature: ENGL 3320, 3540, 3560
  - American Literature: ENGL 3570, 3580
  - 3000-level writing courses: ENGL 3110, 3120, 3140, 3160, 3180, 3190

*ENGL 1100, 1110, 1120, 1400, and 4700 do not apply to the Literary Studies minor.*

## LANGUAGE ARTS TEACHING MAJOR (44 hrs.)

To fulfill requirements for teaching language arts at the secondary level, students must complete the core requirements as well as the literature courses listed below. In addition to these requirements, students pursuing a teaching major must also meet additional requirements listed in the Department of Teacher Education section of this catalog.

### Core requirements (29 hrs.):

- ENGL 2220, 2400, 3000, 3050, 3580, 3590, 4700, COMM 2200, 4750, PSYC 2100

### Remaining requirements (15 hrs.):

- One course from each of the following pairs (6 hrs.):
  - ENGL 3110 or 3120
  - ENGL 3180 or 3190
- British Literature (6 hrs.): Two courses from ENGL 3320, 3540, 3560
- American Literature (3 hrs.): ENGL 3570

## WRITING MAJORS AND MINOR

The writing majors provide the student with opportunities to develop advanced writing competencies in a range of creative and professional writing arenas.

### WRITING MAJOR (35 hrs.)

- ENGL 4910
- 18-25 hours from ENGL 2500, 2510, 2580, 3000, 3110, 3120, 3140, 3160, 3180, 3190, 3870, 3880, COMM 3220 or COMM 3260
- 3-6 hours from any other ENGL course level 2000 or higher, not listed above.
- ENGL 4800: 1-3 hours of writing internship experience (required of all writing majors and must be approved in advance by the department chair).
- 3-4 hours from ARTS 2100, ARTS 1250, COMM 2240, CPSC 1100, CPSC 1200

*Please note if a student chooses to also pursue the Literary Studies major, the Writing major and the Literary Studies major may share in common up to 15 credit hours. In practice, however, given each major's requirements, it is likely that they will share fewer hours in common.*

### WRITING MINOR (15 hrs.)

Courses may be selected from the following:

- ENGL 2500, 2510, 2580, 3000, 3110, 3120, 3140, 3160, 3180, 3190, 3870
- COMM 2130 or FREN 3240 or SPAN 3010 or MUBS 2070

### SONGWRITING MAJOR (44 hrs.)

In cooperation with the School of Music, Theatre, and Dance, the following major is offered for those interested in songwriting. English department offerings comprise 14 hours of the major.

- MUSC 1010, 1030, 2110
- MUPF 1050
- 2 hours of MUPF 2900
- 2 hours of applied music study
- MUBS 2010, 2020, 2070, 4500
- 6 hours from MUBS 3100, 3210, 3220, 3310, 4800, 4900; BSNS 3330, 3360
- ENGL 2400, 2500, 3120
- 6 hours from ENGL 2580, 3320, 3540, 3560, 3570

## ENGL Courses

- 1100 Rhetoric and Composition - Basic** 4 hrs. (4, 0)  
Designed for students who need supplemental help with writing skills. Focuses on theory and practice of expository writing based on experience and observation. Emphasizes development of functional and flexible writing processes for a range of purposes and audiences. Includes assigned readings. Requires attention to sentence style, diction. Grade of C- or better is required.
- 1110 Rhetoric and Composition** 3 hrs. (3, 0)  
Focuses on theory and practice of expository writing based on experience and observation. Emphasizes development of functional and flexible writing processes for a range of purposes and audiences. Includes assigned readings. Grade of C- or better is required.
- 1120 Rhetoric and Research** 3 hrs. (3, 0)  
Focuses on theory and practice of writing based on external sources. Emphasizes library, electronic, and primary research sources and methods. Satisfies writing skill requirement for graduation. Does not satisfy Advanced Writing Competency requirement. Grade of C- or better is required. **PREREQUISITE:** Grade of C- or better in ENGL 1100 or ENGL 1110.
- 1400 Valuing Through Literature** 3 hrs. (3, 0)  
Examines literature from a variety of cultures and time periods. Works are selected and discussed in terms of value systems and ethical issues presented in them. ENGL 3590 can be used to satisfy requirements met by ENGL 1400.
- 2220 Global Literature** 3 hrs. (3, 0)  
Surveys representative 20th-century and contemporary literature from the several inhabited continents. Seeks to explore both the diversity and commonality of the global community in the social, political, ethical, and cultural dimensions. This course applies to the liberal arts speaking-intensive requirement.
- 2400 Introduction to Literary Studies** 3 hrs. (3, 0)  
Examines works in English, American, and world literature to help students learn to read poetry, fiction, and drama for maximum enjoyment, appreciation, and understanding. Emphasis on critical analysis of literature and applying these skills in written work as well as discussion. Major scholarly approaches to literature introduced. Required of all English majors. Strongly recommended as first literature course in the major.
- 2500 Appreciation of the Writing Craft** 2 hrs. (2, 0)  
Defines and analyzes the fundamental elements and writing techniques of various creative genres, such as short fiction, poetry, literary nonfiction, and/or drama. This course applies to the liberal arts writing-intensive requirement. Strongly recommended as a prerequisite to ENGL 3110, 3120, or 3180. **PREREQUISITE:** Grade of C- or above in ENGL 1120.
- 2510 Creative Writing Workshop** 1 hr. (1, 0)  
Offers students a workshop setting in which to experiment with writing techniques to produce original poetry, short fiction, drama, or literary nonfiction. **PREREQUISITE:** Grade of C- or above in ENGL 1120. **COREQUISITE:** ENGL 2500.
- 2580 The Spiritual Practice of Writing** 3 hrs. (3, 0)  
Examines the techniques writers use in the practice of writing as a spiritual discipline. Advances students' understanding of this discipline as it is exercised in a variety of literary forms, including poetry, personal essay, spiritual meditation, prayer, and devotions, and provides opportunities for students to practice these literary techniques in their own spiritual writing. **OFFERED:** 2021-22.
- 3000 Grammar and Style** 3 hrs. (3, 0)  
Studies the English language by focusing on contemporary descriptive grammar and morphology. Students will apply course concepts to improve their own writing style. Course designed for writing majors and teaching majors. Required for language arts teaching majors. **PREREQUISITE:** Grade of C- or above in ENGL 1120. **OFFERED:** 2022-23.
- 3050 History of the English Language** 3 hrs. (3, 0)  
Investigates the origins and development of the English language. Particular emphasis on social and political forces that have influenced the development of the language. This course applies to the liberal arts writing and speaking-intensive requirement. **PREREQUISITE:** Grade of C- or above in ENGL 1120. **OFFERED:** 2023-24.

ENGL (cont.)

- 3110 Creative Writing: Fiction** 3 hrs. (3, 0)  
Emphasizes techniques writers use in various modes of short fiction. Attention to the vocabulary and techniques of the fiction writer's craft applied theoretically in analysis of published literary short stories and applied practically in students' own creative endeavors in short fiction. This course applies to the liberal arts writing-intensive requirement. **EXPECTATION:** ENGL 2500 strongly recommended as a prerequisite. **PREREQUISITE:** Grade of C- or above in ENGL 1120. **OFFERED:** 2022-23.
- 3120 Creative Writing: Poetry** 3 hrs. (3, 0)  
Emphasizes techniques writers use in various modes of poetry. Attention to the vocabulary and techniques of poet's craft applied theoretically in analysis of published literary poetry and applied practically in students' own creative endeavors in poetry. This course applies to the liberal arts writing-intensive requirement. **EXPECTATION:** ENGL 2500 strongly recommended as a prerequisite. **PREREQUISITE:** Grade of C- or above in ENGL 1120. **OFFERED:** 2021-22.
- 3140 Writing and Digital Media** 3 hrs. (3, 0)  
Advances students' professional writing skills by developing four key digital literacies: interacting with, analyzing, researching, and producing digital media. Includes a focus on rhetorical and professional writing theory. Students will examine the role language plays in digital spaces and will gain skills to produce quality writing in digital spaces. This course applies to the liberal arts writing-intensive requirement. **PREREQUISITE:** Grade of C- or above in ENGL 1120. **OFFERED:** 2022-23.
- 3160 Professional Writing and Editing** 3 hrs. (3, 0)  
Focuses on reader-centered approaches to develop skills necessary in professions that require strong writing and editing ability. Designed for students of varied academic majors and occupational interests. This course applies to the liberal arts writing-intensive requirement. **PREREQUISITE:** Grade of C- or above in ENGL 1120.
- 3180 Composing Nonfiction** 3 hrs. (3, 0)  
Explores the processes of nonfiction writing and the variety of "forms" that are available to nonfiction writers. Matters of style and voice will be examined closely. This course applies to the liberal arts writing-intensive requirement. **EXPECTATION:** ENGL 2500 strongly recommended as a prerequisite. **PREREQUISITE:** Grade of C- or above in ENGL 1120. **OFFERED:** 2022-23.
- 3190 Composing Arguments** 3 hrs. (3, 0)  
Explores various models of argument, including persuasion, advocacy, consensus building, and classical rhetoric. Focuses on analyzing and composing multiple genres. Examines audience accommodation, research, tone, and revision. This course applies to the liberal arts writing-intensive requirement. **PREREQUISITE:** Grade of C- or above in ENGL 1120. **OFFERED:** 2021-22.
- 3320 Shakespeare** 3 hrs. (3, 0)  
Analyzes the poetry and several representative dramas within their historical context. Areas of emphasis will include Ovidian influences, early modern culture, and pedagogy. **PREREQUISITE:** Grade of C- or above in ENGL 1120. **OFFERED:** 2021-22.
- 3540 Studies in Early British Literature** 3 hrs. (3, 0)  
Surveys masterpieces of medieval and early modern British literature. The focus and themes of the course, as well as authors and texts, will vary with each iteration of the course. Readings will highlight the imagination, poetics, and politics of authors such as Chaucer, Kempe, Shakespeare, Donne, Milton, and Behn, among others. **PREREQUISITE:** Grade of C- or above in ENGL 1120. **OFFERED:** 2022-23.
- 3560 Studies in Later British Literature** 3 hrs. (3, 0)  
Surveys masterpieces of Romantic, Victorian, and Modern British literature. The focus and themes of the course, as well as authors and texts, will vary with each iteration of the course. Readings will highlight the imagination, poetics, and politics of authors such as Wordsworth, Austen, Dickens, Yeats, Woolf, Pinter, among others. **PREREQUISITE:** Grade of C- or above in ENGL 1120. **OFFERED:** 2021-22.
- 3570 Studies in American Literature** 3 hrs. (3, 0)  
Surveys masterpieces of early and Modern American literature. The focus and themes of the course, as well as authors and texts, will vary with each iteration of the course. Readings will highlight the imagination, poetics, and politics of authors such as Hawthorne, Melville, Wharton, Chopin, Hemingway, Faulkner, Baldwin, Morrison, Wilson, among others. **PREREQUISITE:** Grade of C- or above in ENGL 1120. **OFFERED:** 2022-23.

ENGL (cont.)

- 3580 American Ethnic Literature** 3 hrs. (3, 0)  
Examines contemporary American poetry, fiction, and nonfiction, focusing on themes prominent in the literature of cross-cultural authors, such as assimilation, cultural adaptation, discrimination, identity formation, intergenerational family conflicts, oppression in the homeland, and linguistic challenges. This course applies to the liberal arts writing-intensive requirement. **PREREQUISITE:** Grade of C- or above in ENGL 1120. **OFFERED:** 2021-22.
- 3590 Teaching Diversity through Young Adult Literature** 3 hrs. (3, 0)  
Provides secondary, middle, and upper elementary pre-service teachers with a wide variety of experiences in reading, analyzing, and discussing texts written specifically for young adults. Grade of C or better required. This course applies to the liberal arts Aesthetic Ways of Knowing and writing-intensive requirements.
- 3870 Literary Arts Practicum** 1 hr. (arranged)  
Allows students to work with a faculty consultant in producing an annual campus literary arts magazine. Activities include selecting materials, editing, promoting, and selling the magazine. **PREREQUISITE:** Grade of C- or above in ENGL 1120. **REPEAT:** May be repeated. Total credit not to exceed four hours. **GRADE:** CR/NC.
- 3880 Writing Tutor Practicum** 1 hr. (arranged)  
Prepares students to be exceptional writing tutors, including in the Kissinger Academic Center for Excellence. Students will examine the various strategies of writing tutoring and how a writing center can best serve the needs of diverse student populations. **PREREQUISITE:** Grade of C- or above in ENGL 1120. **REPEAT:** May be repeated. Total credit not to exceed four hours. **CONSENT:** Instructor.
- 4000 Special Topics in Literature** 3 hrs. (3, 0)  
Examines discrete literary areas and topics not included in the current offerings. Previous topics have included the literature of the American South, American nature writing, the fiction of Thomas Hardy, and Christian writers. **PREREQUISITE:** Grade of C- or above in ENGL 1120. **REPEAT:** May be repeated. Total credit not to exceed six hours. **OFFERED:** On Demand.
- 4650 Independent Study** 1-4 hrs. (arranged)  
Individualized projects for upper-division students. **PREREQUISITE:** Upper-division standing.
- 4700 Methods of Teaching English** 3 hrs. (3, 0)  
Surveys methods, materials, and resources used in teaching composition, language, and literature in middle schools and high schools. This course applies to the liberal arts writing-intensive requirement. **EXPECTATION:** Should be taken in conjunction with COMM 4750. **OFFERED:** Sem. I.
- 4800 Internship in Writing** 1-3 hrs. (arranged)  
Allows students with approval of department chair and cooperating business or non-profit enterprises to choose from a variety of paid and non-paid experiences in writing, preparing them for jobs in which the ability to write well is a major component.
- 4910 Senior Capstone Seminar** 3 hrs. (3, 0)  
Requires all senior-level English majors and writing majors to complete a comprehensive project that draws on the knowledge, skills, concepts, and methods they have accumulated through study in the other courses taken for the major. The project prepares them for work in graduate school, professional organizations, the literary marketplace, or corporate settings. This course applies to the liberal arts writing-intensive requirement. **PREREQUISITE:** Senior standing with a major in English or writing.

# GENERAL STUDIES

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*Prof. Carrie Clay, director*

Anderson University offers a general studies major leading to a Bachelor of Arts degree and an Associate of Science degree in general studies. Students interested in pursuing the general studies major must have a plan of study approved by the program director before admission to the major is granted. Students majoring in general studies must complete all liberal arts core requirements. Additionally, students must complete a concentration of courses in one subject area. The subject area may be broadly defined as courses in common disciplines (i.e. science, foreign language, business, etc.). Student proposals for the concentration must be submitted to the program director for approval.

## GENERAL STUDIES MAJOR

- 30 hours in concentration area
- LART 4500

Additional requirements for Bachelor of Arts degree:

- at least 30 hours from upper-division courses
- at least 60 hours must be completed at Anderson University
- 40-43 hours of liberal arts core requirements
- complete 120 hours

## ASSOCIATE OF SCIENCE: GENERAL STUDIES

This two-year Associate of Science degree provides foundational courses for the university's bachelor's degrees. The curriculum assumes proficiency in writing at the ENGL 1100 or 1110 level and in mathematics at the MATH 1000 level.

- 15-18 hours in a concentration area in any discipline to be approved by your academic advisor. Online students may take concentrations in Business, Business Administration and Leadership, History, or Sociology.
- At least 30 hours of the liberal arts core curriculum requirements from the following categories: ENGL 1100 or 1110, ENGL 1120, COMM 1000, Quantitative Reasoning, BIBL 2000, Personal Wellness, Scientific Ways of Knowing, Civic Ways of Knowing, Aesthetic Ways of Knowing, and Social and Behavioral Ways of Knowing
- At least 30 hours must be completed at Anderson University.
- Students must complete 60 hours and also meet other graduation requirements as listed in this catalog.

# HISTORY AND POLITICAL SCIENCE

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*Dr. Rogers, chair; Dr. Dirck, Dr. Frank (pre-law advisor), Dr. Murphy, Dr. Sutton, Dr. Varner; Prof. Cassell, Prof. Dowd*

## HISTORY

The traditional model of education in history has been to prepare history majors for possible graduate-level work and offering history and education majors the necessary comprehensive understanding of history subjects to pursue careers in education. Such is the model for both lower- and upper-level coursework in history, not only at Anderson University but nearly all liberal arts universities.

This is as it should be, and we certainly do not neglect these goals. However, the history faculty of Anderson University believe it critical for students to think holistically and deliberately integrate into our traditional historical fare broader theoretical issues and life skills – particularly communication and critical-thinking skills – that students will find useful and marketable.

Accordingly, our course offerings pursue three primary goals:

- Historical content and critical-thinking skills: The traditional matter of a history course focuses on major events, themes, people, etc. Students will continue to receive a strong and comprehensive education in the bread-and-butter topics that have always defined the history discipline.
- Theoretical content and critical-thinking skills: Particularly in upper-division history courses, the broader themes and issues which are rooted in historical events and issues also focus to speak directly to present as well as past concerns, such as the promise and problems of democracy, the nature of community, global affairs, and the various challenges related to writing and understanding biography.
- Writing and communication skills: Upper-level history courses in particular place an emphasis on developing the student's communication skills but with different variations for each course, such as traditional term papers; a series of brief, shorter papers culminating in a larger project; personal interviews; ethical and professional use of electronic communications such as Twitter; archival research; and/or writing projects pursued in coordination with experiential and technology-driven components.

The history degree prepares students for graduate and law school; careers in public service, museums, archives, and nonprofit associations; education; and many other diverse fields.

## HISTORY MAJOR (36 hrs.)

### Foundational Courses (18 hrs.):

- One from HIST 2030, 2040
- One from HIST 2110, 2120
- HIST 2000, 2300, 2350, 4800 (2 hours), 4930 (1 hr.)

### American History Courses (6 hrs.):

- Two from HIST 3420, 3425, 3440, 3451, 3452, 3470, 3510, 3520, 3540, 3560, 4030

### European History Courses (6 hrs.):

- Two from HIST 3100, 3135, 3150, 3190, 3220, 3280

### World History Courses (6 hrs.):

- Two from HIST 3240, 3250, 3260, 3300, 3360, 3370

## HISTORY MINOR (15 hrs.)

- Selected from HIST courses; at least 2 courses from 3000- and 4000-level listings
- HIST 4700 does not apply toward the minor

## **PUBLIC HISTORY MAJOR (59-60 hrs.)**

The public history major and minor prepares students who wish to work in the field of history outside the classroom, in settings where history is encountered by the public: museums, community history centers, national parks and historical sites, and many more settings. Public historians – museum staff and curators, government historians, archivists, historical site interpreters, preservationists – come from a variety of disciplines.

Preparation for work in public history is therefore, and necessarily, interdisciplinary, as it prepares individuals to preserve and transmit our past to the non-academic public.

- Completion of the History Major (36 hrs.)
- Two courses (5-6 hrs.) from BSNS 2710, BSNS 2810, COMM 3250
- COMM 2240
- ARTH 2000
- ARTS 1250
- HIST 3480
- HIST 3490
- One course (3 hrs.) from COMM 3370, BSNS 4400

## **PUBLIC HISTORY MINOR (18 hrs.)**

### Required (12 hrs.):

- HIST 2350, ARTH 3480, HIST 3490, 4800 (3-hr. internship)

### Remaining 6 hours from at least two of the following:

- ARTH 2000
- ARTS 1250
- BIBL 3310
- BSNS 2710
- COMM 2240
- COMM 3370
- MUSC 2210

## **POLITICAL SCIENCE**

The political science program offers three majors, each of which is designed to transform students with an interest in or concern for politics into graduates who can understand, evaluate, manage, and shape political events and governmental actions in a manner consistent with a Christian faith perspective.

The majors offered by the political science program provide excellent training for a variety of careers. Recent graduates are working in government (national, state, and local), law, electoral politics, nonprofits, and business.

Students in the political science program are expected to successfully complete the foundational courses before attempting upper-division coursework. They are also strongly encouraged to pursue a minor or a second major in one or more of the following: history, economics, foreign languages, journalism, legal studies, peace and conflict transformation, psychology, sociology, or women's studies. Minors or second majors should be selected only after consultation with a political science program advisor. Students are also encouraged to consider completing an internship or taking a semester to participate in an off-campus program. Appropriate opportunities can be identified by consulting a political science program advisor.

## POLITICAL SCIENCE MAJOR (36 hrs.)

### Foundational courses (16 hrs.):

- POSC 2020, 2100, 2200, 2400
- MATH 2120

### American Politics courses (6 hrs.):

- Two from POSC 3140, 3211, 3212

### International Relations and Comparative Politics courses (6 hrs.):

- Two from POSC 3300, 3400, 3510

### Senior Capstone course (1 hr.):

- POSC 4930

### Electives (7 hrs.):

- Remaining hours from additional POSC courses; at least 6 hours from upper-division courses

*No more than 5 hours from POSC 2810, 4800, 4810, 4820 may be applied toward the major.*

## POLITICAL SCIENCE, PHILOSOPHY, AND ECONOMICS MAJOR (54 hrs.)

### Foundational courses (29 hrs.):

- POSC 2020, 2100, 2200, 2400, 2420
- MATH 2120
- ECON 2010, 2020
- PHIL 2000, 2120

### Advanced courses (12 hrs.):

- POSC 3510
- ECON 3410
- PHIL/POSC/HIST 3010
- PHIL/RLGN 3250

### Senior Capstone course (1 hr.):

- POSC 4930

### Electives (12 hrs.):

- Remaining hours from additional upper-division POSC, PHIL, or ECON courses, or from BIBL 3420 or RLGN 3120

*No more than 3 hours from POSC 4800, 4810, 4820 may be applied toward the major.*

## INTERNATIONAL RELATIONS MAJOR (42-43 hrs.)

### Foundational courses (16 hrs.):

- POSC 2020, 2200, 2400, 2580
- MATH 2120

### Advanced courses (6 hrs.):

- POSC 3300, 3510

### Modern Foreign Language courses at the collegiate level (11-12 hrs.) from the following:

- Three from SPAN 2010, 2020, 3010, 3020, 3101, 3102, 3103, 3104, 3110, 3140, 3200, or 3240; courses must be above the number used to fulfill the language requirement of the Liberal Arts Curriculum
- Critical language courses taken at institutions or programs approved by the department

### Senior Capstone course (1 hr.):

- POSC 4930

Electives (8 hrs.) from:

- BSNS 3120, 4120, 4250
- ECON 3210, 3410
- FLAN 2000, 3400
- HIST 3240, 3250, 3260, 3300, 3360, 3370, 3520
- PACT 2300, 2400
- POSC 3212, 3310, 3320, 3330, 3400, 3450, 4820
- RLGN 3020
- RLGN/HIST 3320
- SPAN 3400, 3440

**NATIONAL SECURITY MAJOR**

- See Security Studies section in this catalog.

**POLITICAL SCIENCE MINOR (15 hrs.)**

- POSC 2020, 2100
- Remaining hours from additional POSC courses; at least 6 hours from upper-division courses

*No more than 3 hours from POSC 2810, 4800, 4810, 4820 may be applied toward the minor.*

**INTERNATIONAL RELATIONS MINOR (15 hrs.)**

- POSC 2020, 2580, 3300, 3510
- Remaining hours from POSC 3310, 3320, 3330, 3400, 3450

**LEGAL STUDIES MINOR (15 hrs.)**

The legal studies minor is designed in accordance with the statement on pre-law preparation, developed by the Pre-Law Committee of the American Bar Association Section of Legal Education and Admissions to the Bar, to help students develop the analytical, writing, research, and oral communication skills necessary to succeed in law school and beyond.

- POSC 2210, 4810
- ENGL 3190
- One from BSNS 3420; COMM 4000; CRIM 3110; POSC 3250
- One from BIBL 3420; PHIL 2120, 3250; POSC/HIST/PHIL 3010; RLGN 3120, 3250

Students are expected to complete POSC 2210 before POSC 4810. In addition to these courses, students are encouraged to develop their oral presentation skills through COMM 2880 or by participating in Model UN or the debate team, and to further develop their analytical skills through MATH 2200, ACCT 2010, and additional courses in mathematics and economics.

**SOCIAL STUDIES TEACHING**

To fulfill requirements for teaching social studies at the senior high/middle school level, students must complete specific courses in two teaching fields and in professional education. The required teaching fields are historical perspectives and government and citizenship. Students are strongly encouraged to pursue a third field of licensure in economics, psychology, sociology, or special education. All courses listed for historical perspectives, and some courses listed for government and citizenship, economics, psychology, and sociology, meet the standards for social studies teaching, as established by the National Council for the Social Studies, thus preparing candidates to teach the following criteria: culture and cultural diversity; continuity and change; people, places, and environment; individual development and identity; individuals, groups, and institutions; power, authority, and governance; production, distribution, and consumption; science, technology, and society; global connections; and civic ideals and practices.

In addition to these requirements, students pursuing a teaching major must also meet additional requirements listed in the Department of Teacher Education section of this catalog. Social Studies Secondary Education majors should fulfill the Liberal Arts category of “Aesthetic Ways of Knowing” by successfully completing ENGL 1400 or ENGL 3590.

## SOCIAL STUDIES TEACHING MAJOR (51 hrs.)

### Foundational courses (12 hrs):

- HIST 4700, ECON 2010, PSYC 2000, SOCI 2010

### Historical Perspectives (27 hrs.):

- 12 hours of U.S. History:
  - HIST 2110, 2120
  - Remaining hours from HIST 3420, 3440, 3451, 3452, 3470
- 6 hours of European History:
  - HIST 2030 or 2040
  - Remaining hours from HIST 3010, 3100, 3135, 3150, 3190, 3220, 3240
- 6 hours of Global History:
  - HIST 2000
  - Remaining hours from 3260, 3280, 3300, 3320, 3360, 3370
- Additional 3-hour course from 3000 level of either European History or Global History

### Government and Citizenship (12 hrs):

- 12 hours of Political Science
  - POSC 2020, 2100, 2580
  - Remaining hours from POSC 2120, 3010

## HIST Courses

- |             |   |                      |
|-------------|---|----------------------|
| <b>2000</b> | <b>History of World Civilization</b>  | <b>3 hrs. (3, 0)</b> |
|             | Examination of the history of the non-Western world of Asia, the Middle East, Africa, and Latin America. Emphasizes patterns of development; religion and culture; political, economic, and social issues; and historical and current problems. Required of all social studies teaching majors. <b>OFFERED:</b> Sem. I.   |                      |
| <b>2030</b> | <b>Western Civilization I</b>   | <b>3 hrs. (3, 0)</b> |
|             | Examination of major themes in the development of Western civilization. Special attention is given to intellectual and cultural heritage of the classical world and to the transmission of the classical heritage to the modern world. <b>OFFERED:</b> Sem. I.  |                      |
| <b>2040</b> | <b>Western Civilization II</b>  | <b>3 hrs. (3, 0)</b> |
|             | Examination of major themes in the development of Western civilization. Special attention is given to the expansion of the West, the development of modern political ideologies, and the historical impact of economic modernization. Examines the period from the 16th century to the present. <b>OFFERED:</b> Sem. II.  |                      |
| <b>2050</b> | <b>The West and Modern World</b>  | <b>3 hrs. (3, 0)</b> |
|             | Contemporary global cultural and economic interaction has its roots in the relationship that has evolved over the last five centuries between the West and the non-Western world. Our complex 21st-century world, characterized by phenomena including mass popular culture, industrialized economies, democratic as well as totalitarian political movements, and the globalization of major religions, can only be properly understood within the context of its historical development. <b>PREREQUISITE:</b> Adult student status. <b>CONSENT:</b> Departmental. <b>OFFERED:</b> With sufficient demand. |                      |
| <b>2110</b> | <b>American Civilization I</b>  | <b>3 hrs. (3, 0)</b> |
|             | American civilization from the first English settlements through the Civil War: artistic, intellectual, literary, social, economic, political, and religious currents in American life. Required of all social studies majors. <b>OFFERED:</b> Sem. I, II.  |                      |

## HIST (cont.)

- 2120 American Civilization II** 3 hrs. (3, 0)  
American civilization from Reconstruction to present: artistic, literary, intellectual, social, economic, political, and religious currents in American life. Required of all social studies majors. **OFFERED:** Sem. I, II.
- 2300 Historical Inquiry** 3 hrs. (3, 0)  
Examines various approaches to historical research, major bibliographical tools, varieties of history, and philosophies of history. This course applies to the liberal arts speaking-intensive requirement. **OFFERED:** Sem. I, 2021-22.
- 2350 Foundation of Public History** 3 hrs. (3, 0)  
Required introduction for students in public history, examining the role and function of the public historian, the conditions of the primary settings in which history is presented to the broader public, and contemporary theory and practice in the discipline. This course applies to the liberal arts speaking-intensive requirement. **OFFERED:** Sem. II, 2021-22.
- 3010 History of Political Thought** 3 hrs. (3, 0)  
Examination of major works in the development of political thought from ancient Greece through the 20th century. Theorists studied include Plato, Aristotle, St. Augustine, Machiavelli, Hobbes, Locke, Rousseau, and Mill. Particular emphasis is placed on the practical consequences of ideas for contemporary leaders in politics and society. **PREREQUISITE:** Sophomore standing. **SAME AS:** PHIL/POSC 3010. **OFFERED:** Sem. II, 2021-22.
- 3060 History of Christianity** 3 hrs. (3, 0)  
Comprehensive survey of the history of Christianity. An effort is made to trace main lines of development and to understand them in light of their inner dynamics and general environment. **SAME AS:** RLGN 3060. **OFFERED:** Sem. I.
- 3100 Ancient History** 3 hrs. (3, 0)  
Study of ancient Greek and Roman civilizations. Particular attention is devoted to social and political history of both societies and to a consideration of their lasting cultural bequest to the West. **OFFERED:** Sem. I.
- 3135 Medievalism and Reform: Europe from Charlemagne to Luther** 3 hrs. (3, 0)  
European civilization beginning with the medieval recovery from Rome's collapse to the Reformation and the age of religious wars. Treating the millennium between the Carolingian monarchs and the age of the great reformers, the course examines the emergence of new states, the first Agricultural Revolution, the creation of the vibrant culture of Christendom, the Crusades and Black Death, and the burst of cultural, political and economic vitality characteristic of the Renaissance and Reformation. **SAME AS:** RLGN 3135.
- 3150 Europe since 1870** 3 hrs. (3, 0)  
Political, economic, and intellectual developments in recent Europe. Also examines the unique characteristics of modern European culture and artistic development. **OFFERED:** Sem. I, 2022-23.
- 3190 Jewish Holocaust and its Historical Context** 3 hrs. (3, 0)  
Examines the destruction of European Jewry by the government of Nazi Germany from 1933 to 1945. Topics include the history of anti-Semitism in Europe, National Socialist racial ideology, Jewish resistance, attitudes of churches toward Nazi policies, development of death camps as the "final solution," and non-Jewish victims of Holocaust terror. **PREREQUISITE:** Upper-division standing. **OFFERED:** Sem. I, II.
- 3220 The Age of World Wars, 1900-1950** 3 hrs. (3, 0)  
Examines the onset, course, and consequences of the two world wars that devastated Europe in the first half of the 20th century; the roles of the United States in the wars and America's emergence as a global power; the transformation of the position of women in Western societies; the beginning of the era of colonial liberation; the ideological division of the West for half a century; and genocides in Armenia, the Ukraine, and Nazi-occupied Europe and the foundation of the state of Israel in the aftermath of the Holocaust. **PREREQUISITE:** Upper-division standing. **OFFERED:** Sem. II, 2021-22.

## HIST (cont.)

- 3240 History of Russia and the Soviet Union** **3 hrs. (3, 0)**  
Examines the development of the Muscovite state and the rise of the Russian “federation” and tsarist system, imperial ambitions and an unruly empire, the influence of the Orthodox Church and its symbiotic relationship with the government, Russian literature and music as a reflection of Russian culture, the revolutions of 1905 and 1917 and the subsequent rise of the Soviet Union, the Cold War, and the downfall of the Soviet Union and its consequent splintering into 15 separate republics. **PREREQUISITE:** Upper-division standing. **OFFERED:** Sem. I, 2021-22.
- 3250 History of the Cold War** **3 hrs. (3, 0)**  
Examines at length the roots of the Cold War; the tension between the United States and the Soviet Union, particularly after the conclusion of World War II, and the causes of the continued strained relations; the national and cultural influence of the Cold War (the Red Scare and the space race, to name just two); the impact of the Cold War on global relations and decolonization in the Third World, and the benefits and/or limitations of alignment; the historiography of Cold War schools of thought; why and how the Cold War ended; and the long-term impact of the Cold War. Particular emphasis is placed on the need to understand, in a non-biased manner, the positions and influences of the nations involved. **OFFERED:** Sem. II, 2021-22.
- 3260 Women in the World, 1800 to Present** **3 hrs. (3, 0)**  
This course covers a broad history of the role of women throughout the world from approximately the end of the 18th century to modern times. A brief examination of the lives of western women will provide a basis for discussion of the political, cultural, economic, and theological influences on women in Asia, Africa, and the Middle East specifically, with additional attention being paid to women in Latin America and India. Considerable time will be spent discussing the changing roles of women over the course of two centuries. This course applies to the liberal arts writing-intensive requirement. **PREREQUISITE:** Upper-division standing. **OFFERED:** Sem. I, II.
- 3280 The Age of Global Empires** **3 hrs. (3, 0)**  
Considers European expansion in the 19th century and the consequences of that interaction on three continents — Europe, Asia, and Africa. Examines French, British, American, Dutch, and Italian empires; gauges the impact of Western intrusion upon indigenous societies; and considers the ways in which the colonized peoples understood what was happening, as well as the outside world’s impact upon the West. **PREREQUISITE:** Upper-division standing.
- 3300 Middle East** **3 hrs. (3, 0)**  
Survey of Middle Eastern history since the rise of Islam. Emphasis on the 18th century to the present, including the impact of the West on the Middle East. This course applies to the liberal arts writing-intensive requirement. **PREREQUISITE:** Upper-division standing. **OFFERED:** Sem. II, 2021-22.
- 3320 World Religions** **3 hrs. (3, 0)**  
Introduction to the major tenets and cultural expressions of selected religions, such as Islam, Taoism, Buddhism, Jainism, Hinduism, Judaism, and Christianity. Religions are compared and contrasted thematically, structurally, and culturally. Emphasis is placed on the interdependence of religions and cultures, and on what it means to be a responsible citizen in a globalized world. **SAME AS:** RLGN 3320. **OFFERED:** Sem. II.
- 3360 History of Modern Asia** **3 hrs. (3, 0)**  
This course focuses on the histories of China, Japan, Korea, India, and Vietnam, including the foundational values (religions, philosophies, and customs) of each culture; their political and economic structures; their struggles to retain autonomy against Western encroachment as well as their inter-Asian rivalries and cooperation; the challenges of preserving historical traditions and values in a modern world, particularly when tempted by the rapid technological advancement of the 19th century; 20th century conflicts (including two world wars, the Korean War, the Vietnam War, and the Cold War); and current issues faced by these countries in the 21st century.
- 3370 General History of Latin America** **3 hrs. (3, 0)**  
Pre-Columbian civilizations and the results of their clash with European cultures, formation of Latin American culture and character, past and present movements for political and economic independence, and the role of the United States in shaping the current socioeconomic situation. **PREREQUISITE:** Upper-division standing.

## HIST (cont.)

- 3420 American Religious History** 3 hrs. (3, 0)  
Comprehensive survey of diverse American religious experiences in the past and present. A study of various historic forms of Christianity, Judaism, Eastern faiths, and indigenous American religions, as well as unifying religious forces, such as "civil religion." **SAME AS:** RLGN 3420.
- 3425 Slavery and Freedom in the Modern World, 1800 to the Present** 3 hrs. (3, 0)  
This course examines the institutions of slavery and their demise during the "Age of Emancipation" in the 19th century, focusing particular attention on the emancipation process in the United States, England, Brazil, and the Caribbean. Also connects these historical events and debates to modern debates regarding liberty, forced labor and Christian ethics in the modern era. This course applies to the liberal arts writing-intensive requirement. **OFFERED:** Sem. I, 2021-22.
- 3440 Civil War and Reconstruction** 3 hrs. (3, 0)  
An examination of the coming of the Civil War, the major figures in the North and the South, issues related to the conduct of the war, and the reconstruction of the nation following its conclusion. This course applies to the liberal arts writing-intensive requirement. **PREREQUISITE:** Upper-division standing.
- 3451 United States from the Gilded Age to 1945** 3 hrs. (3, 0)  
Focuses on the political, economic, social, psychological, and diplomatic influences that contributed to the United States emerging as the dominant world power in the 20th century. Particular emphasis is placed on the triple motivations — national security, economic health, and moral duty — that traditionally have driven American foreign policy. This course applies to the liberal arts writing-intensive requirement. **PREREQUISITE:** Upper-division standing. **OFFERED:** Sem. I, 2021-22.
- 3452 United States from 1945 to the Present** 3 hrs. (3, 0)  
Focuses on U.S. history as the country emerged as the dominant power following World War II and faced a new struggle with the Soviet Union that became known as the Cold War. Particular attention will be given to the economic, geographic, and ideological threats — real and perceived — that influenced the decision-making process regarding foreign policy. Emphasis will also be placed on topics such as the Baby Boom, Johnson's Great Society, Civil Rights, the Women's Movement, and efforts of other groups to gain recognition, economic cycles, and political events. This course applies to the liberal arts writing-intensive requirement. **PREREQUISITE:** Upper-division standing. **OFFERED:** Sem. II, 2021-22.
- 3470 The American West** 3 hrs. (3, 0)  
A comprehensive examination of the history of the American West from the Louisiana Purchase to present day. Introduces issues of American expansion and settlement, relations with Native Americans and other peoples of color, and patterns of economic and cultural interaction and conquest in the Trans-Mississippi region. This course applies to the liberal arts writing-intensive requirement. **PREREQUISITE:** Upper-division standing.
- 3480 Introduction to Archival Theory and Practice** 3 hrs. (3,0)  
A comprehensive course providing a broad range of knowledge and practical skills for those desiring work in a variety of fields, to include museums, archives, and government research. Course includes: an introduction to the history of archives and how they fit into library and museum institutions; acquisition, evaluation, and arrangement of archival material; cataloging, digital methods, and the use of archival programs; records management and terminology of archivists. **OFFERED:** Sem. I.
- 3490 Archival Presentation and Preservation** 3 hrs. (3,0)  
Provides an introduction to the foundations of preservation and exhibit strategies; causes of deterioration of museum objects and best practices for limiting or preventing loss; preservation of collections; museum and other historical venues as a means to educate and challenge the public; the use of space and visual presentation for exhibits. **OFFERED:** Sem. II.
- 3510 Law, the Constitution, and War in American History, 1787 to present** 3 hrs. (3, 0)  
Examines the historical development of legal and constitutional issues surrounding American warfare, paying close attention to the history of wartime civil liberties, questions regarding the legal definitions of war, treason, citizenship and enemy combatants, and the many challenges posed by the nation's economic, cultural, and political mobilization for large-scale conventional wars (the Civil War and the two world wars) and asymmetrical conflicts such as the U.S. interventions in Southeast Asia and the Middle East. This course applies to the liberal arts writing-intensive requirement.

## HIST (cont.)

- 3520 History of the Vietnam War** **3 hrs. (3, 0)**  
Explores U.S. foreign policy toward Vietnam, the diplomatic history of the conflict, the deepening commitment of U.S. forces, the experiences of U.S. Armed Forces personnel, and the full-scale war waged in the country. This will include domestic responses to the war, particularly the massive protest movement that the war generated and its effect on politics in this country.
- 3540 Civil Rights Movement in the United States** **3 hrs. (3, 0)**  
Examines the growth and dynamics of the African-American Civil Rights Movement, one of the most influential mass movements in American history. Emphasis will be given to the economic, social, and cultural changes that have influenced the civil rights struggles as well as historical conceptions of race that have plagued this country. **OFFERED:** Sem. I.
- 3560 History of Sports in America** **3 hrs. (3, 0)**  
The course offers a comprehensive examination of the origins, history and development of sports as a basic component of modern American cultural, social, political and economic life. Sports is a valuable lens through which students may examine larger trends in American race relations, modern capitalism and labor relations, and the development of the idea of leisure activity in an increasingly urban and suburban American landscape. Sports history is a subject of considerable interest to students, and it is also a useful way to introduce them to larger trends in the study of American history. **OFFERED:** Sem. II, 2021-22.
- 4030 History of the American Family** **3 hrs. (3, 0)**  
Explores the historical development of American families with changes in gender roles, sexuality, race, and life stages. This will include looking at the concepts of manhood, womanhood, and childhood over time and the changed meaning of the family, roles, and obligations of each member. Contemporary issues will include the definition of the family as well as the notions underpinning current conceptions of what a traditional family is. **OFFERED:** On demand
- 4650 Advanced Readings and Research** **2-3 hrs. (2-3, 0)**  
Includes general reading and discussion covering the major or related field and intensive study of a specific subject in the major field. Area of study is determined by the student and instructor with departmental approval. **EXPECTATION:** 3.0 or higher cumulative GPA. Special consideration and consent may be given to students in other majors with 3.0 or higher GPAs in their major fields. **CONSENT:** Instructor. **PREREQUISITE:** Upper-division standing. **OFFERED:** Sem. I, II.
- 4700 Methods of Teaching Social Studies** **3 hrs. (3, 0)**  
Prepares Social Studies Secondary Education majors in the development of teaching methodology appropriate to the social sciences. This course is designed only for Social Studies Secondary Education majors and does not apply toward the history major or minor. **OFFERED:** Sem. I.
- 4800 Internship in Public History** **1-4 hrs. (arranged)**  
Offers practical experience in an active public history setting, integrating classroom study, research, and discussion with mentor-guided hands-on work in the field. **CONSENT:** Instructor. **PREREQUISITE:** Upper-division standing; HIST 2350 and additional 15 history credit hours. **REPEAT:** May be repeated. Total credit not to exceed 4 hours. **GRADE:** CR/NC. **OFFERED:** Sem. I, II; Summer.
- 4900 Historical Problems and Interpretations (American, European, Asian)** **4 hrs. (4, 0)**  
In-depth examination of specific problem areas and interpretations of history. In seminar context, issues dealt with in terms of specific areas of interpretation and illustration. **REPEAT:** May be repeated. Total credit not to exceed 12 hours. **OFFERED:** Sem. I, II.
- 4915 Honors Research** **1-3 hrs. (arranged)**  
Required for students who intend to graduate with departmental honors. Research project is designed and executed by the student in consultation with and under the direction of the instructor. **EXPECTATION:** Cumulative GPA of 3.0 or higher and a GPA of 3.5 or higher in courses counting toward the major. **CONSENT:** Department chair. **PREREQUISITE:** Senior standing. **OFFERED:** Sem. I, II.
- 4930 Senior Seminar** **1 hr. (1, 0)**  
Capstone course for the major. Students will integrate concepts, knowledge, skills, methods, approaches, and practical experience from their major studies. This course applies to the liberal arts speaking-intensive requirement. **PREREQUISITE:** Senior standing. **OFFERED:** Sem. II.

## POSC Courses

- 2020 Introduction to Politics** 3 hrs. (3, 0)  
Introduces students to the study of government and provides a broad overview of the discipline of political science. Examines the scope and methods of the study of politics and political systems, as well as a number of concepts of interest to political scientists, including power, democracy, ideology, and state institutions. **OFFERED:** Sem. I.
- 2030 Introduction to National Security Studies** 3 hrs. (3, 0)  
Introduces students to important concepts in national security studies and covers the core functions of the U.S. security establishment. Also examines challenges confronting American national security decision-makers by examining a wide range of factors that play a role in policymaking. Emphasis is placed on issues related to homeland security, the changing nature of military conflict, and the tensions between civil liberties and security. Course will also explore global and human security as it relates to American national security in a globalizing world. **OFFERED:** Sem. I.
- 2100 American National Government** 3 hrs. (3, 0)  
An introductory study of national government in the United States. Examines the major institutions and processes of the American political system, including constitutional design, federalism, public opinion, voting and elections, political parties, interest groups, Congress, the presidency, and the courts. **OFFERED:** Sem. I, II.
- 2120 State and Local Government** 3 hrs. (3, 0)  
A comparative examination of the institutional structure, political processes, and public policies of state and local government systems. The functions of state and local government are examined in relation to the federal government.
- 2200 Public Policy** 3 hrs. (3, 0)  
An introduction to the theory and practice of policymaking and public administration as it relates to selected policy problems facing national, state, and local governments. Examples of policy areas covered in this course may include healthcare, education, fiscal, and national defense. **PREREQUISITE:** POSC 2400. **COREQUISITE:** MATH 2120. **OFFERED:** Sem. II.
- 2210 Introduction to Legal Studies** 3 hrs. (3, 0)  
This course provides an introduction to the structure and basic decision processes of the American legal system, as well as a study of the historical and social development of the legal profession in America from the colonial period to the present. Particular focus is on examination of the central issues and processes of the legal system from the perspective of their everyday working relationships and how the court works. **OFFERED:** Sem. II, 2021-22.
- 2400 Political Science Research Methods** 3 hrs. (3, 0)  
Provides a foundation for reading and interpreting research done by political scientists, as well as doing research and writing in political science courses. Focuses on principles for research design and the collection, analysis, and presentation of data. This course applies to the liberal arts writing-intensive requirement. **OFFERED:** Sem. I.
- 2420 Applied Statistics Lab** 1 hr. (1, 0)  
Introduction to the statistical analysis of political, economic, and policy data using the R programming language. **PREREQUISITE:** Mathematics proficiency. **COREQUISITE:** Concurrent enrollment in MATH 2120.
- 2580 Principles of Geography** 3 hrs. (3, 0)  
Introduction to geography, emphasizing five major themes: the physical environment, natural resources, and agricultural pursuits; demographics, immigration, sequent occupance, and settlement patterns; the impact of natural and human-made disasters; cultural, economic, and political development; and the interaction between people of different cultures and environments. This course is required of all social studies secondary education majors. **OFFERED:** Sem. II.
- 2810 Campaign Internship** 1-4 hrs. (arranged)  
Placement on a local political campaign under professional supervision. Forty-five hours of field experience is required for each hour of credit. Open to non-majors. **CONSENT:** Instructor. **REPEAT:** May be repeated. Total credit not to exceed 4 hours. **GRADE:** CR/NC. **OFFERED:** Sem. I, 2021-22.

POSC (cont.)

- 2840 Model United Nations** **1 hr. (1, 0)**  
Maximizes the learning opportunities inherent in participation in Model United Nations. Students develop skills in diplomatic behavior and writing, conduct individualized research, and gain expertise related to their assigned countries. Requires participation in functions outside of the traditional classroom environment. Open to non-majors. **PERMISSION:** Instructor. **REPEAT:** May be repeated. Total credit not to exceed 3 hours. **OFFERED:** Sem. I.
- 3010 History of Political Thought** **3 hrs. (3, 0)**  
Examination of major works in the development of political thought from ancient Greece through the 20th century. Theorists studied include Plato, Aristotle, St. Augustine, Machiavelli, Hobbes, Locke, Rousseau, and Mill. Particular emphasis is placed on the practical consequences of ideas for contemporary leaders in politics and society. **PREREQUISITE:** Sophomore standing. **SAME AS:** HIST/PHIL 3010. **OFFERED:** Sem. I, 2021-22.
- 3140 Elections, Public Opinion, and Democracy** **3 hrs. (3, 0)**  
Studies American political values, attitudes, and beliefs, and the factors that influence their development; the role of public opinion in American democracy; and the structural, psychological, and sociological factors associated with participation in the political process. Topics include party identification, turnout, models of vote choice, and survey research methods. **PREREQUISITE:** POSC 2400 and upper-division standing. **EXPECTATION:** Completion of MATH 2120 and POSC 2420.
- 3211 The Congress** **3 hrs. (3, 0)**  
Study of the Congress, focusing upon its organizational structure, processes, and political behavior of its members. Particular emphasis on representation, congressional elections, congressional committees, party leadership, House-Senate differences, and legislative processes. This course applies to the liberal arts speaking-intensive requirement. **PREREQUISITE:** POSC 2400 and upper-division standing. **OFFERED:** Sem. II, 2021-22.
- 3212 The Presidency** **3 hrs. (3, 0)**  
An examination of the selection, tenure, succession and leadership of the American chief executive. Topics include presidential elections, presidential power, and presidential relations with Congress, the bureaucracy, and the courts. This course applies to the liberal arts speaking-intensive requirement. **PREREQUISITE:** Upper-division standing.
- 3250 Constitutional Law** **3 hrs. (3, 0)**  
Survey of development of constitutional law through Supreme Court decisions. Topics include judicial review, federalism, the powers of congress and the president, equal protection, and due process. **PREREQUISITE:** Upper-division standing.
- 3300 International Security** **3 hrs. (3, 0)**  
Examines the major theories, concepts, and principles of international security, especially as they relate to global stability and conflict resolution. Topics include international alliances, mediation, bargaining, war termination, military effectiveness, and other security issues. The course also provides a framework to view government policy through a theoretical lens and understand how policymakers utilize theory to make decisions regarding national security.
- 3310 Political Violence and Terrorism** **3 hrs. (3, 0)**  
Examines the causes and consequences of political violence from an interdisciplinary perspective, with an emphasis on case studies of modern terrorism and counterterrorism policy. Also studies the relationship between faith, morality, and the ethical conduct of foreign policy. **PREREQUISITE:** Grade of C- or better in POSC 2030 and upper-division standing. **OFFERED:** Sem. I, 2021-22.
- 3320 Civilian Perspectives on Political Violence** **3 hrs. (3, 0)**  
Explores the causes and consequences of political violence from the civilian perspective. Draws on insights from political science, sociology, psychology, history, and contemporary literature to understand why people participate in violent acts and the impact of political violence on the civilian population. **PREREQUISITE:** Upper-division standing.
- 3330 American Foreign Policy** **3 hrs. (3, 0)**  
Study of the formulation and execution of foreign policy in the United States, together with an examination of the substantive issues and perspectives of American foreign policy since World War II. **PREREQUISITE:** Upper-division standing. **OFFERED:** Sem. I, 2021-22.

POSC (cont.)

- 3350 Homeland Security** 3 hrs. (3, 0)  
An overview of the changes in American foreign and domestic policy in the aftermath of the terrorist attacks of Sept. 11, 2001. Topics covered include the reorganization of government bureaucracies, ongoing debates over balancing security with civil liberties, interagency cooperation to prevent terrorism, risk-based assessment, border security, and disaster management. **PREREQUISITE:** Grade of C- or better in POSC 2030 and upper-division standing. **SAME AS:** CRIM 3350.
- 3370 Intelligence and Security Studies** 3 hrs. (3, 0)  
Introduces students to the intelligence cycle (planning, collection, processing, analysis, and dissemination), the role of the intelligence community in the making and implementation of foreign policy, and a broad overview of the field of security studies. Intelligence needs are discussed with respect to both public and private sector actors. Also examines the moral and legal constraints on national security professionals. This course applies to the liberal arts speaking-intensive requirement. **PREREQUISITE:** Grade of C- or better in POSC 2030 and upper-division standing. **OFFERED:** Sem. II, 2021-22.
- 3400 Comparative Politics** 3 hrs. (3, 0)  
Introduces students to the causes and consequences of political institutions and provides a comparative analysis of selected democratic and nondemocratic systems. **PREREQUISITE:** Upper-division standing. **OFFERED:** Sem. I, 2021-22.
- 3450 Politics of the Modern World** 3 hrs. (3, 0)  
Explores issues and theoretical concepts from the fields of comparative politics, international relations, and public policy of relevance to current events. Course will examine the politics of five (5) nations currently in the news, exploring topics such as education, development, migration, religion, poverty, debt, corruption, public health, human rights, technology, political participation, conflict, and other contemporary issues. **PREREQUISITE:** Upper-division standing.
- 3510 International Political Economy** 3 hrs. (3, 0)  
Introduces students to the study of how politics and economics interact at the global, regional and national level. Covers the major theories related to political economy; global monetary and trade relations; the role of multinational corporations, international organizations, and NGOs; issues of globalization and development; the international flow of labor and capital; state- and nation-building; and human rights. Particular emphasis is placed on understanding contemporary issues facing the global economy. **EXPECTATION:** ECON 2010. **PREREQUISITE:** Upper-division standing. **OFFERED:** Sem. II, 2021-22.
- 4650 Advanced Readings and Research** 1-4 hrs. (arranged)  
Intensive study of a subject in the field of political science not specifically covered by other courses. Area of study is defined by the student and instructor with departmental approval. **EXPECTATION:** cumulative GPA of 3.0 or higher. **CONSENT:** Instructor. **PREREQUISITE:** Upper-division standing; at least 18 hours of political science coursework. **REPEAT:** May be repeated. Total credit not to exceed 4 hours. **OFFERED:** Sem. I, II.
- 4800 Government Internship** 1-4 hrs. (arranged)  
Placement in a government agency or party organization under professional supervision. Forty-five hours of field experience is required for each hour of credit. **CONSENT:** Instructor. **PREREQUISITE:** Upper-division standing; at least 18 hours of political science coursework. **REPEAT:** May be repeated. Total credit not to exceed 4 hours. **GRADE:** CR/NC. **OFFERED:** Sem. I, II; Summer.
- 4810 Legal Internship** 1-4 hrs. (arranged)  
Placement in a legal setting under professional supervision. Forty-five hours of field experience is required for each hour of credit. Open to non-majors. **CONSENT:** Instructor. **PREREQUISITE:** upper-division standing. **REPEAT:** May be repeated. Total credit not to exceed 4 hours. **GRADE:** CR/NC. **OFFERED:** Sem. I, II; Summer.
- 4820 Global Internship** 1-4 hrs. (arranged)  
Placement under professional supervision in either a government agency or a non- governmental organization, in a position focused on global issues. Forty-five hours of field experience is required for each hour of credit. Open to non-majors. **CONSENT:** Instructor. **REPEAT:** May be repeated. Total credit not to exceed 4 hours. **GRADE:** CR/NC. **OFFERED:** Sem. I, II, Summer.

**POSC (cont.)**

- 4860 Public Policy Practicum** **3 hrs. (3, 0)**  
Students work as a team to conduct policy research for an external client under faculty supervision. An experiential learning opportunity for students developing their knowledge and skills in a real-world setting. **CONSENT:** Instructor. **PREREQUISITE:** Upper-division standing. **OFFERED:** Sem. I, 2021-22.
- 4915 Honors Research** **3 hrs. (arranged)**  
Required for students who intend to graduate with departmental honors. Research project is designed and executed by the student in consultation with and under the direction of the instructor. **EXPECTATION:** Cumulative GPA of 3.0 or higher and a GPA of 3.5 or higher in courses counting toward the major. **CONSENT:** Department chair. **PREREQUISITE:** Senior standing. **OFFERED:** Sem. I.
- 4930 Senior Seminar** **1 hr. (1, 0)**  
Capstone course for the major. Students will integrate concepts, knowledge, skills, methods, approaches, and practical experience from their major studies. **PREREQUISITE:** Senior standing. **OFFERED:** Sem. I, 2021-22.

# HONORS PROGRAM

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*Prof. Miller Fox, co-director; Dr. Stull, co-director; Dr. T. Fox, Dr. Ippolito, Dr. Lozano, Dr. Lyle-Ippolito, Dr. Murphy, Dr. Parks, Dr. M. Scott, Dr. Varner.*

The Honors Program at Anderson University is devoted to fostering within its honors scholars a passionate dedication to intellectual inquiry and spiritual development so they may serve as leaders in their professions and in their communities. Within this context, our scholars will be challenged to cultivate the life of the spirit, maturing in the Christian virtues of integrity, justice, and generosity.

The program provides a series of small, discussion-based, interdisciplinary courses that satisfy liberal arts program requirements. These courses, as well as close interaction with faculty and peers, offer intellectually challenging experiences that will stimulate and refine the skills of clear expression, acute analysis, critical thinking, and imaginative problem-solving. In the first three years of the Honors Program, scholars will participate in courses designed to enrich understanding of the humanities, science, and social science while creating a small community of learners dedicated to Christian scholarship. In the fourth year, they will pursue independent study in partnership with faculty mentors. Throughout the program, honors scholars are encouraged to pursue opportunities for international study and travel and service to the church and community. Upon completion of this four-year program, honors scholars will receive special recognition at commencement and on their transcript.

Enrollment in the Honors Program curriculum is by invitation to students who have successfully completed the Honors Program application and selection process.

Each course in the first three years of the Honors Program fulfills at least one of the component requirements of the liberal arts program, as listed below:

- HNRS 2110 fulfills Written Communication and Civic Ways of Knowing
- HNRS 2125 fulfills the Speaking-Intensive Requirement
- HNRS 2210 fulfills Scientific Ways of Knowing
- HNRS 3311 fulfills Social and Behavioral Ways of Knowing
- HNRS 3221 fulfills Global/Intercultural Ways of Knowing and is Writing-Intensive
- HNRS 3325 fulfills Christian Ways of Knowing

*Students enrolled in the Honors Program are exempt from taking LART 1050.*

## HNRS Courses

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|---|----------------------|
| <b>2110 Honors Literature and History</b>   | <b>5 hrs. (5, 0)</b> |
| Focuses on historical investigation and reading and writing on a common theme. <b>EXPECTATION:</b> C- or better, to fulfill the Written Communication portion of the Liberal Arts Core Curriculum.  |                      |
| <b>2125 The Scholar as Servant Leader</b>   | <b>2 hrs. (2, 0)</b> |
| Focuses on the stories of great men and women who were cast into positions of leadership and analyzes what is to be understood of their personal formation and qualities as leaders and servants. This course applies to the liberal arts speaking-intensive requirement.           |                      |
| <b>2210 Scientific Discoveries and Paradigm Shifts</b>  | <b>4 hrs. (3, 2)</b> |
| Examines the nature of science, the history and philosophy of science, and the experiential, hands-on practice of science. The unifying thread of the course is the concept of "paradigm shifts" and the question of whether they have actually occurred in the history of science. |                      |
| <b>3221 Traditionalism and Globalization</b>  | <b>3 hrs. (3, 0)</b> |
| Examines the bridges and barriers among various cultures of the world through a historical analysis. This course applies to the liberal arts writing-intensive requirement.   |                      |
| <b>3311 Honors Social Science</b>   | <b>3 hrs. (3, 0)</b> |
| Investigates societal structures and concepts of justice arising from such structures, as well as the impacts on various groups in society.   |                      |

**HNRS (cont.)**

**3325 Christ and Culture**

**3 hrs. (2, 0)**

This course is organized as a seminar in historical theology that considers the various relationships between Christians and their culture. Readings in primary and secondary sources, as well as journal articles, will inform seminar discussions.

**4910 Honors Senior Seminar**

**1 hr. (1, 0)**

Honors scholars will develop and complete an original research project which makes a unique scholarly contribution, under the direction of an academic mentor.

# KINESIOLOGY

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*Dr. Hamlyn chair; Prof. Day, Dr. A. Jones, Prof. Masi, Dr. J. Scott, Prof. Whiteman;*

*Instructors: Beach, Dr. J. Jones, A. Miller, T. Miller, Myhre, Keith, Palmer*

The Department of Kinesiology offers two majors designed to prepare students to enter careers, vocations, or service in healthcare, sport performance, clinical physiology, and sport and recreational leadership. Three minors are available: athletic coaching, nutrition, and sport and recreational leadership. Additionally, the department offers activity courses designed to provide instruction in fundamental skills in selected sports and activities.

## EXERCISE SCIENCE

Exercise science is a growing field that addresses issues of health and wellness as well as human performance. Anderson University's exercise science major provides classroom, laboratory, and practical experiences for students interested in human performance and health. The exercise science program offers 3 concentrations: clinical exercise physiology, pre-health, and sport performance. The exercise science program prepares students for employment in a variety of health care settings and corporate wellness, as well as excellent pre-professional preparation for students desiring to pursue graduate degrees in allied health, such as exercise physiology, biomechanics, athletic training, physical therapy, occupational therapy, and physician assistant, amongst others.

All students must:

- maintain a cumulative GPA of 2.0 or better
- earn a C- or better for each course within the exercise science major
- demonstrate proficiency in the EXSC 4150 Exercise Testing and Prescription lab practicum exam with a grade of B- or better.

Any student falling short of the minimum standards is expected to address these immediately.

## EXERCISE SCIENCE CONCENTRATIONS

Every Exercise Science major chooses one of three concentrations:

- Clinical Exercise Physiology: for those students desiring to pursue careers working with chronic diseased populations, cardiopulmonary rehabilitation, and cardiac stress testing, in addition to preparation for a master's in exercise physiology.
- Pre-Health: for those students desiring to prepare for an allied health field such as athletic training, physical therapy, occupational therapy, sports psychology, and physician assistant.
- Sports Performance: for those students desiring to pursue careers in strength and conditioning, personal training, health/wellness coordinators, community health centers, and senior adult fitness programs.

## EXERCISE SCIENCE MAJOR (70 hrs.)

Exercise Science Core Requirements (56 hours):

- BIOL 2410 - Human Anatomy and Physiology I (4 hrs.)
- BIOL 2420 - Human Anatomy and Physiology II (4 hrs.)
- EXSC 1360 - Introduction to Exercise Science (2 hrs.)
- EXSC 2455 - Foundations of Exercise Leadership (3 hrs.)
- EXSC 2580 - Sports Nutrition (3 hrs.)
- EXSC 3470 - Physiology of Exercise I (4 hrs.)
- EXSC 3480 - Physiology of Exercise II (4 hrs.)
- EXSC 3520 - Biomechanics I (4 hrs.)
- EXSC 3530 - Biomechanics II (4 hrs.)

- EXSC 4150 - Exercise Testing and Prescription (4 hrs.)
- EXSC 4800 - Internship in Exercise Science (4 hrs.)
- EXSC 4910 - Research in Exercise Science (3 hrs.)
- EXSC 4920 - Seminar in Exercise Science (3 hrs.)
- PEHS 1550 - Prevention and Care of Injury and Illness (3 hrs.)
- PSYC 2000 - General Psychology (3 hrs.)
- 4 hours from:
  - CHEM 1000 - Introduction to Chemistry (4 hrs.)
  - CHEM 2110 - General Chemistry I (4 hrs.)

Majors must complete one of the following Concentrations (14 hrs.):

***Clinical Exercise Physiology:***

- EXSC 4050 - EKG and Cardiovascular Disease (3 hrs.)
- EXSC 4160 - Clinical Experience in Exercise Testing and Prescription (1 hr.)
- 10 hours from:
  - BIOL 2010 - Medical Terminology (2 hrs.)
  - EXSC 4010 - Advanced Resistance Training and Conditioning (3 hrs.)
  - EXSC 2440 - Stress Management (3 hrs.)
  - PSYC 3450 - Health Psychology (4 hrs.)
  - EXSC 2550 - Health, Exercise, and Aging (2 hrs.)
  - EXSC 3300 - Health Implications of Obesity (3 hrs.)

***Pre-Health:***

- 14 hours from:
  - BIOL 2010 - Medical Terminology (2 hrs.)
  - BIOL 2210 - Foundations of Modern Biology I (4 hrs.)
  - BIOL 2220 - Foundations of Modern Biology II (4 hrs.)
  - CHEM 2120 - General Chemistry II (4 hrs.)
  - MATH 2120 - Introduction to Statistics with Application (4 hrs.)
  - PHYS 2140 - General Physics I (4 hrs.)
  - PHYS 2150 - General Physics II (4 hrs.)
  - PSYC 2510 - Developmental Psychology (4 hrs.)
  - PSYC 3120 - Abnormal Psychology (4 hrs.)
  - PSYC 3450 - Health Psychology (4 hrs.)
  - SOCI 2010 - Intro to Sociology (3 hrs.)

***Sports Performance:***

- ATRG 1530 - Theory of Conditioning (3 hrs.)
- EXSC 4010 - Advanced Resistance Training and Conditioning (3 hrs.)
- 8 hours from:
  - BIOL 2010 - Medical Terminology (2 hrs.)
  - BIOL 2040 - Personal and Community Health (3 hrs.)
  - EXSC 2440 - Stress Management (3 hrs.)
  - EXSC 2550 - Health, Exercise, and Aging (2 hrs.)
  - PETE 2250 - Motor Behavior (3 hrs.)
  - SPRL 3150 - Recreational Leadership (2 hrs.)
  - SPRL 3250 - Legal Aspects of Sport and Recreation (3 hrs.)
  - SPRL 3300 - Management of Sport Facilities and Events (3 hrs.)

## **NUTRITION MINOR (16 hrs.)**

The nutrition minor is an ideal minor to accompany majors within the Department of Kinesiology and other science majors at Anderson University. The minor is designed to provide a sound background in nutrition but without courses that stress clinical chemistry and dietetics. A minor in nutrition is an excellent choice for students who wish to enter the fitness, medical, health, and human services-related professions. It will strengthen the academic component of coursework in these fields and contribute to students becoming more effective practitioners.

### Required Courses:

- EXSC 2140, 2580, 3100, 3200, 3300

## **SPORT AND RECREATIONAL LEADERSHIP**

The sport and recreational leadership major prepares students to work in recreation and sports centers, with athletic programs, at camps, and/or in YMCAs, churches, businesses, etc. The goal of this major is to help young people find their niche in the sport and recreation industry. Students will take a common core of classes and then gain knowledge and experiences in specific areas of sport and recreation programming, management, business, and leadership.

## **SPORT AND RECREATIONAL LEADERSHIP MAJOR (52 hrs.)**

- SPRL 1350, 2450, 2550, 3150, 3250, 3300, 4850
- PETE 1300, 2250, 3720, 4900
- PEHS 1450, 3340, 3410
- ATRG 1530
- EXSC 2580
- ACCT 2010
- BSNS 2710, 2810

## **SPORT AND RECREATIONAL LEADERSHIP MINOR (16-17 hrs.)**

The sport and recreational leadership minor provides students in other majors with a relevant option regarding sports, physical activity, and recreation, which may enhance their career pathway. Through the intentional selection of courses within the sport and recreational leadership major, students may be prepared to work in recreation centers, sports facilities, churches, and camps.

- PETE 1300
- PEHS 1450
- SPRL 1350, 2450, 2550, 3150
- Select one course from the following options:
  - PETE 3720, 4900
  - SPRL 3300, 4850

## **ATHLETIC COACHING MINOR (15 hrs.)**

The athletic coaching minor is a non-teaching program that offers students the opportunity to learn requisite skills to become coaches in a youth-sport setting.

### Coaching core (10-11 hrs.):

- PEHS 1450
- PEHS 1550
- ATRG 1530 or EXSC 4010
- PEHS 2340 or 3340
- 1 hour from PEHS 1200 and 1 hour from any coaching theory class (PEHS 3030, 3040, 3050, 3060, 3070, 3080) OR 2 hours from any two coaching theory classes

Elective classes (4-5 hours):

- PEHS 1060, 2020, 2040, 2260, 2340, 3030, 3050, 3060, 3070, 3080, 3340, 3410, 4850
- EXSC 2580
- SPRL 1350, 2550, 3300

Students may earn only 1 hour of PEHS 2260 credit for the minor. Students may elect 2 hours of Techniques of Coaching courses OR 1 hour of PEHS 1200 credit. Students may earn only 1 hour of PEHS 2260 credit for the minor.

## ACTIVITY PROGRAM

The activity program provides instruction in fundamental skills in each sport or activity offered. The aim is to encourage individuals to develop the skills, strategies, and knowledge to participate at a recreational level. This program fosters personal enrichment of body, mind, and spirit through participation in physical activity.

Activity classes are offered in different formats. Some are taught daily in a six-week block. Others are taught two or three days a week for a semester. Some classes require a fee, which is charged to the student's account at the beginning of the semester. Students are encouraged to bring and use their own sports equipment.

An intramural/recreational program provides additional opportunities for regular physical activities. Swimming activities are offered in the natatorium. The weight room is open for recreational use during scheduled hours.

## PEHS Courses

Liberal Arts Requirement:

- |   |                      |
|---|----------------------|
| <b>1000 Fitness and Wellness for Life</b>   | <b>2 hrs. (1, 2)</b> |
| Provides a base upon which students may build healthy bodies through understanding of and participation in fitness/leisure activities. Surveys key fitness/wellness concepts in lecture portion of class. |                      |

Activity Program:

- |  |                     |
|--|---------------------|
| <b>1050 Bowling</b>  | <b>1 hr. (0, 2)</b> |
| Fee required.  |                     |
| <b>1060 Weight Training</b>  | <b>1 hr. (0, 2)</b> |
| <b>1100 Beginning Swimming</b>   | <b>1 hr. (0, 2)</b> |
| <b>1120 Golf</b>   | <b>1 hr. (0, 2)</b> |
| NOTE: Six-week class only; meets daily.  |                     |
| <b>1130 Scuba</b>  | <b>1 hr. (0, 2)</b> |
| Fee required. <b>GRADE:</b> CR/NC.   |                     |
| <b>1150 Badminton</b>  | <b>1 hr. (0, 2)</b> |
| NOTE: Six-week class only; meets daily.  |                     |
| <b>1190 Mind-Body Fitness</b>  | <b>1 hr. (0, 2)</b> |
| Provides opportunity to experience yoga-like stretches and poses while learning deep- breathing relaxation techniques and centering activities.  |                     |
| <b>1200 Co-Curricular Activity</b>   | <b>1 hr. (0, 2)</b> |
| Provides academic credit for participation in intercollegiate sports activities, including cheerleading. Credit must be taken in primary semester of competition. Does not count toward PEHS major or minor. <b>REPEAT:</b> May be repeated in a different activity only. Total credit not to exceed 2 hours. <b>GRADE:</b> CR/NC. |                     |
| <b>1220 Tennis</b>   | <b>1 hr. (0, 2)</b> |
| NOTE: Six-week class only; meets daily.  |                     |
| <b>2000 Intermediate Swimming</b>  | <b>1 hr. (0, 2)</b> |

**PEHS (cont.)**

- 2020 American Red Cross Lifeguarding** **1 hr. (0, 2)**  
Provides instruction in American Red Cross lifeguarding program, which can lead to ARC certification.  
**EXPECTATION:** Swimming proficiency at ARC Level VII.
- 2040 Water Safety Instructor** **1 hr. (0, 2)**  
Provides instruction in American Red Cross water safety program, which can lead to ARC certification.  
**EXPECTATION:** Swimming proficiency at ARC Level VII.

*General Education Electives:*

- 1450 First Aid** **2 hrs. (2, 1)**  
Students earn American Red Cross Responding to Emergencies certification upon successful completion (includes first aid, community CPR, and AED). Credit may not be earned in both PEHS 1450 and ATRG 1460. **OFFERED:** Sem. I, II.
- 1550 Care and Prevention of Injuries and Illnesses** **3 hrs. (2, 1)**  
Introduces the basic concepts of prevention and care of injuries and illnesses including emergency procedures. Upon completion the student may become first aid and CPR certified through American Red Cross. **OFFERED:** Sem. I.
- 2100 Health Concepts I** **2 hrs. (2, 0)**  
Examines nutrition, nutritional choices, myths, and misconceptions about diet. Examines appropriate and inappropriate use of drugs and other chemical substances, including alcohol, tobacco, and over-the-counter and prescription drugs. **OFFERED:** Sem. II. **LAST OFFERED:** 2021-22.
- 2260 Advanced Conditioning for Sports Performance** **1 hr. (0, 3)**  
Provides instruction in and supervision of planned, ongoing exercises and training regimens (strength, anaerobic, and aerobic) for the purpose of sports performance enhancement. Open to all students. **REPEAT:** May be repeated. Total credit not to exceed 4 hours. **GRADE:** CR/NC. **NOTE:** Weeks and days the class meets vary by section and semester. **OFFERED:** Every semester according to sport.
- 2340 Psychology of Coaching** **2 hrs. (2, 0)**  
Applies scientific principles to coaching at different levels of competition. Discusses motivation, personality differences, communication, and effect of winning and losing. **OFFERED:** 2022-23.
- 3030 Techniques of Coaching Volleyball** **1 hr. (1, 1)**  
**OFFERED:** 2021-22.
- 3040 Techniques of Coaching Soccer** **1 hr. (1, 1)**  
**OFFERED:** 2021-22.
- 3050 Techniques of Coaching Football** **1 hr. (1, 1)**  
**OFFERED:** 2021-22.
- 3060 Techniques of Coaching Track** **1 hr. (1, 1)**  
**OFFERED:** 2022-23.
- 3070 Techniques of Coaching Basketball** **1 hr. (1, 1)**  
**OFFERED:** 2021-22.
- 3080 Techniques of Coaching Baseball** **1 hr. (1, 1)**  
**OFFERED:** 2022-23.
- 3100 Health Concepts II** **3 hrs. (3, 0)**  
Examines the prevalence and types of diseases. Discusses prevention and treatment of common diseases. Examines stress, good and harmful. Discusses coping behaviors. Examines human sexuality, including gender identity and roles, and behavioral choices and their consequences. Examines the healthy and natural process of death/dying. Discusses sociological, emotional, and spiritual aspects of end-of-life issues. **OFFERED:** Sem. II, 2021-22. **LAST OFFERED:** 2022-23.
- 3340 Sociology of Sport** **3 hrs. (3, 0)**  
Examines sports and their part in the lives of people, communities, and our society. Encourages students to ask critical questions regarding how sports impact the world in which we live. Investigates the influence of sports on children, gender, race, social class, media, the economy, and religion. This course applies to the liberal arts writing-intensive requirement. **OFFERED:** Sem. II.

## PEHS (cont.)

- 3410 Sports Administration** **3 hrs. (3, 0)**  
Develops skills in the organization and administration of interscholastic athletics, including philosophy, scheduling, budget, equipment care, awards, legal aspects, and facilities. **OFFERED:** Sem. II.
- 3490 School Health Organization** **3 hrs. (3, 0)**  
Develops skills in the organization and management of health programs in the school, including classroom, school health services, and related community-based health services. **OFFERED:** Sem. II, 2022-23. **LAST OFFERED:** 2023-24.
- 4850 Practicum in Physical Education or Sport** **1-4 hrs. (arranged)**  
Provides opportunity for independent work or field experience in settings like camps, agencies, city parks and recreation centers, or other physical activity locations. **CONSENT:** Instructor. **EXPECTATION:** Played on a high school or college athletic team at the varsity level. **REPEAT:** May be repeated for a total of 8 hours. **GRADE:** CR/NC. **OFFERED:** Every semester as needed. **LAST OFFERED:** 2023-24.
- 4860 Practicum in Health** **1-4 hrs. (arranged)**  
Provides opportunity for independent work or field experience in teaching health in area schools. **CONSENT:** Instructor. **EXPECTATION:** Must be accepted into Teacher Education Preparation Program. **REPEAT:** May be repeated for a total of 8 hours. **PRE-/COREQUISITE:** PEHS 3100 or PEHS 3490. **GRADE:** CR/NC. **OFFERED:** Every semester as needed. **LAST OFFERED:** 2023-24.

## ATRG Courses

- 1460 Emergency Response** **2 hrs. (2, 1)**  
Prepares students to earn American Heart Association certification in CPR for the professional rescuer and AED upon successful completion of the course. Splinting, spine boarding, and wound care are covered in the lab portion of the course. Credit may not be earned in both PEHS 1450 and ATRG 1460. **NOTE:** Intended for prospective athletic training majors only. Fee required. **OFFERED:** Sem. II.
- 1490 Beginning Athletic Training** **2 hrs. (2, 1)**  
Introduces the athletic training profession. Examines relationship of athletic trainers in the management and care of injuries and their role as professional allied health-care practitioners. Includes an overview of the following topics: injury evaluation process, athletic equipment, therapeutic modalities, and therapeutic exercise. **NOTE:** Intended for prospective athletic training majors only. **OFFERED:** Sem. I.
- 1500 Clinical Experience in Athletic Training I** **1 hr. (0, 1)**  
Provides students with the practical application of taping and bracing techniques within athletic training. **PRE-/COREQUISITE:** ATRG 1460, 1490. **NOTE:** Intended for prospective athletic training majors only. **OFFERED:** Sem. II.
- 1530 Theory of Conditioning of Athletes** **3 hrs. (2, 0)**  
Investigates the physiological background, techniques/methods, and precautions of conditioning athletes. Analyzes nutrition, ergogenic aids, gender, age, and climatic issues. **OFFERED:** Sem. II.
- 1590 Advanced Athletic Training** **2 hrs. (2, 1)**  
Builds on information gained in ATRG 1490. Includes prevention, evaluation, and treatment of athletic-related injuries. Emphasis given to basic anatomy and injury assessment of the extremities, head, and spine. **PRE-/CO-REQUISITE:** ATRG 1460. **NOTE:** Intended for prospective ATRG majors only. **OFFERED:** Sem. II.
- 2200 Psycho-Social Aspects of Sport** **2 hrs. (2, 1)**  
Athletic trainers must be able to recognize and appropriately refer athletes and physically active people based on psychological and sociological well-being. Emphasis will be placed on the psychological/sociological principles as they apply to athletic participation, burnout, injury treatment and rehabilitation compliance, the use of performance enhancing drugs, body image dysmorphia, and eating disorders. **OFFERED:** Sem. II. **LAST OFFERED:** 2022-23.
- 2220 Pharmacological and Ergogenic Aids in Sport** **3 hrs. (3, 1)**  
Performance enhancing drugs (PEDs) are becoming an increasingly significant discussion in sports at all levels of participation. Likewise, the use and abuse of prescription medication and illegal drugs is on the rise among all groups, including athletes and physically active individuals. Students will be prepared for understanding the basic concepts of pharmacology and ergogenic aids/PEDs, as well as be able to identify the signs of their use/misuse. **OFFERED:** Sem. II. **LAST OFFERED:** 2021-22.

**ATRG (cont.)**

- 2400 Clinical Experience in Athletic Training II** **1 hr. (0, 1)**  
Guided experiences in emergency response and basic prevention, evaluation, and treatment of athletic-related injuries. Students will be tested throughout this course in both real-time and practice settings. **PREREQUISITE:** Athletic training major in good standing. **OFFERED:** Sem. I, II. **LAST OFFERED:** 2021-22.
- 2420 Therapeutic Modalities** **3 hrs. (2, 1)**  
Introduces students to common therapeutic modalities and their use in sports medicine. Includes the application of physics and biophysics to each modality considering effects, application techniques, indications, and contra-indications. Emphasizes safety during instruction and laboratory experiences. **PREREQUISITE:** ATRG 1500, 1590; Athletic training major in good standing. Fee required. **OFFERED:** Sem. I. **LAST OFFERED:** 2021-22.
- 2440 Lower Body Joint and Extremity Assessment** **2 hrs. (0, 2)**  
Examines techniques and procedures for clinical evaluation of common athletic injuries, emphasizing major joint structures. Incorporates appropriate examination techniques and procedures into an effective, systematic clinical evaluation of the lower body. **PREREQUISITE:** ATRG 1500, 1590; athletic training major in good standing. **OFFERED:** Sem. I. **LAST OFFERED:** 2021-22.
- 2500 Clinical Experience in Athletic Training III** **1 hr. (0, 1)**  
Guided experiences in the evaluation and treatment of lower extremity injuries, therapeutic modalities, and the psycho-social aspect of sport. Students will be tested throughout this course in both real-time and practice settings. **PREREQUISITE:** Athletic training major in good standing. **OFFERED:** Sem. I, II. **LAST OFFERED:** 2021-22.
- 2540 Upper Body Joint and Extremity Assessment** **2 hrs. (0, 2)**  
Examines techniques and procedures for clinical evaluation of common athletic injuries, emphasizing major joint structures. Incorporates appropriate examination techniques and procedures into an effective, systematic clinical evaluation of the upper body. **PREREQUISITE:** ATRG 2440; athletic training major in good standing. Fee required. **OFFERED:** Sem. II. **LAST OFFERED:** 2021-22.
- 3400 Clinical Experience in Athletic Training IV** **1 hr. (0, 1)**  
Guided experiences in the evaluation and treatment of upper extremity injuries, sports nutrition, and pharmacology in sport. Students will be tested throughout this course in both real-time and practice settings. **PREREQUISITE:** Athletic training major in good standing. **OFFERED:** Sem. I, II. **LAST OFFERED:** 2022-23.
- 3440 Therapeutic Rehabilitation** **3 hrs. (2, 2)**  
Introduces students to common therapeutic rehabilitation techniques and their use in sports medicine. Includes the application of each technique in consideration of the healing process. Emphasizes proper rehabilitation program design and laboratory experiences. This course applies to the liberal arts writing-intensive requirement. **PREREQUISITE:** ATRG 2420, 2540; athletic training major in good standing. Fee required. **OFFERED:** Sem. I. **LAST OFFERED:** 2022-23.
- 3450 Medical Issues in Athletic Training I** **2 hrs. (2, 0)**  
Examines advanced topics in sports medicine, including anatomy, pathology, recognition, evaluation, management, and emergent treatment of general medical illnesses and conditions involved in an athletic health-care environment. Special topics include environmental-related illness, administration of pre-participation physical examinations, and athletic health care for special populations (aging athletes, female athletes, etc.). **PREREQUISITE:** ATRG 2420, 2540; BIOL 2410, 2420; athletic training major in good standing. Fee required. **OFFERED:** Sem. I. **LAST OFFERED:** 2022-23.
- 3500 Clinical Experience in Athletic Training V** **1 hr. (0, 1)**  
Guided experiences in the therapeutic rehabilitation of athletic injuries. Students will be tested throughout this course in both real-time and practice settings. **PREREQUISITE:** Athletic training major in good standing. **OFFERED:** Sem. I, II. **LAST OFFERED:** 2022-23.
- 3550 Medical Issues in Athletic Training II** **2 hrs. (2, 0)**  
Examines advanced medical issues concerning anatomy, kinesiology, pathology, recognition, evaluation, management, and emergent treatment of specific injuries and conditions involved in an athletic health-care environment. Includes an introduction to pharmacology. **PREREQUISITE:** ATRG 3450; athletic training major in good standing. **OFFERED:** Sem. II. **LAST OFFERED:** 2022-23.

## ATRG (cont.)

- 4400 Clinical Experience in Athletic Training VI** **1 hr. (0, 1)**  
Guided experiences in the treatment of general medical conditions and sports performance of athletes. Students will be tested throughout this course in both real-time and practice settings. **PREREQUISITE:** Athletic training major in good standing. **OFFERED:** Sem. I, II. **LAST OFFERED:** 2022-23.
- 4460 Administration of Athletic Training** **3 hrs. (3, 0)**  
Develops skills in the organization and administration of an athletic training/sports medicine program, including philosophy, budget, facilities, equipment, insurance, legal aspects, records, employment, personnel, and structure of the National Athletic Trainers Association. **PREREQUISITE:** Athletic training major in good standing; senior standing. **OFFERED:** Sem. I. **LAST OFFERED:** 2023-24.
- 4500 Clinical Experience in Athletic Training VII** **1 hr. (0, 1)**  
Guided experiences in the organization and administration of the athletic training profession, including ethics, risk management, legal aspects, professional development, and athletic training management. Students will be tested throughout this course in both real-time and practice settings. **PREREQUISITE:** ATRG 3440; athletic training major in good standing. **OFFERED:** Sem. I, II. **LAST OFFERED:** 2023-24.
- 4550 Research in Athletic Training** **1 hr. (2, 0)**  
The need for quality evidence-based practice is growing in all allied health professions. Student athletic trainers must be prepared to understand and utilize the evidence related to all aspects of athletic training. Likewise, students must learn how to add to the body of knowledge within athletic training. This course will discuss a variety of research methods, including both qualitative and quantitative, as they relate to athletic training and health care. Students will begin a yearlong independent research project. Fee required. This course applies to the liberal arts writing-intensive requirement. **OFFERED:** Sem. I. **LAST OFFERED:** 2023-24.
- 4850 Practicum in Athletic Training** **1-4 hrs. (arranged)**  
Provides opportunity for independent work or field experiences in the sports medicine field. **PREREQUISITE:** Athletic training major in good standing. **CONSENT:** Instructor. **REPEAT:** May be repeated for a total of 8 hours. **GRADE:** CR/NC. **OFFERED:** Every semester as needed. **LAST OFFERED:** 2023-24.
- 4910 Seminar in Athletic Training** **2 hrs. (2, 0)**  
Overview of research methodology in athletic training. Prepares students for the BOC examination and entry into the profession. Capstone course in athletic training. Selected topics of current interest in sports medicine. Requires the development and presentation of an independent research project. This course applies to the liberal arts speaking-intensive requirement. **PREREQUISITE:** Athletic training major in good standing; senior standing. Fee required. **OFFERED:** Sem. II. **LAST OFFERED:** 2023-24.

## Exercise Science Professional Program:

### EXSC Courses

- 1360 Introduction to Exercise Science** **2 hrs. (2, 0)**  
Explores the discipline and sub-disciplines represented within exercise science. Examination of the historical and cultural aspects of exercise science as well as current trends and future developments, including professional development and certification. Fee required. **OFFERED:** Sem. I.
- 2140 Nutrition in Health and Disease** **4 hrs. (3, 2)**  
Provides an introductory view of the relationship between nutrition and disease. The course covers the methodology used to determine nutritional and health status and how evidence is gathered to determine links between nutrition and the prevention of specific diseases and conditions, such as cardiovascular disease, cancer, diabetes, obesity, gastrointestinal disorders, and osteoporosis are covered in depth. Emphasis is placed on the scientific method and how scientific processes allow these facts to be known. **OFFERED:** Sem. I, II.
- 2440 Stress Management** **3 hrs. (3, 1)**  
Investigates stressors in the personal, work, and social environments and the interconnectedness of health and stress. Discusses the physiological aspects of the stress response. Explores various coping strategies for stress management. **OFFERED:** Sem. I.

EXSC (cont.)

- 2455 Foundations of Exercise Leadership** 3 hrs. (3, 0)  
Emphasizes fundamentals necessary to design safe and appropriate cardiovascular and strength training programs for personal-training clients based on exercise prescription principles. Develops applicable teaching methodology in various activity and lecture situations. Fee required. **OFFERED:** Sem. II.
- 2550 Health, Exercise, and Aging** 2 hrs. (2, 0)  
Examines the health-related physiological dimensions of aging and the role of lifestyle activity and exercise as strategy for coping with the changes. **OFFERED:** Sem. I.
- 2580 Sports Nutrition** 3 hrs. (2, 1)  
Explores principles of nutrition as they relate to athletes and athletic competition, including the role of athletic trainers and coaches in implementing sound sports nutrition programs to promote optimal health and performance for athletes. Includes topics such as pre-event and post-event meal planning, nutritional assessment, nutritional counseling, carbohydrate loading, electrolyte drinks, ergogenic aids, protein and vitamin supplementation, recognition of eating disorders, and physiological aspects of nutrition as they relate to athletic competition. Fee required. **OFFERED:** Sem. I, II.
- 3100 Eating Disorders** 3 hrs. (3, 0)  
Analysis of factors involved in etiology, assessment, medical consequences, treatment, and prevention of eating disorders. **OFFERED:** Sem. II.
- 3200 Nutrition in the Life Cycle** 3 hrs. (3, 0)  
Addresses specific nutritional needs at various stages of the human life cycle: lactation, infancy, childhood, adolescence, and adulthood, including old age. The most common nutritional concerns, their relationship to food choices and health status, and strategies to enhance well-being at each stage of the life cycle are emphasized. **PREREQUISITE:** EXSC 2140 or EXSC 2580. **OFFERED:** Summer.
- 3300 Health Implications of Obesity** 3 hrs. (3, 0)  
Study of obesity and being overweight with special emphasis on diet, nutrition, and exercise. Modes of prevention and treatment will also be discussed. **PREREQUISITE:** EXSC 2140 or EXSC 2580. **OFFERED:** Summer.
- 3470 Physiology of Exercise I** 4 hrs. (3, 2)  
Studies physiological changes in the human organism as a result of physical exercise, including immediate and chronic responses of the body to exercise, physiological limitations to exercise, and limitations of present physiological knowledge for total understanding of exercise response. Practical applications of physiology to coaching and teaching. **PREREQUISITE:** BIOL 2420. Fee required. **OFFERED:** Sem. I.
- 3480 Physiology of Exercise II** 4 hrs. (3, 2)  
An advanced course in the area of exercise and human performance. Which provides further in-depth examination of the physiological mechanisms responsible for both the acute and chronic changes which occur with exercise. **PREREQUISITE:** EXSC 3470. Fee required. **FIRST OFFERED:** Sem. II.
- 3520 Biomechanics I** 4 hrs. (3, 2)  
Examines the scientific principles basic to human motion: both anatomical and biomechanical. Includes a laboratory experience. **PREREQUISITE:** BIOL 2410. **OFFERED:** Sem. I.
- 3530 Biomechanics II** 4 hrs. (3, 2)  
Continues to explore and apply biomechanical principles to human movement through lecture and laboratory experiences. Topics include the Newtonian mechanics, kinematics, and kinetics of human motion through applied knowledge of anatomy and physics. **PREREQUISITE:** EXSC 3520. **FIRST OFFERED:** Sem. II.
- 4010 Advanced Resistance Training and Conditioning** 3 hrs. (3, 0)  
Analyzes advanced principles of skeletal muscle physiology and bioenergetics in the application of strength training and conditioning programs designed for athletes and recreational exercisers. **PREREQUISITE:** EXSC 3470. **OFFERED:** Sem. II.
- 4050 EKG and Cardiovascular Disease** 3 hrs. (2,1)  
Introduction to the basic principles and interpretation of the electrocardiograph (EKG) as it relates to clinical and fitness programs. Students learn how to record EKGs, vital signs, recognize cardiac rhythms and will learn the importance of an EKG and how EKG rhythms provide important data for the diagnosis of heart conditions. Will cover the many risk factors associated with coronary artery disease and the management and treatment of cardiovascular disease. **PREREQUISITE:** EXSC 3470. **FIRST OFFERED:** Sem. II.

## EXSC (cont.)

- 4150 Exercise Testing and Prescription** **4 hrs. (3, 2)**  
Provides an in-depth study of the theoretical basis and applied knowledge required for graded exercise testing and individualized exercise prescription. Includes electrocardiograph techniques/interpretation, pharmacological considerations, test data interpretation, and emergency procedures. **PREREQUISITE:** EXSC 3470. Fee required. **OFFERED:** Sem. II.
- 4160 Clinical Experience in Exercise Testing and Prescription** **1 hr. (0, 2)**  
Provides laboratory experiences designed to present and refine skills in conducting various health fitness assessments (e.g. resting and exercise blood pressure, body composition, submaximal aerobic capacity, maximal graded exercise stress tests, EKG placement and rhythm recognition) Students will also demonstrate the ability to prescribe physical activity and exercise programs to maintain and promote good health. This course discusses the implications of test results and application to exercise prescription. **PREREQUISITE:** EXSC 4150; exercise science major. Fee required. **OFFERED:** Sem. I, II.
- 4650 Independent Research in Exercise Science** **1-3 hrs. (0, 3)**  
Provides opportunity for independently executed investigations, normally by students with upper-division standing. **REPEAT:** May be repeated. Credit not to exceed 6 hours. **OFFERED:** Every semester as needed.
- 4800 Internship in Exercise Science** **4 hrs. (arranged)**  
The Internship Program for Exercise Science is intended for students to observe and gain practical experience in a professional environment in which they plan to work as a career. Students are required to complete 4 credits of internship before graduation. **CONSENT:** Instructor. **PREREQUISITE:** EXSC 4150. **GRADE:** CR/NC. Fee required. **REPEAT:** May be repeated. **OFFERED:** Summer.
- 4850 Practicum in Exercise Science** **1-4 hrs. (arranged)**  
Provides opportunity for independent work or field experience in settings of personal training, agencies, or clinics in the exercise science field. **CONSENT:** Instructor. **PREREQUISITE:** Exercise science major; junior standing. **REPEAT:** May be repeated for a total of 8 hours. **GRADE:** CR/NC. **OFFERED:** Every semester as needed.
- 4910 Research in Exercise Science** **3 hrs. (3, 0)**  
The need for quality evidence-based practice is growing in all allied health professions. Students must be prepared to understand and utilize the evidence related to all aspects of professional practice. This course will discuss a variety of research methods, including both qualitative and quantitative. Students will begin a yearlong independent research project. **FIRST OFFERED:** Sem. I.
- 4920 Seminar in Exercise Science** **3 hrs. (2, 0)**  
Investigates selected topics of current interest in exercise and health science. Capstone course in exercise science. Requires a written and oral presentation of a creative project involving either applied, experimental, or library research. This course applies to the liberal arts writing and speaking-intensive requirement. **PREREQUISITE:** Exercise science major; senior standing. Fee required. **OFFERED:** Sem. II.

## PETE Courses

- 1300 Introduction to Sports, Physical Activity, and Recreation** **2 hrs. (2, 1)**  
Introduces foundational concepts in sports, physical activity, physical education, and recreation, including historical and philosophical orientations, current issues, and career opportunities. Fee required. **OFFERED:** Sem. I.
- 2250 Motor Behavior** **3 hrs. (3, 0)**  
Examines the forces that influence the acquisition of motor skill and movement patterns. Surveys growth and development patterns. Identifies characteristics of skilled movement forms. Reviews factors which impact the learning of skills like knowledge of results and performance. Discusses motivational patterns and sport interests. Surveys the sub discipline of motor learning. This course applies to the liberal arts writing-intensive requirement. **OFFERED:** Sem. II.
- 3710 Instructional Strategies (K-5)** **3 hrs. (3, 1)**  
Examines and develops instructional strategies for teaching physical education in grades K-5. The development of fundamental movement patterns and foundational movement concepts will be examined as well. Includes teaching practicum with children ages 4 to 12 years. **OFFERED:** Sem. II.

## **PETE (cont.)**

- 3720 Sports, Physical Activity, and Recreation for Special Populations** 3 hrs. (3, 0)  
Introduces students to a variety of physical, mental, and emotional disabilities, including characteristics and behavior patterns. Physical activities and recreational activities, which are developmentally appropriate for all age groups and populations will be discussed, including their physical and social benefits. **OFFERED:** Sem. II, 2021-22.
- 3750 Instructional Strategies (6-12)** 3 hrs. (3, 1)  
Provides a laboratory experience in teaching methodology of physical education for grades 6-12. Requires planning and implementing lessons using a variety of teaching strategies. Considers sociological and psychological issues in student interactions. **EXPECTATION:** At least six hours of activity classes. **PREREQUISITE:** Junior standing; SPRL 1350, 2350, 2450. **OFFERED:** Sem. I. **LAST OFFERED:** 2023-24.
- 4260 Directed Experience in Teaching Physical Education** 3 hrs. (1, 3)  
Provides students with field experiences in teaching physical education within public schools prior to the student-teaching semester. Applies content knowledge, management strategies, motivational ideas, and pedagogical skills that they have learned in previous courses. Allows a real-life teaching situation so that students can test their skills with the guidance of a veteran public school teacher as a mentor. **PREREQUISITE:** Teaching major. PETE 3710, 3750. GPA of 2.75 or higher. **COREQUISITE:** PETE 4300. **EXPECTATION:** Passed Praxis Core Exam. Fee required. **OFFERED:** Sem. I. **LAST OFFERED:** 2024-25.
- 4300 Curriculum Development and Assessment in Physical Education** 3 hrs. (3, 2)  
Examines the integration of content, instruction, and assessment to the principles and practices of program development. Requires the creation of teaching documents that shape the physical education curriculum. Provides a field experience that promotes the application of curriculum development in three age-level settings. Reviews administrative issues facing physical education teachers. This course applies to the liberal arts writing-intensive requirement. **PREREQUISITE:** Teaching major. PETE 3710, 3750. GPA of 2.75 or higher. **COREQUISITE:** PETE4260. **EXPECTATION:** Passed Praxis Core Exam. **OFFERED:** Sem. I. **LAST OFFERED:** 2024-25.
- 4850 Practicum in Physical Education Teaching** 1-4 hrs. (arranged)  
Provides opportunity for independent work or field experiences in physical education teaching in area schools. **CONSENT:** Instructor. **PREREQUISITE:** Physical education teaching major; junior standing. **REPEAT:** May be repeated for a total of 8 hours. **GRADE:** CR/NC. **OFFERED:** Every semester as needed. **LAST OFFERED:** 2024-25.
- 4900 Technology Applications in Sport, Physical Activity, and Recreation** 2 hrs. (2, 1)  
Investigates and applies techniques and practice in the use of technology-based media, which supports and enhances sport, physical activity, and recreation programs. Emphasizes computer and smartphone applications that support teaching, coaching, and recreation (e.g., databases, PowerPoint, screencast, geocaching, etc.). This course applies to the liberal arts speaking-intensive requirement. **OFFERED:** Sem. I.

## *Sport and Recreational Leadership Program:*

### **SPRL Courses**

- 1350 Physical Activity Cluster I - Focus on Team Sports** 3 hrs. (0, 4)  
Develops content knowledge and instructional skills in selected team sports such as basketball, team handball, football, soccer, volleyball, softball, and ultimate. Emphasizes skill development, instructional strategies, rules and strategies, management, and assessment. **OFFERED:** Sem. I.
- 2350 Physical Activity Cluster II - Focus on Fitness/Wellness Activities** 3 hrs. (0, 4)  
Examines physical activity and fitness levels of various age groups while promoting a lifetime of physical activity. Develops content knowledge and instructional skills in fitness and wellness activities such as fitness games, dance, yoga, group exercise, water workouts, and weight training as well as fitness testing. **OFFERED:** Sem. I, 2021-22. Last Offered: 2022-23.

**SPRL (cont.)**

- 2450 Physical Activity Cluster III - Focus on Recreational Activities & Outdoor Pursuits 3 hrs. (0, 4)**  
Develops content knowledge and instructional skills in recreational and outdoor activities such as archery, golf, bowling, badminton, pickleball, tennis, Frisbee golf, adventure education, and outdoor pursuits. Emphasizes skill development, instructional strategies, rules and strategies, and management. Fee required. **OFFERED:** Sem. II.
- 2550 Youth and Adult Sports Programming 2 hrs. (2, 1)**  
Introduces planning, programming, and implementation of sports programs for youth and adults within such organizations as recreation centers, YMCAs, churches, camps, and businesses. **OFFERED:** Sem. I.
- 3150 Recreational Leadership 2 hrs. (2, 0)**  
Examines the essential elements and basic principles of organization and leadership of recreational and leisure programs, including planning and conducting organized programs in private and public agencies. Special emphasis will be given to the role of face-to-face leadership within recreational organizations. **OFFERED:** Sem. II.
- 3250 Legal Aspects of Sport and Recreation 3 hrs. (3, 0)**  
An examination of the laws and policies governing the various aspects of sport and sport business and their relationship to personal and professional ethics. The role of regulatory commissions and organizations in sport will be explored. **OFFERED:** Sem. II.
- 3300 Management of Sport Facilities and Events 3 hrs. (3, 0)**  
Designed to give students information and knowledge on the operation and management of athletic and recreational facilities. In addition, event planning, sponsorship, budgeting, management, and evaluation of athletic and recreational events will be emphasized. Fee required. **OFFERED:** Sem. II.
- 4850 Practicum in Sport and Recreational Leadership 3 hrs. (arranged)**  
Introduces planning, programming, and implementation of sports programs for youth and adults within such organizations as recreation centers, YMCAs, churches, camps, and businesses. **CONSENT:** Instructor. **PREREQUISITE:** Sport and recreational leadership major; junior standing. **REPEAT:** May be repeated up to 6 hours. **GRADE:** CR/NC. **OFFERED:** Every semester as needed.

# LIBERAL ARTS AND INTERCULTURAL STUDIES

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*Dr. Lambright, Prof. Coplin, Prof. Clay, Prof. Stankiewicz*

## LART Courses

- 1000 College Survival Skills** **2 hrs. (2, 0)**  
Provides an opportunity for students to learn and adopt methods to be successful in undergraduate work. Deals with basic academic, study, and life skills, and attitudes necessary for collegiate success. **OFFERED:** Sem. I, II, Summer.
- 1010 Strategies for Academic Success** **3 hrs. (3, 0)**  
Course introduces the concept of how emotional intelligence (EQ) and personal learning styles affect the student's ability to think critically and therefore improve learning. It provides an opportunity to assess and develop the basic EQ skills and study strategies necessary for academic success, including note-taking, test-taking, time management, communication skills, collegiate writing skills, presentation skills, and career planning. **OFFERED:** Sem. I, II.
- 1050 First-Year Experience Seminar** **1 hr. (1, 0)**  
This course is a holistic orientation during which students Reflect, Connect, and Grow intellectually, socially, and spiritually as part of AU's community. Students reflect upon AU's 5 core values and its distinctive Christian character while also connecting to the campus resources necessary for their success. Additionally, they grow as whole people by considering how their core values, individual strengths, and vocational call can work together to benefit their personal and professional future. **OFFERED:** Sem. I.
- 1100 Critical-Thinking Seminar** **2 hrs. (2, 0)**  
Cultivates critical-thinking, communication, and community-building skills common to most other university-level classes and useful for pursuing truth and living lives of faith and service. **OFFERED:** Sem. II.
- 1200 Career and Life Planning** **1 hr. (2, 0)**  
Addresses the role of decision-making skills in choosing a college major. Students assess interests, personality, skills, and values to assist them in finding the "best fit" among the majors and career options they are researching. Students also learn effective problem-solving skills that can be used over a lifetime for career and life-planning decisions. **PREREQUISITE:** This course is designed for the undecided freshman or sophomore student but is open to juniors and seniors with instructor's consent. **OFFERED:** Sem. I.
- 2900 Student-Leadership Seminar** **1 hr. (1, 0)**  
Through this course, students will explore the discipline of leadership. With a biblical framework, applicable themes will give students practical ways to reflect on their strengths and grow in their skills as leaders. **OFFERED:** Sem. I, II.
- 4500 Critical Thinking and Transformative Development** **3 hrs. (3, 0)**  
Course focuses on transforming learning from the classroom to the real world through the assessment and development of the six major areas and 16 subcomponents of emotional intelligence (EQ). Students incorporate a variety of methods to enhance the critical-thinking skills and EQ skills necessary to positively affect decision-making skills and personal, collegiate, and professional relationships that define success. This course applies to the liberal arts speaking-intensive requirement. **OFFERED:** Sem. I, Summer.

## INCS Courses

- 3850 Practicum in Service Experience** **1-4 hrs. (arranged)**  
Participation in an intercultural service/learning experience. This course is generally offered in conjunction with a Tri-S program. **CONSENT:** Instructor. **OFFERED:** Sem. I, II; Summer.

# MATHEMATICS

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*Dr. C. Taylor, chair; Dr. Lambright, Dr. Van Groningen*

The program in mathematics has three major objectives: to provide the non-specialist with some understanding of the contributions of mathematics to cultural development; to offer students in natural, social, and behavioral sciences the mathematics necessary for understanding their own fields of interest; and to prepare mathematics majors for graduate study, for teaching at the secondary level, or for work in business and industry.

Students considering careers in mathematics should realize that the emphasis in mathematics courses changes as progress is made through the undergraduate program. The early emphasis on problem solving is later subordinated to the task of formulating and dealing effectively with mathematical structures and abstract ideas.

Students who have pursued accelerated mathematics programs in high school may request advanced placement. Such requests should be made through correspondence with the department chair before registration. Credit, if granted for high school work in calculus or statistics, is through the Advanced Placement Program of the College Entrance Board. Consult with the chair of the Department of Mathematics or the Office of the University Registrar for details.

Students who plan to major in mathematics should consult the chair of the department as soon as possible. Students interested in actuarial science should consider the mathematics-finance major.

## MAJORS

### MATHEMATICS MAJOR, BACHELOR OF ARTS (30 hrs.)

- MATH 2010, 2020, 3010, 3020, 4000
- One course numbered MATH 4010 or above
- At least two additional courses numbered MATH 3100 or above
- If necessary, remaining hours from additional MATH courses
- MATH 1000, 1100, 1110, 1220, 1250, 1300, 1400, 4700 do not apply toward the major

### MATHEMATICS MAJOR, BACHELOR OF SCIENCE (47 hrs.)

- MATH 2010, 2020, 2200, 3010, 3020, 3300, 4000
- MATH 2120 or MATH 4010
- MATH 4100 or MATH 4200
- An additional 3 credit hours from MATH courses numbered 3100 or higher, excluding MATH 4700
- ENGR 2310
- CPSC 2320
- PHYS 2240
- An additional 4 credit hours from CHEM 2110 or above, PHYS 2250 or above, BIOL 2210 or above

### MATHEMATICS-DECISION SCIENCE MAJOR, BACHELOR OF ARTS (53 hrs.)

- MATH 2010, 2020, 2120, 3010, 3020, 3200, 4000, 4010
- One of MATH 3100, 3300, 3400
- BSNS 2710, 2810, 3240, 3510, 4110, 4330
- A 3-hour independent study course combining mathematics and decision science

### MATHEMATICS-ECONOMICS MAJOR, BACHELOR OF ARTS (38 hrs.)

- MATH 2010, 2020, 3010, 3020, 4000, 4010
- ECON 2010, 2020, 3020, 3410
- Remaining hours from additional upper-division MATH and ECON courses

#### MATHEMATICS-FINANCE MAJOR, BACHELOR OF ARTS (53 hrs.)

- MATH 2010, 2020, 2120, 3010, 3020, 3400, 4000, 4010
- One of MATH 3100, 3200, 3300
- ACCT 2010
- BSNS 2510, 3350, 4150
- ECON 2010, 2020, 3410

#### MATHEMATICS TEACHING MAJOR, BACHELOR OF ARTS (40 hrs.)

- MATH 2010, 2020, 2200, 2300, 3010, 3020, 4000, 4100, 4200
- MATH 2120 or 4010
- One course from MATH 3100, 3200, 3300, 3400
- MATH 4700
- In addition to these requirements, students pursuing a teaching major must also meet additional requirements listed in the Department of Teacher Education section of this catalog.

#### MATHEMATICS MINOR (16 hrs.)

- MATH 2010, 2020
- Additional hours from MATH courses numbered 2120 or above

### MATH Courses

#### **1000 Introductory Algebra**

**2 hrs. (2, 0)**

Basic algebra course designed for students who need to meet the curricular mathematical proficiency requirement. Topics include whole numbers, fractions, decimals and percentages, ratios and proportions, polynomials, algebraic solutions of linear and quadratic equations, word problems, and systems of equations. Does not apply toward mathematics major or minor. **PREREQUISITE:** Placement by mathematics entrance examination. **GRADE:** CR/NC. **OFFERED:** Sem. I, II.

#### **1100 Elementary Mathematics-Numeration Systems**

**4 hrs. (4, 0)**

Elementary foundations course for students preparing for elementary and middle school education. Includes deductive reasoning, the algebra of sets, numeration systems, properties of natural numbers, integers, rational numbers, real numbers, and data analysis. Does not apply toward mathematics major or minor. **PREREQUISITE:** Mathematics proficiency. **OFFERED:** Sem. I.

#### **1110 Elementary Mathematics-Geometry**

**3 hrs. (3, 0)**

Includes point-set geometry, linear and angular measurement concepts, area and volume, transformational geometry, and probability. Designed particularly for elementary and middle school education majors. Does not apply toward mathematics major or minor. **PREREQUISITE:** Mathematics proficiency. **OFFERED:** Sem. II.

#### **1220 Advanced Algebra and Trigonometry**

**3 hrs. (3, 0)**

A course designed in order to fully prepare students for MATH 2010. Topics include right triangle trigonometry, trigonometric identities and equations, complex numbers, laws of sines and cosines, trigonometric, exponential, and logarithmic functions, analytic geometry, and conic sections. Does not apply toward mathematics major or minor. **PREREQUISITE:** Mathematics proficiency. **OFFERED:** Sem. I.

#### **1250 Explorations in Mathematics**

**3 hrs. (3, 0)**

A course designed for students to explore different areas of college-level mathematics. Students will appreciate the relevance of mathematics through real-life applications. Emphasis will be placed on critical reasoning, problem solving, and the clear communication of mathematical ideas. Topics will be chosen from mathematics of finance, mathematical modeling, probability and statistics, voting theory, infinity, and logic. Does not apply toward mathematics major or minor. **PREREQUISITE:** Mathematics proficiency. **OFFERED:** Sem. II.

## MATH (cont.)

- 1300 Finite Mathematics** **3 hrs. (3, 0)**  
Topics include introduction to counting techniques, probability, systems of linear equations and matrices, linear programming, Markov chains, and the mathematics of finance. Does not apply toward mathematics major or minor. **PREREQUISITE:** Mathematics proficiency. **OFFERED:** Sem. I, II.
- 1400 Applied Calculus** **4 hrs. (4, 0)**  
Topics include functions, limits, derivatives, applications of derivatives, integration, and applications of integration. Functions considered are polynomial, rational, logarithmic, and exponential functions. Emphasis is on computational skill and problem solving. Applications are taken from management, life sciences, and social sciences. Does not apply toward mathematics major or minor. **EXPECTATION:** Two years of high school algebra. **PREREQUISITE:** Mathematics proficiency. Not open to students with a grade of C or better in MATH 2010 or its equivalent. **OFFERED:** With sufficient demand.
- 2010 Calculus I** **4 hrs. (4, 0)**  
Introduction to plane analytic geometry, functions, limits, continuity, differentiation of algebraic and trigonometric functions, application of the derivative, and indefinite and definite integrals. **EXPECTATION:** Two years of high school algebra, plane geometry, and trigonometry, MATH 1220, or passing score on Calculus Readiness Exam. **PREREQUISITE:** Mathematics proficiency. **OFFERED:** Sem. I, II.
- 2020 Calculus II** **4 hrs. (4, 0)**  
Continuation of MATH 2010. Attention given to methods of integration of algebraic and transcendental functions, curves given in polar coordinates, curves given by parametric equations, applications of integration, introduction to ordinary differential equations, and infinite sequences and series. **PREREQUISITE:** Grade of at least C- in MATH 2010. An appropriate AP score may waive the prerequisite; see department chair. **OFFERED:** Sem. II.
- 2120 Introductory Statistics with Applications** **4 hrs. (4, 0)**  
Descriptive statistics; binomial, normal, and chi-square distributions; sampling distributions; estimation; hypothesis testing; simple linear regression; and analysis of variance. **EXPECTATION:** Two years of high school algebra. **OFFERED:** Sem. I, II.
- 2200 Discrete Mathematical Structures** **4 hrs. (4, 0)**  
Topics include Boolean algebra, computer logic, relations and functions, logic and proof techniques, combinatorics, algebraic structures, and graph theory. **PREREQUISITE:** Mathematics proficiency. **SAME AS:** CPSC 2250. **OFFERED:** Sem. II.
- 2300 College Geometry** **3 hrs. (3, 0)**  
Presents an axiomatic basis for Euclidean geometry and provides insight into the interdependence of various theorems and axioms. Topics include incidence and order properties, congruence, absolute and non-Euclidean geometry, the parallel postulate, and the real numbers and geometry. **PREREQUISITE:** MATH 2010. **OFFERED:** Sem. II, 2021-22.
- 3010 Linear Algebra with Differential Equations** **4 hrs. (4, 0)**  
Introduction to algebra and geometry of  $R^3$  and its extension to  $R^n$ . Topics include vector spaces and linear transformations, systems of linear equations and their solutions, matrices and determinants, eigenvalues, eigenvectors, and the solution and applications of linear ordinary differential equations. **PREREQUISITE:** Grade of at least C- in MATH 2010. **OFFERED:** Sem. I.
- 3020 Calculus III** **4 hrs. (4, 0)**  
Continuation of MATH 2020. Attention given to multi-dimensional calculus and its applications. Topics include partial differentiation, multiple integration, three-dimensional analytic geometry, and vector calculus. **PREREQUISITE:** MATH grade of at least C- in 2020, grade of at least C- in 3010. **OFFERED:** Sem. II.
- 3100 Differential Equations** **3 hrs. (3, 0)**  
Methods of solving ordinary differential equations and their applications to life sciences, physics, and chemistry. Topics covered will include first and second order homogenous and nonhomogenous equations, first order systems, Laplace transforms, series solutions, and an introduction to partial differential equations. **PREREQUISITE:** Grade of at least C- in MATH 2020. **OFFERED:** Sem. II.

## MATH (cont.)

- 3200 Mathematical Models** **3 hrs. (3, 0)**  
Formation and study of mathematical models used in business, social, and biological sciences. Mathematical topics include N-person games, networks, Markov processes, application of graphs and digraphs, apportionment, and group decision making. **PREREQUISITE:** Mathematics proficiency. **OFFERED:** Sem. II, 2022-23.
- 3300 Numerical Analysis** **3 hrs. (3, 0)**  
Introduction to numerical algorithms fundamental to scientific and mathematical computer use. Includes root finding methods; polynomial interpolation; numerical integration and differentiation; matrix equations; numerical solutions to differential equations. **PREREQUISITE:** CPSC 1400, MATH 2020. **SAME AS:** CPSC 3300. **OFFERED:** Sem. I, 2021-22.
- 3400 Mathematics of Finance** **3 hrs. (3, 0)**  
A course designed to introduce the fundamental concepts of financial mathematics with an emphasis on interest theory. Topics include mathematical foundations of the following: present and accumulated values, annuities, loans, bonds, financial markets, arbitrage, and financial derivatives. This course serves as a foundation for the second actuarial exam (FM/2). **PREREQUISITE:** MATH 2020. **OFFERED:** Sem. I, 2022-23.
- 4000 Problem Seminar** **2 hrs. (2, 0)**  
Introduction to research techniques based on problems from parts of the regular curriculum such as calculus, linear algebra, probability, and statistics. Emphasis on problems from the required core of the curriculum — problems that are integrative in nature. This course applies to the liberal arts speaking-intensive requirement. **PREREQUISITE:** Senior standing. **OFFERED:** Sem. I.
- 4010 Mathematical Statistics** **4 hrs. (4, 0)**  
Probability distributions, expectation, mean, variance, moment generating functions, special distributions, unbiasedness, maximum likelihood, confidence intervals, and hypothesis testing. **PREREQUISITE:** MATH 3010. **OFFERED:** Sem. I.
- 4100 Real Analysis** **3 hrs. (3, 0)**  
Careful study of the real number system with attention given to the study of real-valued functions, metric spaces, sequences, continuity, differentiation, and integration. **PREREQUISITE:** MATH 3010. **OFFERED:** Sem. I, 2022-23.
- 4200 Abstract Algebra** **3 hrs. (3, 0)**  
Consideration of fundamental concepts of modern algebra. Includes groups, rings, integral domains, and fields along with isomorphisms, homomorphisms, normal subgroups, and quotient groups. **PREREQUISITE:** MATH 3010. **OFFERED:** Sem. I, 2021-22.
- 4650 Independent Study** **1-3 hrs. (arranged)**  
Selected topics in higher mathematics. Total combined credit from MATH 4650 and 4900 may not exceed 12 hours. **CONSENT:** Department chair.
- 4700 Methods in Teaching Mathematics** **2 hrs. (2, 0)**  
**PREREQUISITE:** MATH 3020. **OFFERED:** Sem. I.
- 4900 Seminar** **1-3 hrs. (arranged)**  
Seminars in algebra, analysis, topology, set theory, complex variables, non-Euclidean geometry, and applied mathematics. Total combined credit in MATH 4650 and 4900 may not exceed 12 hours. **CONSENT:** Department chair. **OFFERED:** With sufficient demand.

# MODERN FOREIGN LANGUAGES AND CULTURES

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*Dr. T. Fox, chair; Prof. Clay, Dr. Grayson*

In an increasingly interdependent world, the study of other languages and cultures has become a fundamental part of every student's education. Knowledge of at least one foreign language and familiarity with cultures and societies different from one's own not only equip university graduates to take responsible and active roles as world citizens but also enhance their effectiveness in a range of professions, including, but not limited to, banking, business, computer science, education, film, government, health care, journalism, law, management, missions, and social work.

A major in Spanish offers students a triple focus: language, culture, and literature. A minor in Spanish or French offers a double focus in language and culture. After successful completion of the program, majors will be equipped to do the following:

- comprehend and interpret written and spoken language;
- express themselves in the written and spoken word of that language;
- have a fundamental understanding of the literature and civilizations of the countries represented by the target language; and
- value other cultures as fellow global citizens.

A departmentally approved foreign study experience (minimum of six credit hours and FLAN 3500) where the target language is spoken is required of all majors and strongly recommended for all minors.

## MAJORS

### SPANISH MAJOR (43-45 hrs.)

- 33 SPAN hours including the following:
  - SPAN courses beyond SPAN 2010 or equivalent, including 2020, 3010, 3020, 3140, 3400 or 3440, one 4-hour literature class at the 4xxx level
  - At least 6 hours via study abroad or approved intensive experience
  - Elective SPAN courses necessary to reach 33 hours
- FLAN 3500
- FLAN 4900
- A two-semester sequence (6-8 hours) in one other modern foreign language

## COMPLEMENTARY MAJORS

### SPANISH COMPLEMENTARY MAJOR (30 hrs.)

- 26 hours from the following:
  - SPAN courses beyond 2010 or equivalent, including 2020, 3010, 3020, 3140, 3400 or 3440, and one literature class at the 4xxx level
  - At least 6 hours via study abroad or approved intensive experience
  - Elective SPAN courses necessary to reach 26 hours
- FLAN 3500
- FLAN 4900

## MINORS

### FRENCH/GERMAN STUDIES MINOR (15-16 hrs.)

- This course of study includes:
  - 2 courses in the target language (8 hours of FREN or GERM caption)
  - one 3 hour history course that studies the target country
  - one 4 hour Language and Society course (FLAN 2000)

*French Studies Minors may opt to take FLAN 3400 (4 hrs.) instead of FLAN 2000.*

*Students completing language courses or history course during study abroad may opt out of FLAN 2000, instead taking FLAN 3500 followed by FLAN 4900 to complete the minor.*

### SPANISH MINOR (18 hrs.)

- 18 hours from SPAN courses beyond 1020 or equivalent, including 3010 and 3020

## EDUCATION MAJORS

Requirements for teaching Spanish (P-12) include completion of specific courses in the subject area and in professional education. Students planning to teach a foreign language will work closely with both the Department of Modern Foreign Languages and Cultures and the Department of Teacher Education.

### SPANISH EDUCATION MAJOR (91-93 hrs.)

- 35 SPAN hours beyond 2010 or equivalent, including: SPAN 2020, 3010, 3020, 3140, 3200, 3400, 3440; 4350 or 4360; 4370 or 4380; elective SPAN courses necessary to reach 35 hours
- At least 6 of the above SPAN hours earned via study abroad or approved intensive experience 7 hours via FLAN 3500, 4700, 4900
- One 3-4 hour course in one other modern foreign language (such as FREN or GERM)
- Either an additional 3-4 SPAN hours (beyond the 35) or an additional 3-4 hour course in another modern foreign language
- 43-hour education core, including: EDUC 2000, 2100, 2110, 2460, 2520, 2860, 3000, 3100, 3120, 4010, 4710 or 4120 (with advisor and instructor approval), 4930; SPED 2400

*Because of other requirements in the major, teaching majors may take the Latin American and Spanish literature classes for 3 hours rather than 4, with instructor permission.*

## FLAN Courses

### **2000 Language and Society**

**4 hrs. (4, 0)**

This course introduces the study of language in the context of historical, grammatical, biological, and social issues. Our nationalities, our family histories, our speech communities, our social standings, and our education all influence the ways in which we use language. This course examines the many ways people use and manipulate language according to their individual background to make themselves understood and/or to achieve specific goals in different social settings. **OFFERED:** Sem. II.

### **3400 The French- and Spanish-Speaking Caribbean**

**3 hrs. (3, 0)**

Explores the dynamic convergence of cultures, races, and religions that comprise the French- and Spanish-speaking Caribbean. Primary focus is placed on the cultures of Haiti, the French Antilles, Cuba, Puerto Rico, and the Dominican Republic, through their history, literature, language, politics, art, and religious expression. Emphasis is put on the complex interrelation of these elements, which have formed the contemporary identity of the region. This course is taught in English. **OFFERED:** Sem. II.

## FLAN (cont.)

- 3500 Immersive Experience: Cultural, Linguistic, and Personal** **1 hr. (1, 0)**  
Designed for the language majors studying abroad or completing an intensive language/culture experience domestically., This course systematically gives them orientation prior to the experience, prepares them for life abroad or in their immersive experience, and helps them process the experience while engaged in it and upon return to campus. **CONSENT:** Department Chair. **PREREQUISITE:** FREN/SPAN 2020 or instructor permission. **GRADE:** CR/NC. **OFFERED:** Sem. I, II.
- 4700 Methods in Teaching Foreign Languages** **3 hrs. (3, 0)**  
Provides the foreign-language teaching candidate with both a theoretical and practical base from which to draw when entering the field of foreign-language teaching. Various theories, approaches, and methods for foreign-language teaching and learning will be presented, although it should be noted that contemporary communicative and standards-based teaching concepts will predominate. Students taking this course should have advanced-level strengths in the language(s) they plan to teach. Field Experience Required. Required of Spanish Education majors. **CONSENT:** Instructor. **OFFERED:** Sem. I with sufficient demand.
- 4900 Senior Seminar in Foreign Languages** **3 hrs. (3, 0)**  
Addresses openness to truth and Christian commitments and practices from a global perspective of foreign languages and cultures. Includes required readings, in-depth discussions, and a major project and presentation. Taught in English. Required of all Spanish teaching and non-teaching majors. Recommended for French and Spanish minors. This course applies to the liberal arts writing and speaking-intensive requirement. **CONSENT:** Instructor. **OFFERED:** Sem. I.

## FREN Courses

- 1010 Elementary French I** **4 hrs. (3, 1)**  
Emphasizes development of fundamental language skills (listening, speaking, reading, and writing) and appreciation of Francophone cultures. Individual online or outside language laboratory work is required. **PREREQUISITE:** Placement. **OFFERED:** Sem. I, II.
- 1020 Elementary French II** **4 hrs. (3, 1)**  
Emphasizes development of fundamental language skills (listening, speaking, reading, and writing) and appreciation of Francophone cultures. Individual online or outside language laboratory work is required. **PREREQUISITE:** Placement or FREN 1010. **OFFERED:** Sem. I, II.

## GERM Courses

- 1010 Elementary German I** **4 hrs. (3, 1)**  
Emphasizes development of fundamental language skills (listening, speaking, reading, and writing) and appreciation of Germanic cultures. Individual online or outside language laboratory work is required. **PREREQUISITE:** Placement. **OFFERED:** Sem. I.
- 1020 Elementary German II** **4 hrs. (3, 1)**  
Emphasizes continued development of fundamental language skills (listening, speaking, reading, and writing) and appreciation of Germanic cultures. Individual online or outside language laboratory work is required. **PREREQUISITE:** Placement or GERM 1010. **OFFERED:** Sem. II.
- 2010 Intermediate German I** **4 hrs. (3, 1)**  
Communicative tasks and culture-oriented readings. Continued development of basic skills in reading, writing, listening, and speaking. Individual online or outside language laboratory work is required. **PREREQUISITE:** Placement or GERM 1020. **OFFERED:** With sufficient demand.

## SPAN Courses

- 1010 Elementary Spanish I** 4 hrs. (3, 1)  
Emphasizes development of fundamental language skills (listening, speaking, reading, and writing) and appreciation of Spanish-speaking cultures. Individual online or outside laboratory work is required. **PREREQUISITE:** Placement. **OFFERED:** Sem. I, II.
- 1020 Elementary Spanish II** 4 hrs. (3, 1)  
Emphasizes continued development of fundamental language skills (listening, speaking, reading, and writing) and appreciation of Spanish-speaking cultures. Individual online or outside laboratory work is required. **PREREQUISITE:** Placement or SPAN 1010. **OFFERED:** Sem. I, II.
- 2010 Intermediate Spanish I** 4 hrs. (3, 1)  
Emphasis on increasing language proficiency in the areas of listening, speaking, reading, and writing through review of beginning Spanish as well as increased emphasis on understanding the diverse Spanish-speaking cultures through cultural readings, films, internet, and other sources at the intermediate level. Individual online or outside laboratory work is required. **PREREQUISITE:** Placement or SPAN 1020. **OFFERED:** Sem. I, II.
- 2020 Intermediate Spanish II** 4 hrs. (3, 1)  
Emphasis on increasing language proficiency in the areas of listening, speaking, reading, and writing, as well as increased emphasis on understanding the diverse Spanish-speaking cultures through cultural readings, films, internet, and other sources. Introduction to literary readings. Individual online or outside laboratory work is required. **PREREQUISITE:** Placement or SPAN 2010. **OFFERED:** Sem. I, II.
- 3010 Spanish Composition** 4 hrs. (4, 0)  
This course builds upon intermediate Spanish to introduce students to authentic readings, short films, and music at the early advanced level. It emphasizes the skill areas of reading and writing to help students develop the writing skills needed for such common tasks as blogging, storytelling, reporting upon events, and persuading others in a formal essay. Students will work towards the goal of having their language be understood by native speakers who do not regularly interact with non-natives. Required of all Spanish majors and minors. This course applies to the liberal arts writing-intensive requirement. **PREREQUISITE:** Placement or SPAN 2020. **OFFERED:** Sem. I, II.
- 3020 Spanish Conversation** 4 hrs. (3, 1)  
Designed to increase students' abilities to deal orally and culturally with a variety of subjects related to everyday life, employment, current events, and travel. Includes review of Spanish grammar, development of more fluent command of oral patterns, and more active control of vocabulary. Practice with native Spanish speakers required in a practicum setting. Required of all Spanish majors and minors. This course applies to the liberal arts speaking-intensive requirement. **EXPECTATION:** SPAN 2020. **OFFERED:** Sem. II.
- 310x Spanish for the Professions** 4 hrs.  
Designed for students combining a Spanish major or minor with a major in an area of business, health care, ministry, social work, or law enforcement, this course will give students the linguistic and cultural knowledge needed to function in Spanish in their designated fields. Only one section of SPAN 310X may be counted toward completion of the Spanish major or minor. **EXPECTATION:** SPAN 2020.
- 3101 Spanish for Health Care** 4 hrs. (4, 0)  
    **OFFERED:** Sem. I, 2021-22.
- 3102 Spanish for Ministry** 4 hrs. (4, 0)  
    **OFFERED:** With sufficient demand.
- 3103 Spanish for Social Work and Criminal Justice** 4 hrs. (4, 0)  
    **OFFERED:** With sufficient demand.
- 3104 Spanish for Business** 4 hrs. (4, 0)  
    **OFFERED:** With sufficient demand.

SPAN (cont.)

- 3140 Spanish Phonetics** 3 hrs. (2, 1)  
This course provides a survey of topics in Spanish phonetics and phonology, designed to help the non-native speaker develop accurate pronunciation and intonation. Introduction to phonetic transcription, basic concepts of linguistic science, and contrasts with English pronunciation patterns. Requires speaking and listening activities outside of class. Required of all Spanish majors. **PREREQUISITE:** SPAN 2020. **OFFERED:** Sem. I.
- 3200 Advanced Spanish Grammar and Translation** 3 hrs. (3, 0)  
In-depth review of grammar with the goal of refining students' understanding and use of written Spanish. Includes oral and written exercises, vocabulary-building exercises, and translations. Emphasis on finer points of Spanish grammar as compared to English. **PREREQUISITE:** SPAN 3010, 3020. **OFFERED:** With sufficient demand.
- 3240 Strategies for Advanced Spanish Proficiency** 1-2 hrs. (1-2, 0)  
The purpose of this course is to increase communicative proficiency in one or more domains (listening, speaking and/or writing) in Spanish and to provide the life-long learner with strategies for maintaining and continuing to grow language skills. Instructor and student will collaborate on an individualized action plan and communicate regularly to assess progress, make changes, etc. By the end of the course, a new growth plan will be submitted to encourage and enable ongoing language proficiency development. **REPEAT:** May be repeated once with instructor permission for a maximum of 2 hours. **PREREQUISITE:** SPAN 3010 or 3020.
- 3400 Spanish Civilization and Culture** 3 hrs. (3, 1)  
Geography and cultural history of Spain. Present political situation, education, art, music, and everyday life. **PREREQUISITE:** SPAN 3010, 3020. **OFFERED:** Sem. I, 2022-23.
- 3440 Spanish-American Civilization** 3 hrs. (3, 1)  
Survey of Spanish-American culture, pre-Columbian to the present. Socioeconomic problems and relationships with the United States. **PREREQUISITE:** SPAN 3010, 3020. **OFFERED:** Sem. I, 2021-22.
- 4350 Survey of Latin American Literature I: Worlds and Voices** 3-4 hrs. (4, 0)  
Writers and movements in Latin American literature from the Colonial period through modernism within their cultural-historical context. Special attention will be paid to literary theory and an introduction to academic writing. Standard enrollment is 4 hours; enrollment in the course for 3 hours is by instructor's permission. **PREREQUISITE:** SPAN 3010, 3020. **OFFERED:** Sem. II, 2021-22.
- 4360 Survey of Latin American Literature II: Evolution and Revolution** 3-4 hrs. (4, 0)  
Writers and movements in Latin American literature from modernism to the present within their cultural-historical context. Special attention will be paid to literary theory and an introduction to academic writing. Standard enrollment is 4 hours; enrollment in the course for 3 hours is by instructor's permission. **PREREQUISITE:** SPAN 3010, 3020. **OFFERED:** Sem. I, 2020-21.
- 4370 Survey of Peninsular Literature I: Saints and Sinners** 3-4 hrs. (4, 0)  
An examination of narrative, poetry, and theatre written by/about several of Spain's prominent saints and sinners (both historic and active) from the Medieval period through the Early Modern period. Special attention will be paid to literary theory and an introduction to academic writing. Standard enrollment is 4 hours; enrollment in the course for 3 hours is by instructor's permission. **PREREQUISITE:** SPAN 3010, 3020.
- 4380 Survey of Peninsular Literature II: Obedience or Revolution?** 3-4 hrs. (4, 0)  
An examination of narrative, poetry, theatre, and film that explores how the decline of Spanish political power affected both individuals and society from the Romantic period to the 21st century. Special attention will be paid to literary theory and an introduction to academic writing. Standard enrollment is 4 hours; enrollment in the course for 3 hours is by instructor's permission. **PREREQUISITE:** SPAN 3010, 3020. **OFFERED:** Sem. II, 2021-22.
- 4500 Special Topics** 3-4 hrs. (3, 0)  
Group study on selected topics. **CONSENT:** Department chair. **OFFERED:** With sufficient demand.

**SPAN (cont.)**

**4550 Intensive Experience in Spanish**

**1-6 hrs. (arranged)**

Students will participate in an internship, practicum, or other intensive language experience to be approved by the MFLC Department that gives them the linguistic and cultural challenges that improve their listening, speaking and cross-cultural proficiencies and competencies. Students will enroll in at least one hour of SPAN 3240 prior to or at the start of this course. May be repeated for a total of 6 hours to fulfill study abroad requirement. **PREREQUISITE:** SPAN 3010, 3020. **OFFERED:** Sem. I, II.

**4650 Directed Individual Study**

**1-4 hrs. (arranged)**

Readings or special interest project to help majors coordinate their work in other Spanish courses. May be completed in a Spanish-speaking country. **CONSENT:** Department chair.

**4660 Directed Individual Study**

**1-4 hrs. (arranged)**

Readings or special interest project to help majors coordinate their work in other Spanish courses. May be completed in a Spanish-speaking country. **CONSENT:** Department chair.

***Note on placement and credit:** Students who place into the Spanish 2020 or 3010 level and successfully pass these courses with a C- or above may request retro-credit for Spanish 2010 or 2020 to count toward a Spanish minor or major (respectively). The retro-credit will appear on their Anderson University transcript as Spanish 2015 and Spanish 2025 for purposes of differentiation within the liberal arts core processing system.*

# MUSIC, THEATRE, AND DANCE

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*Dr. Wright, dean; Dr. Brandon, Dr. Brooks, Dr. R. Chappell, Prof. D. Coolidge, Prof. Hicks, Dr. Holmes, Prof. Stoneking, Prof. Thacker, Prof. Waller, Prof. E. Yetter;*

*Prof. Agresti, Dr. Ahn, Prof. Brinson, Prof. Carter, Prof. M. Chappell, Prof. M. Coolidge, Prof. Edie, Prof. Evans, Dr. Fan, Prof. Garner, Prof. Hachiya-Weiner, Prof. Haight, Prof. Hetrick, Prof. Howlett, Prof. D. Huntoon, Prof. Johnson, Prof. King, Prof. Kniffin, Prof. Kumi, Prof. Lallathin, Prof. Lucas, Prof. Mannell, Prof. Nestor, Prof. Powell, Prof. Reiberg, Prof. Rhine, Prof. Rice, Prof. Robbins, Dr. Rodgers, Prof. Romano, Prof. Schmidt, Prof. Shaver, Prof. Shepard, Prof. Silveus, Prof. Sirotkin, Prof. Swanson, Prof. Taylor, Prof. Thiemet, Prof. Williams, Prof. Witzel, Prof. M. Yetter, Dr. York*

The School of Music, Theatre, and Dance offers Bachelor of Music degrees in music education, musical theatre, voice performance, and instrumental performance; Bachelor of Arts degrees in music, music business, songwriting, worship arts and dance; complementary majors in music, musical theatre and dance; two music minors; a theatre minor; and a dance minor. The School of Music, Theatre, and Dance also endeavors to give all students opportunities for creative experiences in the performing arts by encouraging the development of artistry and scholarship through classes, private music study, and performance.

Students intending to become music majors, musical theatre majors, or dance majors should consult the School of Music, Theatre, and Dance website for audition forms and requirements, and the Music Handbook or the Dance Handbook for admission and retention policies. All prospective music, musical theatre, and dance majors must complete an audition for admission to the School of Music, Theatre, and Dance. All freshmen must complete the freshman curriculum in music or dance with grades of C- or better before registering for upper-level courses in music or dance.

## FRESHMAN CURRICULUM FOR MUSIC AND DANCE

The freshman curriculum in music consists of the following courses (12 hrs.):

- 6 hours from MUSC 1010, 1020 (theory)
- 2 hours from MUSC 1030, 1040 (aural comprehension)
- 4 hours from MUPF 1050, 1060 (keyboard class)

The freshman curriculum in dance consists of the following courses (6 hrs.):

- 4 hours from:
  - DANC 1220, 2220, 3220 (modern dance) or
  - DANC 1320, 2320, 3320 (jazz dance) or
  - DANC 1420, 2420, 3420 (ballet)
- 1 hour of DANC 1580 (Dance Improvisation I)
- 1 hour of DANC 1590 (Dance Composition I)

The freshman curriculum for music and dance may be attempted only twice. Withdrawal from a freshman course counts as one attempt to pass the course. Transfer students must take examinations to determine class placement in music or dance freshman courses and must pass the freshman curriculum with grades of C- or better by the end of their fourth semester of college study, or second semester at AU, in order to continue in the major. Students who wish to begin a major in music or dance after completing their fourth semester of college study must complete the freshman curriculum with grades of C- or better on the first attempt. Students who wish to retake a course in the music or dance freshman curriculum after their fourth semester of college study must petition the dean of the School of Music, Theatre, and Dance in writing for permission to do so.

## UPPER-DIVISION PERFORMANCE EVALUATION (UDPE)

Students in music, musical theatre, or dance are required to pass the Upper-Division Performance Evaluation (UDPE) to advance to 3000- and 4000-level private music study or dance study, perform a junior or senior recital, continue a performance emphasis, or register for music education methods courses or student teaching. Students usually take the UDPE at the end of the sophomore year.

## MUSIC ENSEMBLES

All music majors must participate in approved major ensembles each semester of enrollment (see Music Handbook for a list of approved major ensembles). Music minors are required to participate in ensembles for four semesters. Students participate in an ensemble for 1 hour of credit or 0 hours of credit if taking 18 hours of other courses.

## DANCE ENSEMBLES

All dance majors must register for DANC 1150 (Dance Repertory) and DANC 1160 (Dance Production) as required by your track, and are also required to audition for the dance guest artist(s) works. Dance minors must register for DANC 1150 and DANC 1160 in one semester. Students participate in these courses for 1 hour of credit or 0 hours of credit if taking 18 hours of other courses.

## PRIVATE MUSIC STUDY

Music majors earn 1-3 hours of credit by taking weekly one-hour private lessons. Elective students earn 1 hour of credit by taking weekly half-hour or one-hour lessons. Participation in studio classes, studio recitals, and general student recitals is part of private study at Anderson University.

## BACHELOR OF MUSIC DEGREE:

### VOICE PERFORMANCE MAJOR (80 hrs.)

- MUSC 1010, 1020, 1030, 1040, 2010, 2020, 2030, 2040, 2110, 2330, 3120, 3130
- MUED 2470
- MUBS 3470
- 4 hours from MUPF 1050, 1060, 1710, 2030, 2040, 2710
- MUPF 4910

#### Pedagogy and Literature:

- MUED 2510, 2520, 3350
- MUSC 3390

#### Applied Study:

- 18 hours of private study in the primary performance area, including a half recital in the junior year and a full recital in the senior year

#### Related Skills:

- THEA 2110, 2120, 2210
- 4 hours from MUPF 1150, 1160, 1170
- 3 hours from DANC technique courses

*Majors are required to take French or German to fulfill foreign language requirements*

### INSTRUMENTAL PERFORMANCE MAJOR (80 hrs.)

- MUSC 1010, 1020, 1030, 1040, 2010, 2020, 2030, 2040, 2110, 2330, 3040, 3120, 3130
- MUED 2470, 3480
- MUBS 3470
- 2 hours from MUSC 3030, 3100, 4900; MUBS 2050
- 6 hours from MUPF 1050, 1060, 1710, 2030, 2040

#### Pedagogy and Literature (select one track):

- Piano: MUED 3370; MUSC 3380; MUPF 2060
- Instrumental: MUSC 3650 (2 hours in literature study); MUED 3330; MUPF 2060

Applied Study:

- 22 hours of private study in the primary performance area, including a half recital in the junior year and a full recital in the senior year
- 7 hours of major ensembles
- 2 hours of chamber ensembles

**MUSIC EDUCATION MAJOR, GRADES K-12, ALL AREAS (101 hrs.)**

- MUSC 1010, 1020, 1030, 1040, 2010, 2020, 2030, 2040, 2110, 2330, 3030, 3040
- 6 hours from MUSC 3110, 3120, 3130
- MUPF 1050, 1060
- 2 hours from MUPF 1710, 2030, 2040
- MUED 1000, 1100, 1200, 1300, 1400, 2470, 3100, 3110, 3120, 3130, 3470, 3480, 4700
- 2 hours from MUED 3330, 3350, 3370
- 2 hours from MUED 2510, 2520, 3460
- 8 hours of applied music lessons, including a half recital
- EDUC 2100, 2110, 3120, 4010; EDUC 4120 or 4710; SPED 2400

**MUSICAL THEATRE MAJOR (80 hrs.)**

- MUSC 1010, 1020, 1030, 1040, 2010, 2030, 2110, 2330, 3180
- 3 hours from MUSC 3120, 3130
- 2 hours from MUPF 1050, 1060, 1710, 2710, 2030
- 10 hours of applied music lessons in voice, including 2 hours of MUPF 4540
- MUPF 1170 (6 semesters)
- MUED 2510
- Major Ensemble (8 semesters)
- MUTR 2410, 2420, 3210, 3220, 3410, 4500, 4910
- THEA 2110, 2120, 2210, 2220, 3110, 3120
- 6 hours in the following dance technique areas:
  - At least 2 hours from DANC 1120, 2120, 3120 (Tap)
  - At least 2 hours from DANC 1320, 2320, 3320 (Jazz)
  - At least 2 hours from DANC 1420, 2420, 3420 (Ballet)
- DANC 2110
- Majors are encouraged to take DANC 1580 and THEA 3400

**BACHELOR OF ARTS DEGREE:**

**WORSHIP ARTS MAJOR (53 hrs.)**

- MUSC 1010, 1030, 3150, 3160, 3800
- MUED 2470
- MUPF 1050, 1410
- 4 hours of applied music lessons
- 4 hours of music ensembles
- MUBS 2020, 3450
- THEA 2350
- DANC 1580, 1590
- COMM 2140, 2200

- 12 hours from:
  - CMIN 2000, 2270, 3050
  - RLGN/HIST 2060, 3420
  - RLGN 3040

#### MUSICAL THEATRE MAJOR (45 hrs.)

- MUSC 1010, 1020, 1030, 1040
- MUTR 2410, 2420, 3210, 3220
- MUPF 4910
- THEA 2110, 2120, 2210, 3110
- 2 hours of MUPF 1170
- 6 hours of voice study from MUPF 2700 or 4700
- 2 hours of piano study from MUPF 1050, 1060, 1710, 1720, 2030
- 2 hours of ballet study from DANC 1420-3420
- 1 hour of jazz dance study from DANC 1320-3320
- 2 hours of dance study from DANC 2110, 1120-3120

#### MUSIC MAJOR (50 hrs.)

##### Core Courses (35 hrs.):

- MUSC 1010, 1020, 1030, 1040, 2010, 2110, 2330, 3120, 3130, 4900
- MUSC 4950 or 4955
- MUPF 1050, 1060
- 4 hours of applied music lessons
- 8 hours of music ensembles

##### Select one of the following tracks (15 hrs.):

##### ***Performance Track***

- 2 hours from MUED 3330, 3350, 3370
- 4 additional hours of applied music lessons
- 9 hours of approved voice performance or instrumental electives

##### ***Theory and History Track***

- MUSC 2020, 2030, 2040, 3110
- 7 hours of electives from:
  - MUPF 1900-4900
  - MUSC 3030, 3040, 3100, 3650, 4650, 4900
  - MUED 2470
  - Applied music lessons

##### ***Composition Track***

- MUSC 2020, 3040
- 4 hours from MUPF 1900-4900
- 6 hours of electives from:
  - MUSC 2030, 2040, 3030, 3100, 3110, 3650, 4650, 4900
  - MUED 2470
  - Applied music lessons

## MUSIC BUSINESS MAJOR (53 hrs.)

### Core Courses (38 hrs.):

- MUSC 1010, 1020, 1030, 1040, 2210
- MUBS 2010, 2020,
- 4 hours of MUBS 4900
- MUPF 1050, 1060
- 4 hours of applied music lessons
- 4 hours of ensembles
- BSNS 3320, 3330

### Select one of the following tracks (15 hrs.):

#### ***Audio Forensics Track***

- CRIM 2520
- MUBS 3210, 3550, 4850, 4870

#### ***Entrepreneurship Track***

- MUBS, 3100, 3380, 3450, 3470
- 2 hours of MUBS 4800
- 2 hours of MUBS electives
- BSNS 4400

#### ***Record Production Track***

- MUBS 3210, 3220, 3370, 3450, 3470
- 2 hours of MUBS 4800
- 2 hours of MUSC 4950

#### ***Songwriting Track***

- MUBS 2070, 3100, 3450, 3470, 4500
- 6 hours of MUPF 2900 or 4900

*An English Minor or Writing Minor is recommended for students in the Songwriting Track*

## COMPLEMENTARY MUSIC MAJOR (33 hrs.)

- MUSC 1010, 1020, 1030, 1040, 2110, 2330
- MUBS 3470
- MUPF 1050, 1060
- 4 hours of applied music lessons
- 4 hours of music ensembles
- 6 hours of music elective courses

## THEATRE MAJOR (42 hrs.)

### Required Courses (34 hrs.):

- THEA 2110, 2210, 2220, 2410, 3010, 3020, 3400, 3500, 3550, 4800
- 8 hours of THEA 2890

### Elective Courses:

- 8 hours from THEA 2120, 2420, 3110, 3120; MUPF 1070-1390, 2700, 4910; dance technique courses

## DANCE MAJOR (54 hrs.)

### Required Core Courses (18 hrs.):

- DANC 1580, 1590, 3000, 3010
- 3 hours from DANC 1220-4220 (modern technique)
- 3 hours from DANC 1420-4420 (ballet technique)
- 2 hours from DANC 1320-4320 (jazz technique)
- PEHS 1450 or NURS 1210

### Select one the following four tracks (36 hrs.):

#### ***Dance Performance Track***

- 8 hours of DANC 1150
- 2 hours of DANC 1160
- DANC 2110, 2580, 2590, 3050 or 3060, 3530, 3580, 3590, 4500, 4590, 4910
- 3 additional hours from DANC 2220-4220 (modern technique)
- 3 additional hours from DANC 2420-4420 (ballet technique)
- 5 hours of approved related courses from DANC, THEA, MUSC, MUPF, MUED, BSNS, EXSC, SOCI, PSYC

#### ***Dance Business Track***

- 4 hours of DANC 1150
- 4 hours of DANC 1160
- DANC 2110, 2580, 2590, 3530, 3590, 4500, 4800
- ACCT 2010
- BSNS 2710, 2810
- 1 additional hour from DANC 2220-4220 (modern technique)
- 1 additional hour from DANC 2420-4420 (ballet technique)
- 6 additional hours from BSNS or ECON
- 3 hours of approved related courses from DANC, THEA, MUPF, BSNS

#### ***Dance Pedagogy Track***

- 4 hours of DANC 1150
- 4 hours of DANC 1160
- DANC 2580, 2590, 3050, 3055, 3590, 4500, 4590
- 2 hours of DANC 2850
- 1 additional hour from DANC 2220-4220 (modern technique)
- 1 additional hour from DANC 2420-4420 (ballet technique)
- 1 additional hour from DANC 2330, 3320 (jazz technique)
- EDUC 2110
- 7 hours of approved related courses from DANC, BSNS, THEA, EDUC, PSYC

#### ***Dance Science Track***

- 2 hours of DANC 1150
- 1 hour of DANC 1160
- DANC,,, 3060,,, 4060, 4500
- CHEM 1000; MATH 2120; PHYS 2140; PSYC 2000,; SOCI 2010
- 8 hours of approved related courses from BIOL, SOCI, PSYC, EXCS, DANC, PHYS

## COMPLEMENTARY DANCE MAJOR (33 hrs.)

- 4 hours of DANC 1150 (dance repertory)
- 3 hours of DANC 1160
- DANC 1580, 1590,
- DANC 3000 or 3010
- DANC 3050 or 3060
- 2 hours from DANC 1220-4220 (modern technique)
- 2 hours from DANC 1320-4320 (jazz technique)
- 2 hours from DANC 1420-4420 (ballet technique)
- 12 hours of approved related courses from BIOL, DANC, EDUC, THEA, PEHS, CPSC, SOCI, PSYC, MUPF

## MINORS

### MUSIC MINOR (18 hrs.)

- MUSC 1010, 1020, 1030, 1040, 2110
- 4 hours from MUPF 1050, 1060, and/or private piano
- 2 hours of applied study (private and/or class)
- 2 hours of music ensembles

### MUSIC PERFORMANCE MINOR

*Select from one of the following two tracks:*

#### For students whose major is music business (15-16 hrs.):

*Admission by audition on the primary instrument to ensure adequate performance level.*

- 6-8 hours of additional applied study, including a half recital
- MUED 2470
- Additional hours from one of the following sequences:
  - **Singers:** MUED 2510, 2520, 3350; 2 hours from MUPF 1150, 1160, 1170
  - **Pianists:** MUED 3370; MUSC 3380; 3 hours from MUPF 1190, 1210, 1520, 1530
  - **Instrumentalists:** 5 hours from MUPF 1190, 1230, 1250, 1360, 1370, 1380, 1390

#### For students whose major is not in music (18 hrs.):

*Admission by audition on the primary instrument to ensure adequate performance level.*

- MUSC 1010, 1020, 1030, 1040
- MUPF 1050 or 1060 or 2 hours of private piano
- 8 hours of private study in the primary performance area, including a half recital

*MUSC 2110 is recommended.*

### THEATRE MINOR (17 hrs.)

- THEA 2350
- One course from THEA 3010, 3020, 4900
- One course from THEA 3500, 3550
- At least 2 hours from THEA 2890
- Remaining hours from THEA captioned courses

## DANCE MINOR (18 hrs.)

- 1 hour of DANC 1150
- 1 hour of DANC 1160
- DANC 1580, 1590, 3000, 3010, 3510
- 2 hours from DANC 1220-4220 (modern technique)
- 2 hours from DANC 1320-4320 (jazz technique)
- 2 hours from DANC 1420-4420 (ballet technique)

## MUSC Courses

### *Theory of Music (MUSC)*

- 1000 Music Literacy** **2 hrs. (2, 0)**  
Development of basic skills and concepts in reading and writing music notation with emphasis on meter, rhythm, scales, keys, chords, and intervals.
- 1010 Theory I** **3 hrs. (3, 0)**  
Introduction to the study of diatonic harmony and voice-leading and review of fundamental musical concepts. Emphasis on formal analysis of baroque music. **OFFERED:** Sem. I.
- 1020 Theory II** **3 hrs. (3, 0)**  
Continuing study of diatonic harmony and voice-leading with an introduction to chromatic harmony. Emphasis on formal analysis of classical music. **PREREQUISITE:** MUSC 1010. **OFFERED:** Sem. II.
- 1030 Aural Comprehension I** **1 hr. (2, 0)**  
Development of skills in sight-reading and ear-training for diatonic materials of tonal music. Emphasis on melodic, harmonic, and rhythmic dimensions. **COREQUISITE:** MUSC 1010. **OFFERED:** Sem. I.
- 1040 Aural Comprehension II** **1 hr. (2, 0)**  
Continuing development of skills in sight-reading and ear-training for diatonic tonal music with introduction of basic chromatic materials. Emphasis on melodic, harmonic, and rhythmic dimensions with consideration of textural and timbral aspects. **COREQUISITE:** MUSC 1020. **OFFERED:** Sem. II.
- 2010 Theory III** **3 hrs. (3, 0)**  
In-depth study of chromatic harmony and voice-leading. Emphasis on formal analysis of 19th-century music. **PREREQUISITE:** MUSC 1020. **OFFERED:** Sem. I.
- 2020 Theory IV** **3 hrs. (3, 0)**  
Survey of compositional techniques in 20th-century music. Emphasis on learning and applying new analytic strategies developed for contemporary music. **PREREQUISITE:** MUSC 2010. **OFFERED:** Sem. II.
- 2030 Aural Comprehension III** **1 hr. (2, 0)**  
Continued development of ear-training in melodic, rhythmic, and harmonic structures. Emphasis placed on chromatic materials. **COREQUISITE:** MUSC 2010. **OFFERED:** Sem. I.
- 2040 Aural Comprehension IV** **1 hr. (2, 0)**  
Continued development of ear-training in melodic, rhythmic, and harmonic structures. Emphasis placed on 20th-century materials. **COREQUISITE:** MUSC 2020. **OFFERED:** Sem. II.
- 3030 Choral Arranging** **2 hrs. (2, 0)**  
Methods and techniques of arranging and scoring for choral ensembles of various sizes and voicings. Includes use of computer notation software. **PREREQUISITE:** MUSC 1020, 1040. **OFFERED:** Sem. I.
- 3040 Orchestration** **2 hrs. (2, 0)**  
Study of characteristics of orchestral instruments. Introduction to band, symphonic, and jazz scoring. Practical experience in arranging for small combinations and full instrumental groups. Includes use of computer notation software. **PREREQUISITE:** MUSC 1020, 1040. **OFFERED:** Sem. II.

**MUSC (cont.)**

- 3100 Counterpoint** 2 hrs. (2, 0)  
A survey of melodic and voice-leading procedures for music of the late 16th and 18th centuries. Focuses on solving contrapuntal problems and composing pieces in historical styles. **PREREQUISITE:** MUSC 1020, 1040.

*Music History and Literature (MUSC)*

- 2110 Introduction to Music Literature** 2 hrs. (2, 0)  
Introductory study of music literature. Required for music majors; not recommended for students who do not read standard music notation. **OFFERED:** Sem. I.
- 2200 Art as Experience** 3 hrs. (3, 0)  
An interdisciplinary introduction to performing and visual arts through first-hand experiences attending live performances and, when possible, participating in the activity and talking with the artists. Includes study of aesthetics, history, and craft. **OFFERED:** With sufficient demand.
- 2210 Music, the Arts, and Culture** 3 hrs. (3, 0)  
An examination of major works of Western art music that employ elements of art, literature, film, drama, and dance, with emphasis on opera, oratorio, choral symphony, program symphony, ballet, and film music genres. A study of the processes by which selected works were conceived, composed, prepared, performed, received, and understood as expressions of the human experience. Does not count toward music major. **OFFERED:** Sem. I, II.
- 2220 Music in Society** 2 hrs. (2, 0)  
Studies in music to provide basis for understanding and appreciating artistic musical expression. Does not count toward music major. **OFFERED:** Sem. I, II.
- 2330 Introduction to World Music** 3 hrs. (3, 0)  
Provides a framework for experiencing and understanding music from a variety of cultures, Western and non-Western. Focus on belief systems, social organization, cultural contexts, and musical materials for the purpose of identifying similarities and differences between cultures. **OFFERED:** Sem. II.  
**EXPECTATION:** ability to read standard music notation.
- 3110 History of Music: Medieval/Renaissance** 3 hrs. (3, 0)  
General historical survey of music from classical antiquity through the Renaissance. This course applies to the liberal arts writing-intensive requirement. **PREREQUISITE:** MUSC 2110. **OFFERED:** Sem. I.
- 3120 History of Music: Baroque/Classic** 3 hrs. (3, 0)  
General historical survey of music from 1650 to 1800. This course applies to the liberal arts writing-intensive requirement. **PREREQUISITE:** MUSC 2110. **OFFERED:** Sem. II.
- 3130 History of Music: 19th and 20th Centuries** 3 hrs. (3, 0)  
General historical survey of Western Art music from the 19th century to the present. This course applies to the liberal arts writing-intensive requirement. **PREREQUISITE:** MUSC 2110. **OFFERED:** Sem. I.
- 3170 History of Music: Popular Music in the 20th Century** 3 hrs. (3, 0)  
General historical survey of popular music from the late 19th century to the present, with emphasis on Western popular music. This course applies to the liberal arts writing-intensive requirement. **PREREQUISITE:** MUSC 2110. **OFFERED:** Sem. II.
- 3180 History of Music: Musical Theatre** 3 hrs. (3, 0)  
General historical survey of lyric theatre — opera, operetta, revue, musical theatre — from the 17th century to the present. This course applies to the liberal arts writing-intensive requirement. **PREREQUISITE:** MUSC 2110. **OFFERED:** Sem. II.
- 3380 Piano Literature** 2 hrs. (2, 0)  
Introduction to piano literature by historical style periods. **PREREQUISITE:** MUPF 1710, 2710. **OFFERED:** Sem. II.

## MUSC (cont.)

- 3390 Song Literature** **3 hrs. (3, 0)**  
A study of English, Italian, German, French, and American song literature since the late Renaissance. Emphasis on stylistic interpretation and vocal appropriateness. Music is performed by class participants. Recordings are also utilized. **EXPECTATION:** Four semesters of voice study. **OFFERED:** Sem. II, 2022-23.

## *Church Music (MUSC)*

- 3150 Art, Faith, and Culture** **3 hrs. (3, 0)**  
Philosophical, sociological, historical, and theological perspectives on music and worship in the church with emphasis on understanding the role of music in expressions of faith. **OFFERED:** Sem. I, 2022-23.
- 3160 Sacred Music: Past and Current Uses** **3 hrs. (3, 0)**  
Survey of how sacred song has been used and is currently used in worship settings in a variety of times and cultures. Emphasis given to the administration, selection, rehearsal, and use of sacred music in the 21st century church. **OFFERED:** Sem. II, 2022-23.
- 3800 Internship in Church Music** **3 hrs. (arranged)**  
In-depth experience in a local church with experienced minister involved full time in church music. **PREREQUISITE:** MUSC 1010, 1030. **GRADE:** CR/NC. **REPEAT:** May be repeated up to 3 hours. **OFFERED:** Each semester.

## *Additional Music Courses (MUSC)*

- 1650 Independent Study** **1-4 hrs. (arranged)**  
Opportunities for individualized study as agreed upon by student and faculty member. **REPEAT:** May be repeated for credit.
- 2650 Independent Study** **1-4 hrs. (arranged)**  
Opportunities for individualized study as agreed upon by student and faculty member. **REPEAT:** May be repeated for credit.
- 3650 Independent Study** **1-4 hrs. (arranged)**  
Opportunities for individualized study as agreed upon by student and faculty member. **REPEAT:** May be repeated for credit.
- 4650 Independent Study** **1-4 hrs. (arranged)**  
Opportunities for individualized study as agreed upon by student and faculty member. **REPEAT:** May be repeated for credit.
- 4660 International Experience in the Arts** **1-4 hrs. (arranged)**  
This course is designed to give students academic credit for coursework and assignments completed in conjunction with an international experience offered through the Tri-S program. **REPEAT:** May be repeated for credit.
- 4900 Seminar in Selected Topics** **1-4 hrs. (arranged)**  
Special music course offerings as determined by faculty. **REPEAT:** Course may be repeated for credit.
- 4950 Senior Project** **3 hrs. (3, 0)**  
Senior capstone performance or creative project for the Bachelor of Arts in Music. A proposal for the senior project must be submitted for approval. See School of Music, Theatre, and Dance Handbook for guidelines and deadlines. **CONSENT:** Department. **OFFERED:** Each semester.
- 4955 Senior Presentation** **3 hrs. (3, 0)**  
Senior capstone presentation for the Bachelor of Arts in Music. A proposal for the senior presentation must be submitted for approval. See School of Music, Theatre, and Dance Handbook for guidelines and deadlines. This course applies to the liberal arts speaking-intensive requirement. **CONSENT:** Department. **OFFERED:** Each semester.

## MUBS Courses

### *Music Business*

- 2010 Introduction to the Music Business** 3 hrs. (3, 0)  
Overview of major players in the recording industry: record labels, Billboard charts, music distribution, and professional trade organizations. Also explores types of producers, artist management, booking, and concert promotion. **OFFERED:** Sem. I.
- 2020 Introduction to Music Publishing** 3 hrs. (3, 0)  
Overview of major players in the publishing industry. Copyright basics and revenue streams, including licensing music for recordings, performances, ringtones, television, film, video games, etc. **OFFERED:** Sem. II.
- 2050 Jazz and Commercial Arranging** 2 hrs. (2, 0)  
Techniques of arranging for large and small studio/jazz ensembles. **PREREQUISITE:** MUSC 1020, 1040. **OFFERED:** With sufficient demand.
- 2070 Songwriting** 2 hrs. (2, 0)  
Techniques, philosophy, and principles of composing songs for various markets with emphasis on communication through effective lyrics. Related aspects of publishing, marketing, promotion, copyright law will also be discussed. **PREREQUISITE:** MUSC 1010, 1030. **OFFERED:** Sem. I.
- 3100 Artist Development** 2 hrs. (2, 0)  
Explores the development of the musical artist within the context of the music industry. The many forces of the music business that influence and shape the artist and the artistic product are investigated. **PREREQUISITE:** MUBS 2010, 2020. **OFFERED:** Sem. II.
- 3210 Recording Techniques** 3 hrs. (3, 1)  
Introduction to audio technology, studio recording equipment, signal flow, studio session procedures, and recording production. **OFFERED:** Sem. I.
- 3220 Mixing and Mastering** 2 hrs. (2, 1)  
Guided experiences in audio recording techniques. Emphasis on recording projects using digital multi-track recording; MIDI sequencing; digital signal processing; and computer-based editing, mixing, and mastering. **OFFERED:** Sem. II.
- 3370 Record Production** 2 hrs. (2, 0)  
Examines the role of the producer and music production techniques required to create a successful recording. **PREREQUISITE or COREQUISITE:** MUBS 3220, may register concurrently with MUBS 3220. **OFFERED:** Sem. II.
- 3380 Concert Booking and Promotion** 2 hrs. (2, 0)  
Examines the role of the concert promoter, booking agents, and support organizations. **PREREQUISITE:** MUBS 2010, 2020. **OFFERED:** Sem. II.
- 3450 Live Sound Production** 2 hrs. (2, 0)  
Students explore the acoustical, musical, and technical aspects of live performance to learn how to present the best possible sound to an audience. The course emphasizes instrumental and vocal sound production, microphones, equalization, and dynamics processing, enabling students to build their own mixes that conform to a high standard for sonic quality, blend, and authenticity. **OFFERED:** With sufficient demand.
- 3470 DIY for Musicians** 2 hrs. (2, 0)  
Practical application of skills necessary for a successful career as a musician, songwriter, or producer. Explores developing a career plan, finding employment opportunities, networking, and the creation of professional quality promotional materials. **PREREQUISITE:** Music majors and minors, junior standing. **OFFERED:** Every year.
- 3500 Current Topics in Music Business** 1 hr. (1, 0)  
Guided writing assignments and class presentations focusing on current topics of interest to students of the music business. The writing process will involve developing a topic proposal, an abstract, an annotated list of sources, and a project outline, as well as composing a moderate-length term paper to be presented to the class. This course applies to the liberal arts writing-intensive requirement. **PREREQUISITE:** MUBS 2010, 2020. **OFFERED:** With sufficient demand.

## MUBS (cont.)

- 3550 Audio Enhancement and Authentication** **3 hrs. (3, 0)**  
Students explore digital evidence tools, including Electric Frequency Analysis (ENF) for validating audio recordings, adaptive filters for noise reduction, and discrete Fourier transforms to aid in the recovery of digital audio. Course emphasizes authenticity of audio evidence and enhancement to improve speech intelligibility, audibility of low-level sounds, and identification of sonic evidence. **OFFERED:** With sufficient demand.
- 4500 Songwriter Showcase** **1 hr. (arranged)**  
Senior songwriters present a showcase of original works. Intended for songwriting majors only.
- 4800 Internship in Music Business** **1-3 hrs. (arranged)**  
In-depth experience in selected music industry tailored to ability and needs of individual students. **PREREQUISITE:** MUBS 2010, 2020. **REPEAT:** May be repeated. **GRADE:** CR/NC. **OFFERED:** Sem. I, II; Summer.
- 4850 Practicum in Audio Forensics** **3 hrs. (3, 0)**  
Capstone audio forensics project for Music Business majors in the Audio Forensics track. A proposal for the project must be submitted to the department for approval and should include the collection, interpretation, and presentation of audio evidence from a sound recording. **OFFERED:** Sem. I, II; Summer.
- 4870 Practicum in Record Production** **3 hrs. (3, 0)**  
Capstone recording project for Music Business majors in the Record Production track. A proposal for the project must be submitted to the department for approval and should include tracking, editing, mixing, and mastering of a recording to be commercially released. **OFFERED:** Sem. I, II; Summer.
- 4900 Recording Label Seminar** **1-2 hrs. (1-2, 0)**  
Senior capstone course for music business majors. Focuses on selection, recording, management, and promotion of record label artists and projects. **EXPECTATION:** Typically taken for two semesters in senior year. **REPEAT:** May be repeated. Maximum of 4 hours of credit toward music business major. **PREREQUISITE:** MUBS 2010, 2020. **OFFERED:** Sem. I, II.

## *Additional Music Business Courses (MUBS)*

- 1650 Independent Study** **1-4 hrs. (arranged)**  
Opportunities for individualized study as agreed upon by student and faculty member. **REPEAT:** May be repeated up to 4 hours.
- 2650 Independent Study** **1-4 hrs. (arranged)**  
Opportunities for individualized study as agreed upon by student and faculty member. **REPEAT:** May be repeated up to 4 hours.
- 3650 Independent Study** **1-4 hrs. (arranged)**  
Opportunities for individualized study as agreed upon by student and faculty member. **REPEAT:** May be repeated up to 4 hours.
- 4650 Independent Study** **1-4 hrs. (arranged)**  
Opportunities for individualized study as agreed upon by student and faculty member. **REPEAT:** May be repeated up to 4 hours.
- 4660 International Experience in the Arts** **1-4 hrs. (arranged)**  
This course is designed to give students academic credit for coursework and assignments completed in conjunction with an international experience offered through the Tri-S program. **REPEAT:** May be repeated up to 4 hours.

## MUED Courses

### *Music Education*

- 1000 Introduction to Music Education** 2 hrs. (2, 0)  
Overview of the professional opportunities and challenges of teaching music in public and private schools. Includes field experiences. Grade of C or better required. **OFFERED:** Sem. II.
- 1100 String Techniques** 1 hr. (2, 0)  
**OFFERED:** Sem. I.
- 1200 Woodwind Techniques** 1 hr. (2, 0)  
**OFFERED:** Sem. I.
- 1300 Brass Techniques** 1 hr. (2, 0)  
**OFFERED:** Sem. II.
- 1400 Percussion Techniques** 1 hr. (2, 0)  
**OFFERED:** Sem. II.
- 2110 Music for the Elementary Classroom** 2 hrs. (2, 0)  
Basic skills, materials, and methods for using music to aid child development, enhance learning, and encourage creativity in the elementary classroom. **EXPECTATION:** Elementary education major.  
**OFFERED:** Each semester.
- 2470 Introduction to Conducting** 2 hrs. (3, 0)  
Fundamentals of conducting, including beat patterns and styles, baton technique, starts, stops, cues, symmetric and asymmetric meters, dynamic shaping, use of left hand, and score reading.  
**PREREQUISITE:** MUSC 1020. **OFFERED:** Sem. I.
- 2510 Singer's Diction I** 2 hrs. (2, 0)  
Fundamentals and usage of the International Phonetic Alphabet as applied to Italian and German.  
**OFFERED:** Sem. II.
- 2520 Singer's Diction II** 2 hrs. (2, 0)  
Fundamentals and usage of the International Phonetic Alphabet as applied to French and English.  
**OFFERED:** Sem. I.
- 3100 Music in the Middle School** 3 hrs. (3, 0)  
Materials and methods used for middle school general music and beginning choral and instrumental instruction. Includes study of early adolescent student development as it relates to music. Grade of C or better required. **EXPECTATION:** Successful completion of UDPE. **OFFERED:** Sem. I.
- 3110 Music in the Elementary School** 3 hrs. (3, 0)  
Materials and methods of teaching music in the elementary school. Observation opportunities for music majors. This course applies to the liberal arts speaking-intensive requirement. **EXPECTATION:** Successful completion of UDPE. **OFFERED:** Sem. I.
- 3120 Vocal Music in the Secondary School** 3 hrs. (3, 0)  
Materials and methods of teaching choral music in the secondary school. Observation opportunities for music majors. **EXPECTATION:** Successful completion of UDPE. **OFFERED:** Sem. II.
- 3130 Instrumental Music Education** 3 hrs. (3, 0)  
Materials and methods available for instrumental groups at elementary and secondary levels. Observation opportunities for music majors. **EXPECTATION:** Successful completion of UDPE. **OFFERED:** Sem. I.
- 3330 Instrumental Pedagogy** 2 hrs. (2, 0)  
Basic principles of instrumental playing, materials, and methods for teaching various instruments from elementary to advanced students. **EXPECTATION:** Successful completion of UDPE. **PREREQUISITE:** MUED 1100, 1200, 1300. **OFFERED:** Sem. II.
- 3350 Voice Pedagogy** 2 hrs. (2, 0)  
Preparation in methods used in the art of singing through the organization of vocal terminology and techniques. Includes teaching experience. This course applies to the liberal arts speaking-intensive requirement. **EXPECTATION:** Successful completion of UDPE. **OFFERED:** Sem. I.

## MUED (cont.)

- 3360 Issues in Voice Pedagogy** **1 hr. (1, 0)**  
Seminar focuses on special problems and topics in voice pedagogy from MUED 3350. Areas covered include class voice instruction, mentored voice teaching experiences, master-class techniques, and studio management. **COREQUISITE:** MUED 3350. **OFFERED:** Sem. I.
- 3370 Piano Pedagogy** **2 hrs. (2, 0)**  
Representative methods and materials for early years of keyboard study. Includes teaching experience. **EXPECTATION:** Successful completion of UDPE. **OFFERED:** Sem. I.
- 3460 Advanced Instrumental Techniques** **2 hrs. (2, 0)**  
Focus on performance techniques and pedagogy related to technically demanding instruments. Designed to give students an in-depth understanding of highly specialized instruments. **EXPECTATION:** Successful completion of UDPE. **PREREQUISITE:** MUED 1200, 1300. **OFFERED:** Sem. I.
- 3470 Advanced Choral Conducting** **2 hrs. (3, 0)**  
Advanced conducting technique, choral diction, choral tone, body alignment, breathing technique, interpretation, rehearsal technique, and stylistic elements. **PREREQUISITE:** MUSC 2020, MUED 2470. **OFFERED:** Sem. II.
- 3480 Advanced Instrumental Conducting** **2 hrs. (3, 0)**  
Baton technique, score reading, performance, rehearsal techniques, psychology of conducting. **EXPECTATION:** The ability to play an orchestral instrument. **PREREQUISITE:** MUED 2470. **OFFERED:** Sem. I.
- 3930 Seminar in German Diction** **1 hr. (1, 0)**  
Seminar focuses on special problems and topics in German lyric diction. Conducted in a master-class format, the seminar includes both oral and written participation. **PREREQUISITE:** MUED 2510, 2520. **OFFERED:** With sufficient demand.
- 3940 Seminar in French Diction** **1 hr. (1, 0)**  
Seminar focuses on special problems and topics in French lyric diction. Conducted in a master-class format, the seminar includes both oral and written participation. **PREREQUISITE:** MUED 2510, 2520. **OFFERED:** With sufficient demand.
- 4700 Methods of Teaching Music in the Public Schools** **2 hrs. (2, 0)**  
Taught in conjunction with the professional semester. Materials and methods adapted to the specific areas and levels in which students are involved in student teaching. **PREREQUISITE:** MUED 3110, 3120, 3130. **OFFERED:** Each semester.

## *Additional Music Education Courses (MUED)*

- 1650 Independent Study** **1-4 hrs. (arranged)**  
Opportunities for individualized study as agreed upon by student and faculty member. **REPEAT:** May be repeated up to 4 hours.
- 2650 Independent Study** **1-4 hrs. (arranged)**  
Opportunities for individualized study as agreed upon by student and faculty member. **REPEAT:** May be repeated up to 4 hours.
- 3650 Independent Study** **1-4 hrs. (arranged)**  
Opportunities for individualized study as agreed upon by student and faculty member. **REPEAT:** May be repeated up to 4 hours.
- 4650 Independent Study** **1-4 hrs. (arranged)**  
Opportunities for individualized study as agreed upon by student and faculty member. **REPEAT:** May be repeated up to 4 hours.
- 4660 International Experience in the Arts** **1-4 hrs. (arranged)**  
This course is designed to give students academic credit for coursework and assignments completed in conjunction with an international experience offered through the Tri-S program. **REPEAT:** May be repeated up to 4 hours.

## MUPF Courses

### *Music Performance*

#### *Private Study — Half Recitals (25-30 minutes)*

**REPEAT:** May be repeated.

3540	Voice Recital	1 hr. (1, 1)
3550	Keyboard Recital	1 hr. (1, 1)
3560	String/Guitar/Harp Recital	1 hr. (1, 1)
3570	Woodwind Recital	1 hr. (1, 1)
3580	Brass Recital	1 hr. (1, 1)
3590	Percussion Recital	1 hr. (1, 1)

#### *Private Study — Full Recitals (50-60 minutes)*

**REPEAT:** May be repeated.

4540	Voice Recital	2 hrs. (2, 1)
4550	Keyboard Recital	2 hrs. (2, 1)
4560	String/Guitar/Harp Recital	2 hrs. (2, 1)
4570	Woodwind Recital	2 hrs. (2, 1)
4580	Brass Recital	2 hrs. (2, 1)
4590	Percussion Recital	2 hrs. (2, 1)

#### *Applied Lessons — Half-Hour, Lower-Division Study*

**REPEAT:** May be repeated.

1700	Voice	1 hr. (1, 1)
1710	Piano	1 hr. (1, 1)
1720	Harpsichord	1 hr. (1, 1)
1730	Organ	1 hr. (1, 1)
1740	Violin	1 hr. (1, 1)
1750	Viola	1 hr. (1, 1)
1760	Cello	1 hr. (1, 1)
1770	Bass	1 hr. (1, 1)
1780	Flute/Piccolo	1 hr. (1, 1)
1790	Clarinet	1 hr. (1, 1)
1800	Oboe/English Horn	1 hr. (1, 1)
1810	Bassoon	1 hr. (1, 1)
1820	Saxophone	1 hr. (1, 1)
1830	Trumpet/Cornet	1 hr. (1, 1)
1840	French Horn	1 hr. (1, 1)
1850	Trombone	1 hr. (1, 1)
1860	Baritone/Euphonium	1 hr. (1, 1)
1870	Tuba	1 hr. (1, 1)
1880	Percussion	1 hr. (1, 1)
1885	Harp	1 hr. (1, 1)
1890	Guitar	1 hr. (1, 1)
1900	Composition	1 hr. (1, 1)
1905	Songwriting	1 hr. (1,1)

**MUPF (cont.)**

*Applied Lessons — Half-Hour, Upper-Division Study*

**REPEAT:** May be repeated.

3700	Voice	1 hr. (1, 1)
3710	Piano	1 hr. (1, 1)
3720	Harpsichord	1 hr. (1, 1)
3730	Organ	1 hr. (1, 1)
3740	Violin	1 hr. (1, 1)
3750	Viola	1 hr. (1, 1)
3760	Cello	1 hr. (1, 1)
3770	Bass	1 hr. (1, 1)
3780	Flute/Piccolo	1 hr. (1, 1)
3790	Clarinet	1 hr. (1, 1)
3800	Oboe/English Horn	1 hr. (1, 1)
3810	Bassoon	1 hr. (1, 1)
3820	Saxophone	1 hr. (1, 1)
3830	Trumpet/Cornet	1 hr. (1, 1)
3840	French Horn	1 hr. (1, 1)
3850	Trombone	1 hr. (1, 1)
3860	Baritone/Euphonium	1 hr. (1, 1)
3870	Tuba	1 hr. (1, 1)
3880	Percussion	1 hr. (1, 1)
3885	Harp	1 hr. (1, 1)
3890	Guitar	1 hr. (1, 1)
3900	Composition	1 hr. (1, 1)
3905	Songwriting	1 hr. (1,1)

*Applied Lessons — One Hour, Lower-Division Study*

**REPEAT:** May be repeated.

2700	Voice	1-3 hrs. (1-3, 0)
2710	Piano	1-3 hrs. (1-3, 0)
2720	Harpsichord	1-3 hrs. (1-3, 0)
2730	Organ	1-3 hrs. (1-3, 0)
2740	Violin	1-3 hrs. (1-3, 0)
2750	Viola	1-3 hrs. (1-3, 0)
2760	Cello	1-3 hrs. (1-3, 0)
2770	Bass	1-3 hrs. (1-3, 0)
2780	Flute/Piccolo	1-3 hrs. (1-3, 0)
2790	Clarinet	1-3 hrs. (1-3, 0)
2800	Oboe/English Horn	1-3 hrs. (1-3, 0)
2810	Bassoon	1-3 hrs. (1-3, 0)
2820	Saxophone	1-3 hrs. (1-3, 0)
2830	Trumpet/Cornet	1-3 hrs. (1-3, 0)
2840	French Horn	1-3 hrs. (1-3, 0)
2850	Trombone	1-3 hrs. (1-3, 0)
2860	Baritone/Euphonium	1-3 hrs. (1-3, 0)
2870	Tuba	1-3 hrs. (1-3, 0)
2880	Percussion	1-3 hrs. (1-3, 0)
2885	Harp	1-3 hrs. (1-3, 0)
2890	Guitar	1-3 hrs. (1-3, 0)
2900	Composition	1-3 hrs. (1-3, 0)
2905	Songwriting	1-3 hrs. (1-3, 0)

**MUPF (cont.)***Applied Lessons — One Hour, Upper-Division Study***REPEAT:** May be repeated.

<b>4700</b>	<b>Voice</b>	<b>1-3 hrs. (1-3, 0)</b>
<b>4710</b>	<b>Piano</b>	<b>1-3 hrs. (1-3, 0)</b>
<b>4720</b>	<b>Harpsichord</b>	<b>1-3 hrs. (1-3, 0)</b>
<b>4730</b>	<b>Organ</b>	<b>1-3 hrs. (1-3, 0)</b>
<b>4740</b>	<b>Violin</b>	<b>1-3 hrs. (1-3, 0)</b>
<b>4750</b>	<b>Viola</b>	<b>1-3 hrs. (1-3, 0)</b>
<b>4760</b>	<b>Cello</b>	<b>1-3 hrs. (1-3, 0)</b>
<b>4770</b>	<b>Bass</b>	<b>1-3 hrs. (1-3, 0)</b>
<b>4780</b>	<b>Flute/Piccolo</b>	<b>1-3 hrs. (1-3, 0)</b>
<b>4790</b>	<b>Clarinet</b>	<b>1-3 hrs. (1-3, 0)</b>
<b>4800</b>	<b>Oboe/English Horn</b>	<b>1-3 hrs. (1-3, 0)</b>
<b>4810</b>	<b>Bassoon</b>	<b>1-3 hrs. (1-3, 0)</b>
<b>4820</b>	<b>Saxophone</b>	<b>1-3 hrs. (1-3, 0)</b>
<b>4830</b>	<b>Trumpet/Cornet</b>	<b>1-3 hrs. (1-3, 0)</b>
<b>4840</b>	<b>French Horn</b>	<b>1-3 hrs. (1-3, 0)</b>
<b>4850</b>	<b>Trombone</b>	<b>1-3 hrs. (1-3, 0)</b>
<b>4860</b>	<b>Baritone/Euphonium</b>	<b>1-3 hrs. (1-3, 0)</b>
<b>4870</b>	<b>Tuba</b>	<b>1-3 hrs. (1-3, 0)</b>
<b>4880</b>	<b>Percussion</b>	<b>1-3 hrs. (1-3, 0)</b>
<b>4885</b>	<b>Harp</b>	<b>1-3 hrs. (1-3, 0)</b>
<b>4890</b>	<b>Guitar</b>	<b>1-3 hrs. (1-3, 0)</b>
<b>4900</b>	<b>Composition</b>	<b>1-3 hrs. (1-3, 0)</b>
<b>4905</b>	<b>Songwriting</b>	<b>1-3 hrs. (1-3, 0)</b>

*Class Study (MUPF)*

<b>1010</b>	<b>Class Lessons in Voice I</b>	<b>1 hr. (1, 0)</b>
	<b>OFFERED:</b> Sem. I.	
<b>1020</b>	<b>Class Lessons in Voice II</b>	<b>1 hr. (1, 0)</b>
	<b>OFFERED:</b> Sem. II.	
<b>1030</b>	<b>Class Lessons in Piano I</b>	<b>1 hr. (1, 0)</b>
	Beginning piano for students not majoring or minoring in music. Enrollment limited to the number of available keyboards. <b>OFFERED:</b> Sem. I, II.	
<b>1040</b>	<b>Class Lessons in Piano II</b>	<b>1 hr. (1, 0)</b>
	Beginning piano for students not majoring or minoring in music. Enrollment limited to the number of available keyboards. <b>OFFERED:</b> With sufficient demand.	
<b>1050</b>	<b>Keyboard Class I</b>	<b>2 hrs. (2, 0)</b>
	For majors and minors with limited piano background. <b>OFFERED:</b> Sem. I, II.	
<b>1060</b>	<b>Keyboard Class II</b>	<b>2 hrs. (2, 0)</b>
	For majors and minors who have completed MUPF 1050 with a grade of C- or better, are enrolled in private piano, or have exempted MUPF 1050 by examination. <b>EXPECTATION:</b> Grade of C- or better in MUPF 1050 or exempted by examination. <b>OFFERED:</b> Each semester.	
<b>1410</b>	<b>Class Lessons in Guitar I</b>	<b>1 hr. (1, 0)</b>
	<b>REPEAT:</b> May be repeated. <b>OFFERED:</b> Each semester.	
<b>1420</b>	<b>Class Lessons in Guitar II</b>	<b>1 hr. (1, 0)</b>
	<b>REPEAT:</b> May be repeated. <b>OFFERED:</b> Each semester.	
<b>1500</b>	<b>World Drumming</b>	<b>1 hr. (1, 0)</b>
	Experiences in learning history and performance techniques of world percussion. Areas of study will include Latin-American, Afro-Cuban, African, and Brazilian drumming, along with cultural and folkloric history. No previous percussion experience or instrument required.	

## MUPF (cont.)

- 1520 Accompanying I** **0-1 hrs. (1, 0)**  
Study in the art of keyboard accompaniment for voice or instrumental solos and small ensembles.  
**REPEAT:** May be repeated. **OFFERED:** Sem. I.
- 1530 Accompanying II** **0-1 hrs. (1, 0)**  
Study in art of keyboard accompaniment for voice or instrumental solos and small ensembles. **REPEAT:** May be repeated. **OFFERED:** Sem. II.
- 2030 Advanced Small-Group Piano I** **1 hr. (1, 0)**  
**OFFERED:** With sufficient demand.
- 2040 Advanced Small-Group Piano II** **1 hr. (1, 0)**  
**OFFERED:** With sufficient demand.
- 2060 Improvisation** **2 hrs. (2, 0)**  
Study of techniques and materials for improvisation through performance. **OFFERED:** With sufficient demand.
- 2140 Embodied Performing: Introduction to the Alexander Technique** **2 hrs. (2, 0)**  
This course covers the principles, history, practical and performance-related application of the Alexander Technique. Body mapping, performance practice, and self-care will be explored through the lens of the Alexander Technique. **SAME AS:** MUTR 2140, THEA 2140, DANC 2140. **OFFERED:** Sem. I.
- 4910 Seminar in Audition Techniques** **2 hrs. (2, 0)**  
Seminar on the techniques of the audition process. Auditions covered include graduate school, opera, concert/oratorio, and musical theatre. Conducted in a master-class format, the seminar includes both oral and written participation. **SAME AS:** MUTR 4910. **OFFERED:** Sem. I.

## Ensembles (MUPF)

By audition. **REPEAT:** May be repeated.

<b>1070 Women's Chorus</b>	<b>0-1 hrs. (arranged)</b>
<b>1080 Chorale</b>	<b>0-1 hrs. (arranged)</b>
<b>1090 University Choir</b>	<b>0-1 hrs. (arranged)</b>
<b>1150 Opera Production</b>	<b>0-1 hrs. (arranged)</b>
<b>1160 Music Theatre Production</b>	<b>0-1 hrs. (arranged)</b>
<b>1170 Lyric Theatre Workshop</b> SAME AS: THEA 1170.	<b>0-1 hrs. (arranged)</b>
<b>1180 Valley Voices</b>	<b>0-1 hrs. (arranged)</b>
<b>1190 Instrumental Ensemble</b>	<b>0-1 hrs. (arranged)</b>
<b>1210 Duo Piano</b>	<b>0-1 hrs. (arranged)</b>
<b>1230 Jazz Combo</b>	<b>0-1 hrs. (arranged)</b>
<b>1250 Chamber Winds</b>	<b>0-1 hrs. (arranged)</b>
<b>1260 Concert Band</b>	<b>0-1 hrs. (arranged)</b>
<b>1270 Symphonic Wind Ensemble</b>	<b>0-1 hrs. (arranged)</b>
<b>1280 Jazz Ensemble</b>	<b>0-1 hrs. (arranged)</b>
<b>1290 Anderson Symphony Orchestra</b>	<b>0-1 hrs. (arranged)</b>
<b>1310 Anderson Symphonic Choir</b>	<b>0-1 hrs. (arranged)</b>
<b>1330 Symphony Orchestra</b>	<b>0-1 hrs. (arranged)</b>
<b>1350 Guitar Ensemble</b>	<b>0-1 hrs. (arranged)</b>
<b>1360 Brass Ensemble</b>	<b>0-1 hrs. (arranged)</b>
<b>1370 Woodwind Ensemble</b>	<b>0-1 hrs. (arranged)</b>
<b>1380 String Ensemble</b>	<b>0-1 hrs. (arranged)</b>
<b>1390 Percussion Ensemble</b>	<b>0-1 hrs. (arranged)</b>
<b>1430 Handbell Ensemble</b>	<b>0-1 hrs. (arranged)</b>

## MUPF (cont.)

### *Additional Music Performance Courses (MUPF)*

- 1650 Independent Study** **1-4 hrs. (arranged)**  
Opportunities for individualized study as agreed upon by student and faculty member. **REPEAT:** May be repeated up to 4 hours.
- 2650 Independent Study** **1-4 hrs. (arranged)**  
Opportunities for individualized study as agreed upon by student and faculty member. **REPEAT:** May be repeated up to 4 hours.
- 3650 Independent Study** **1-4 hrs. (arranged)**  
Opportunities for individualized study as agreed upon by student and faculty member. **REPEAT:** May be repeated up to 4 hours.
- 4650 Independent Study** **1-4 hrs. (arranged)**  
Opportunities for individualized study as agreed upon by student and faculty member. **REPEAT:** May be repeated up to 4 hours.
- 4660 International Experience in the Arts** **1-4 hrs. (arranged)**  
This course is designed to give students academic credit for coursework and assignments completed in conjunction with an international experience offered through the Tri-S program. **REPEAT:** May be repeated for credit.

### *MUTR Courses - Musical Theatre*

- 1650 Independent Study** **1-4 hrs. (arranged)**  
Opportunities for individualized study as agreed upon by student and faculty member. **REPEAT:** May be repeated up to 4 hours.
- 2140 Embodied Performing: Introduction to the Alexander Technique** **2 hrs. (2, 0)**  
This course covers the principles, history, practical and performance-related application of the Alexander Technique. Body mapping, performance practice, and self-care will be explored through the lens of the Alexander Technique. **SAME AS:** MUPF 2140, THEA 2140, DANC 2140. **OFFERED:** Sem. I.
- 2250 Stage Diction I — Fundamentals** **2 hrs. (2, 0)**  
Introduces and develops speech techniques for the actor, specifically in the areas of relaxation, posture and alignment, respiration, phonation, registration, resonance, and articulation. **SAME AS:** THEA 2250. **OFFERED:** Sem. II.
- 2410 Voice and Movement for the Actor I** **2 hrs. (2, 0)**  
Introduction to voice and movement techniques for the actor. Areas of focus include freeing the voice, developing connection to breath, kinesthetic awareness, relaxation, alignment, resonance and articulation.. **SAME AS:** THEA 2410. **OFFERED:** Sem. II.
- 2420 Voice and Movement for the Actor II** **2 hrs. (2, 0)**  
Further studies in voice and movement techniques for the actor. Areas of focus include Laban effort actions and archetypes.. **SAME AS:** THEA 2420. **OFFERED:** Sem. II.
- 2650 Independent Study** **1-4 hrs. (arranged)**  
Opportunities for individualized study as agreed upon by student and faculty member. **REPEAT:** May be repeated up to 4 hours.
- 3210 Musical Theatre Styles I** **2 hrs. (2, 0)**  
A practical application course which focuses on learning the ways in which musical and textual understanding informed the interpretation and performance of acting through song from the 1920s to the early 1960s. This course applies to the liberal arts speaking-intensive requirement. **SAME AS:** THEA 3210. **OFFERED:** Sem. I.
- 3220 Musical Theatre Styles II** **2 hrs. (2, 0)**  
A practical application course which focuses on learning the ways in which musical and textual understanding informed the interpretation and performance of acting through song from the mid-1960s to the present. **SAME AS:** THEA 3220. **OFFERED:** Sem. II.

## MUTR (cont.)

- 3410 Voice and Movement for the Actor III** 2 hrs. (2, 0)  
Advanced speech techniques for the actor. Continued exploration of connecting text to breath in context with awareness of the whole body. Areas of focus include The Alexander Technique, International Phonetic Alphabet (IPA), and beginning dialects.. **SAME AS:** THEA 3410. **OFFERED:** Sem. II.
- 3650 Independent Study** 1-4 hrs. (arranged)  
Opportunities for individualized study as agreed upon by student and faculty member. **REPEAT:** May be repeated up to 4 hours.
- 4500 Musical Theatre Showcase** 2 hrs. (2, 0)  
Overview studio course for graduating musical theatre majors. Coursework involves repertoire from genres of musical theatre appropriate for each individual. Course will culminate in a showcase performance presented at the end of the semester. **SAME AS:** THEA 4500. **OFFERED:** Sem. II.
- 4650 Independent Study** 1-4 hrs. (arranged)  
Opportunities for individualized study as agreed upon by student and faculty member. **REPEAT:** May be repeated up to 4 hours.
- 4660 International Experience in the Arts** 1-4 hrs. (arranged)  
This course is designed to give students academic credit for coursework and assignments completed in conjunction with an international experience offered through the Tri-S program. **REPEAT:** May be repeated for credit.
- 4910 Seminar in Audition Techniques** 2 hrs. (2, 0)  
Seminar on the techniques of the audition process. Auditions covered include graduate school, theatre/musical theatre summer stock, Shakespeare, television, and film. Conducted in a master-class format, requiring both oral and written participation. **SAME AS:** MUPF 4910. **OFFERED:** Sem. I.

## THEA Courses

- 1170 Lyric Theatre Workshop** 0-1 hrs. (arranged)  
Admission by audition. **REPEAT:** May be repeated. **SAME AS:** MUPF 1170.
- 1650 Independent Study** 1-4 hrs. (arranged)  
Opportunities for individualized study as agreed upon by student and faculty member. **REPEAT:** May be repeated up to 4 hours.
- 2110 Acting I** 3 hrs. (3, 0)  
Introduction to the fundamentals of the acting process through exercises and scene study. **OFFERED:** Sem. I.
- 2120 Acting II** 3 hrs. (3, 0)  
Study of acting in theatrical realism. Stanislavski and Meisner based training. **OFFERED:** Sem. II.
- 2140 Embodied Performing: Introduction to the Alexander Technique** 2 hrs. (2, 0)  
This course covers the principles, history, practical and performance-related application of the Alexander Technique. Body mapping, performance practice, and self-care will be explored through the lens of the Alexander Technique. **SAME AS:** MUPF 2140, MUTR 2140, DANC 2140. **OFFERED:** Sem. I.
- 2210 Stagecraft** 3 hrs. (3, 0)  
An introduction to basic stagecraft practices through lectures, labs, and practical experience, including safe and proper use of power and hand tools, scenery building, scene painting, theatrical lighting, basic stage management, properties, and sound. **OFFERED:** Sem. I.
- 2220 Theatre Genres and Analysis** 2 hrs. (2, 0)  
Introduction to the concepts and techniques of script analysis through the study of the historical genres of theatre. **OFFERED:** Sem. I.
- 2250 Stage Diction I — Fundamentals** 2 hrs. (2, 0)  
Introduces and develops speech techniques for the actor, especially in the areas of relaxation, posture and alignment, respiration, phonation, registration, resonance, and articulation. **SAME AS:** MUTR 2250. **OFFERED:** Sem. II.

**THEA (cont.)**

- 2350 Introduction to Acting** **2 hrs. (2, 0)**  
Designed to introduce students to the fundamental principles of performance. Emphasis will be placed on Spolin-styled theatre games and developing competent improvisational skills. Open to all students. **OFFERED:** Sem. I, II.
- 2410 Voice and Movement for the Actor I** **2 hrs. (2, 0)**  
Introduction to voice and movement techniques for the actor. Areas of focus include freeing the voice, developing connection to breath, kinesthetic awareness, relaxation, alignment, resonance and articulation. **SAME AS:** MUTR 2410. **OFFERED:** Sem. II.
- 2420 Voice and Movement for the Actor II** **2 hrs. (2, 0)**  
Further studies in voice and movement techniques for the actor. Areas of focus include Laban effort actions and archetypes. **SAME AS:** MUTR 2420. **OFFERED:** Sem. II.
- 2500 Appreciation of Theatre** **2 hrs. (2, 0)**  
Development of dramatic literacy through examination of a wide variety of dramatic themes and forms. Study and participation in dramatic criticism and theory. **OFFERED:** With sufficient demand.
- 2650 Independent Study** **1-4 hrs. (arranged)**  
Opportunities for individualized study as agreed upon by student and faculty member. **REPEAT:** May be repeated up to 4 hours.
- 2890 Acting/Production Practicum** **1 hr. (arranged)**  
Practical experience in theatre, particularly related to productions in the university's theatrical season. Open to all students. **REPEAT:** May be repeated. Total credit not to exceed 8 hours. **OFFERED:** Sem. I, II.
- 3010 History of Theatre I: Beginnings to Romantics** **3 hrs. (3, 0)**  
A chronological survey of the various arts, crafts, theory/criticism, and literature of Western theatre from its earliest origins to the mid-1500s. Open to all students. **OFFERED:** 2022-23.
- 3020 History of Theatre II: Romantics to Present** **3 hrs. (3, 0)**  
A chronological survey of the various arts, crafts, theory/criticism, and literature of Western theatre from the mid-1500s to the present. Attention will also be given to film and performance art. Open to all students. **OFFERED:** 2022-23.
- 3110 Acting III** **3 hrs. (3, 0)**  
Advanced studies in acting focusing on modern texts by contemporary playwrights.. **OFFERED:** Sem. I.
- 3120 Acting IV** **3 hrs. (3, 0)**  
Advanced studies in acting focusing on classical texts and heightened language, including Shakespeare, Restoration, Shaw, Ibsen, and Chekhov. **OFFERED:** Sem. II.
- 3210 Musical Theatre Styles I** **2 hrs. (2, 0)**  
A practical application course which focuses on learning the ways in which musical and textual understanding inform the interpretation and performance of acting through song, from the 1920s to the early 1960s. This course applies to the liberal arts speaking-intensive requirement.. **SAME AS:** MUTR 3210. **OFFERED:** Sem. II.
- 3220 Musical Theatre Styles II** **2 hrs. (2, 0)**  
A practical application course which focuses on learning the ways in which musical and textual understanding inform the interpretation and performance of acting through song, from the mid-1960s to the present. **SAME AS:** MUTR 3220. **OFFERED:** Sem. I.
- 3300 Acting Methods** **3 hrs. (3, 3)**  
Designed for majors who have demonstrated superior performance skills. Focus will be on the American method school of acting, utilizing extensive scene study.. **OFFERED:** With sufficient demand.
- 3400 Directing** **3 hrs. (3, 0)**  
Covers directing techniques and theories for the theatre, including selecting, analyzing, casting, and rehearsing plays for production. **OFFERED:** With sufficient demand.
- 3410 Voice and Movement for the Actor III** **2 hrs. (2, 0)**  
Advanced speech techniques for the actor. Continued exploration of connecting text to breath in context with awareness of the whole body. Areas of focus include The Alexander Technique, International Phonetic Alphabet (IPA), and beginning dialects. **SAME AS:** MUTR 3410. **OFFERED:** Sem. II.

## THEA (cont.)

- 3500 Scene Design** 3 hrs. (3, 2)  
Study of theories and practices of set design for the stage, including modern construction practices. Open to all students. **OFFERED:** Sem. II.
- 3550 Lighting Design** 3 hrs. (3, 2)  
Study of theories and practices of theatrical lighting. Open to all students. **OFFERED:** Sem. II, 2022-23.
- 3650 Independent Study** 1-4 hrs. (arranged)  
Opportunities for individualized study as agreed upon by student and faculty member. **REPEAT:** May be repeated up to 4 hours.
- 4500 Musical Theatre Showcase** 2 hrs. (2, 0)  
Overview studio course for graduating musical theatre majors. Coursework involves repertoire from genres of musical theatre appropriate for each individual. Course will culminate in a showcase performance presented at the end of the semester. **SAME AS:** MUTR 4500. **OFFERED:** Sem. II.
- 4650 Independent Study** 1-4 hrs. (arranged)  
Opportunities for individualized study as agreed upon by student and faculty member. **REPEAT:** May be repeated up to 4 hours.
- 4660 International Experience in the Arts** 1-4 hrs. (arranged)  
This course is designed to give students academic credit for coursework and assignments completed in conjunction with an international experience offered through the Tri-S program. **REPEAT:** May be repeated for credit.
- 4800 Senior Project** 1-4 hrs. (arranged)  
Students complete a portfolio and present a final performance/production. The latter requirement also may be filled through an approved internship with a professional theatre company. Students wishing to advance to a Master of Arts program may also complete a paper for presentation at an approved conference. **EXPECTATION:** All required coursework. **OFFERED:** With sufficient demand.
- 4900 Seminar in Theatre Studies** 3 hrs. (3, 0)  
Specialized course focusing on various periods of theatrical history, performance genres, and/or theory. Topics vary. Open to all departmental majors (others with instructor's approval). **REPEAT:** May be repeated. **OFFERED:** With sufficient demand.
- 4910 Seminar in Performance Practices** 3 hrs. (3, 1)  
Specialized course focusing on both the study and practice of various performance skills/arts. Topics vary. Open to departmental majors and minors (others with instructor's approval).. **REPEAT:** May be repeated. **OFFERED:** With sufficient demand.

## DANC Courses

- 1120 Tap I** 1 hr. (2, 0)  
Introduces students to a wide variety of movement and a foundation for developing basic skills and tap technique for dance majors and non-majors. Tap shoes required. **REPEAT:** May be repeated for credit. **OFFERED:** Sem. I, II.
- 1150 Dance Repertory** 0-1 hrs. (arranged)  
Performance ensemble and practical technical training for participation in annual staged dance productions, department holiday concert, and touring. Auditions for performances are open to all dance majors, minors, and non-majors. Concurrent enrollment in a technique course is required. **GRADE:** CR/NC. **REPEAT:** May be repeated for credit. **OFFERED:** Sem. I, II.
- 1160 Dance Production** 0-1 hrs. (arranged)  
Students provide technical, organizational, and practical assistance with mainstage productions. Open to all dance majors, minors and non-majors. **GRADE:** CR/NC. **REPEAT:** May be repeated for credit. **OFFERED:** Sem. I, II.

**DANC (cont.)**

- 1220 Modern I** **1 hr. (2, 0)**  
Introduces students to a wide variety of movement and creates a foundation for development of basic skills and technique for dance majors and non-majors. **REPEAT:** May be repeated for credit. **OFFERED:** Sem. I, II.
- 1320 Jazz I** **1 hr. (3, 0)**  
Introduces students to a wide variety of movement and creates a foundation for development of basic skills and jazz technique for dance majors and non-majors. **REPEAT:** May be repeated for credit. **OFFERED:** Sem. I, II.
- 1420 Ballet I** **1 hr. (2, 0)**  
Introduces students to a foundation for the development of basic skills and ballet technique for dance majors and non-majors. **REPEAT:** May be repeated for credit. **OFFERED:** Sem. I, II.
- 1580 Dance Improvisation I** **1 hr. (2, 0)**  
Introduces students to spontaneous creation through words, sketches, sounds, and movement. Explores the topics of "body in space" and use of "negative space." Focuses on individual improvisation, body awareness, and the student's ability to work within a given structure, time, and space. Group improvisation introduced at the end of the course. Open to non-majors. No dance experience necessary. **OFFERED:** Sem. II.
- 1590 Dance Composition I** **1 hr. (2, 0)**  
Introduction to the basics of composition and choreography for solo work, including Laban's space, time and effort/energy principles. Evolving use of compositional tools including symmetry, asymmetry, unison, counterpoint, canon, round, retrograde, chaos, tempo, and syncopation. Includes basics of musical phrase work, theatrical staging, and directing. **OFFERED:** Sem. I.
- 1650 Independent Study** **1-4 hrs. (arranged)**  
Expanded experience in a topic area of student choice with approval from the dance area coordinator. **REPEAT:** May be repeated up to 4 hours.
- 2110 Musical Theatre Dance Forms** **1 hr. (2, 0)**  
Designed for the singing actor. Focuses on development of a repertoire of fundamental "singer-mover" dance steps while learning the historical range of styles from vaudeville to contemporary music theatre. **REPEAT:** May be repeated for credit. **OFFERED:** Sem. II.
- 2120 Tap II** **1 hr. (2, 0)**  
A continuation of Tap I, designed for the intermediate to advanced student with at least one semester of tap. Introduce students to more in-depth exercises designed to promote vocabulary and skill level, as well as the development of performance technique. **REPEAT:** May be repeated for credit. **OFFERED:** Sem. I, II.
- 2140 Embodied Performing: Introduction to the Alexander Technique** **2 hrs. (2, 0)**  
This course covers the principles, history, practical and performance-related application of the Alexander Technique. Body mapping, performance practice, and self-care will be explored through the lens of the Alexander Technique. **SAME AS:** MUPF 2140, MUTR 2140, THEA 2140. **OFFERED:** Sem. I.
- 2220 Modern II** **1 hr. (2, 0)**  
A continuation of Modern I, designed for the intermediate-level dance major or minor. This course advances techniques and basic principles of modern dance. **PREREQUISITE:** Dance majors; open to non-majors with departmental permission. **REPEAT:** May be repeated for credit. **OFFERED:** Sem. I, II.
- 2320 Jazz II** **1 hr. (3, 0)**  
A continuation of Jazz Dance I, designed for the intermediate dance major or minor. Introduces students to more complex styles, skills, and principles of jazz technique. **PREREQUISITE:** Dance majors; open to non-majors with departmental permission. **REPEAT:** May be repeated for credit. **OFFERED:** Sem. I, II.
- 2420 Ballet II** **1 hr. (2, 0)**  
A continuation of Ballet I designed for the intermediate dance major or minor. Develops advancing technique, fine motor control, style, and skills. **PREREQUISITE:** Dance majors; open to non-majors with departmental permission. **REPEAT:** May be repeated for credit. **OFFERED:** Sem. I, II.

**DANC (cont.)**

- 2580 Dance Improvisation II** **1 hr. (2, 0)**  
Focuses on the concept of “bodies in space” and develops the ability to sense the relative position of neighboring parts and bodies. Students sharpen their ability to improvise within a group setting while remaining aware of motif, structure, and cohesiveness. Use of contact improvisation introduced.  
**PREREQUISITE:** DANC 1580. **OFFERED:** Sem. II.
- 2590 Dance Composition II** **1 hr. (2, 0)**  
Further exploration of choreographic concept of Laban’s time, space, shape, energy, and dynamics. Focus is on small group composition. **PREREQUISITE:** DANC 1590. **OFFERED:** Sem. I.
- 2650 Independent Study** **1-4 hrs. (arranged)**  
Expanded experience in a topic area of student choice with approval from the dance area coordinator.  
**REPEAT:** May be repeated up to 4 hours.
- 2850 Practice in Teaching** **1 hr. (1, 0)**  
Students gain experience with teaching students in a laboratory setting, developing and using rubrics and syllabi. Students are evaluated by instructors and peers, and engage in self-evaluation and reflection. Students will develop the means to guide students in experiential, analytical, and creative exercises. **REPEAT:** May be repeated up to 4 credits.
- 3000 Global Dance Forms** **3 hrs. (3, 0)**  
Dance, symbolism, and the mind-body-spirit triad are used to explore diverse cultures and the inseparable nature of art, life, and sacred and secular practices. No previous dance experience required.  
**OFFERED:** Sem. I.
- 3010 Dance History Survey** **3 hrs. (3, 0)**  
A survey of Western European and American concert dance from the beginning of ballet to American contemporary and commercial dance. This course applies to the liberal arts writing-intensive requirement. **OFFERED:** Sem. II; Summer.
- 3050 Dance Pedagogy I** **3 hrs. (3, 0)**  
Explores the basic structures and theories of teaching beginning and intermediate modern and ballet techniques, responsible flexibility/strength training, communicating with related constituencies, and issues of gender, diversity, and cultural sensitivity in the dance class. This course applies to the liberal arts speaking-intensive requirement. **OFFERED:** Semester I
- 3055 Dance Pedagogy II** **3 hrs. (3, 0)**  
Explores pedagogical approaches for teaching intermediate and advanced modern and ballet techniques, physical/social adolescent development, classroom management/assessment strategies, mindful awareness of the specific needs of male and female dancers, and non-European dance form appreciation and application. **PREREQUISITE:** DANC3050 **OFFERED:** Semester II
- 3060 Movement Analysis** **3 hrs. (3, 0)**  
This course uses a system of observation and notation to aid students in understanding dance, health, and the science of movement. It emphasizes whole-person education (psychological, physical, sociological, spiritual). It introduces students to Alexander Technique, Bartenieff Fundamentals, Laban Movement Analysis, Feldenkrais Technique, Yoga, and Pilates as somatic practices. **OFFERED:** Sem. II.
- 3120 Tap III** **1 hr. (2, 0)**  
A continuation of Tap II, this advanced course includes syncopated rhythms, progressive step combinations and “hoofers” and “tapper” stylistic expression. **REPEAT:** May be repeated for credit.  
**OFFERED:** Sem. II.
- 3220 Modern III** **1 hr. (2, 0)**  
A continuation of Modern II, this intermediate course includes the application of more complex technique principles, with a focus on select techniques including Graham, Horton, and Humphrey/Limón. **REPEAT:** May be repeated for credit. **OFFERED:** Sem. I, II.
- 3320 Jazz Dance III** **1 hr. (3, 0)**  
A continuation of Jazz II, this advanced course covers syncopated rhythms, progressive step combinations, regional stylistic differences and prepares students for jazz improvisation and commercial dance practices. **REPEAT:** May be repeated for credit. **OFFERED:** Sem. I, II.

## DANC (cont.)

- 3420 Ballet III** **1 hr. (2, 0)**  
A continuation of Ballet II, this advanced course presents a deeper kinesthetic understanding of ballet fundamentals and sharpens physical technique through extension of line, upper body coordination, complex rhythm forms of movement, and advanced petite, grand allegro and variations. **REPEAT:** May be repeated for credit. **OFFERED:** Sem. I, II.
- 3510 Period Dance** **2 hrs. (2, 0)**  
Introduction to European and American social dance. Research and execution of movement from representative historical periods. No dance experience necessary. **REPEAT:** May be repeated for credit. **OFFERED:** Sem. II.
- 3520 Pointe** **1 hr. (2, 0)**  
A study of basic and advanced technique of pointe work. Designed for the student with several years of ballet training. Includes pointe exercises at the barre, center work, and variations. **COREQUISITE:** DANC 2420, 3420, or 4420. **REPEAT:** May be repeated for credit. **OFFERED:** Sem. I, II.
- 3530 Partnering for Ballet and Modern Dance** **1 hr. (2, 0)**  
A study of the basic technique of partnering work, including pas de deux in ballet and effort/energy lifts/weight sharing in modern dance. Designed for students at intermediate- or advanced-level in ballet and modern dance technique. **REPEAT:** May be repeated for credit. **OFFERED:** Sem. I.
- 3580 Dance Improvisation III** **1 hr. (2, 0)**  
Explores the technique of contact improvisation. Students continue to develop their sense of space, time, and proprioception while exploring the levels of physical relationships, communication and the physical laws that govern gravity, momentum and inertia to form a continuous motion conversation. **PREREQUISITE:** DANC 2580. **REPEAT:** May be repeated for credit. **OFFERED:** Sem. II.
- 3590 Dance Composition III** **1 hr. (2, 0)**  
Explores the ideas of rise and fall, arching themes, storylines, abstraction, choreography for hire, and site-specific works. Includes character development, relationships between dancers, music selection. **PREREQUISITE:** DANC 2590. **OFFERED:** Sem. I.
- 3650 Independent Study** **1-4 hrs. (arranged)**  
Expanded experience in a topic area of student choice with approval from the dance area coordinator. **REPEAT:** May be repeated up to 4 hours.
- 4060 Motor Control** **3 hrs. (3, 0)**  
Explores the neural control mechanisms by which humans plan and execute movement through the integration of the nervous, sensory, and muscular systems. Students study how the brain organizes, stores, and accesses information to create and coordinate a range of motor skills. **PREREQUISITE:** DANC 4500 or BIOL 2410. **OFFERED:** Sem. II; Summer (with sufficient demand).
- 4220 Modern IV** **1 hr. (2, 0)**  
A continuation of Modern III, this advanced course emphasizes speed, retention, variation, and advanced study in the techniques of Graham, Horton, and Humphrey/Limón. **PREREQUISITE:** DANC 3220. **REPEAT:** May be repeated for credit. **OFFERED:** With sufficient demand.
- 4320 Jazz Dance IV** **1 hr. (3, 0)**  
A continuation of Jazz III, this advanced-level course emphasizes technique and improvement of dance rhythms, dynamics, special awareness, and projection as a means of creating style, aesthetic, and performance quality. **REPEAT:** May be repeated for credit. **PREREQUISITE:** DANC 3320. **OFFERED:** With sufficient demand.
- 4420 Ballet IV** **1 hr. (2, 0)**  
A continuation of Ballet III, this advanced course emphasizes foot and arm movement and body placement using barre, center work, and choreography. Complex retention and high performance quality required at all times. **PREREQUISITE:** DANC 3420. **REPEAT:** May be repeated for credit. **OFFERED:** With sufficient demand.
- 4500 Dance Anatomy and Kinesiology** **3 hrs. (3, 0)**  
Basic principles of anatomy and kinesiology and an investigation of the human body and how it works through dance and movement. Importance placed on functionality of joints, ligaments, tendons, and of musculoskeletal, sensory, and nervous systems. **OFFERED:** Sem. I, 2022-23.

**DANC (cont.)**

- 4590 Dance Composition IV** **1 hr. (2, 0)**  
Topics include non-rhythmical music, ambient music, environmental music, improvisation as a choreographic tool, and site-specific works. Students craft original works, and the course culminates in a student dance concert. **PREREQUISITE:** DANC 3590. **OFFERED:** Sem. II.
- 4650 Independent Study** **1-4 hrs. (arranged)**  
Expanded experience in a topic area of student choice with approval from the dance area coordinator. **REPEAT:** May be repeated up to 4 hours.
- 4660 International Experience in the Arts** **1-4 hrs. (arranged)**  
This course is designed to give students academic credit for coursework and assignments completed in conjunction with an international experience offered through the Tri-S program. **REPEAT:** May be repeated for credit.
- 4800 Internship in Dance** **1-3 hrs. (arranged)**  
In-depth experience in a selected dance-related business tailored to the abilities and needs of the individual student. **PREREQUISITE:** Upper-division standing. **REPEAT:** May be repeated up to 3 hours.
- 4900 Seminar in Selected Topics** **1-4 hrs. (arranged)**  
Special dance courses as determined by the faculty. **REPEAT:** May be repeated for credit.
- 4910 Seminar in Professional Praxis for Dancers** **2 hrs. (2, 0)**  
Focus on preparation for the professional world. Topics covered include graduate school, dance company, and musical theatre. Conducted in a masterclass format, the seminar includes both oral and written participation, and the completion of a professional portfolio. **PREREQUISITE:** Upper-division standing. **OFFERED:** Sem. II.

# Nursing

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*Dr. Schmidt, dean; Prof. Cox, Prof. Eaton, Prof. Gray, Prof. Hofer, Dr. Kline, Prof. Lutterman, Prof. K. Miller, Dr. Neal, Prof. Thompson*

## PROFESSIONAL NURSING

Anderson University offers a four-year Bachelor of Science in Nursing (BSN) that emphasizes analytical skills, a liberal arts perspective, and expertise as a baccalaureate generalist. The BSN focuses on developing the student for beginning practice as a member of the profession who is a provider, educator, scholar, designer, manager, and coordinator of care. Students are taught to design innovative nursing care for individuals, families, communities, and populations with complex health states in a variety of health-care settings across the lifespan. The Anderson University School of Nursing conceptual framework borrows elements from the Ecological Model of Health as a way to comprehend the complex interplay between individuals, relationships, and environments.

Upon completion of the first year of prerequisites, students may be eligible for progression to nursing courses beginning in the sophomore year. Supporting and liberal arts courses are taken throughout the four-year curriculum and provide the basis for effective nursing practice and an understanding of the human experience. Transfer credit is evaluated by the university registrar and the dean of the School of Nursing or his/her designate.

All students must maintain a cumulative GPA of 2.0 or better for continuance in the nursing program. To advance, a minimum grade of C must be earned in each nursing class. Students must also demonstrate proficiency in designing nursing care that creates a safe patient environment resulting in high-quality patient outcomes and must receive a satisfactory clinical evaluation to successfully complete any course. Upon graduation, students are eligible to take the National Council Licensure Examination (NCLEX). A national NCLEX predictor computerized examination will be given during the second semester of the senior year.

Clinical experiences may include day, evening, and weekend hours. An accumulation of two failures in nursing courses results in dismissal from the program. Students with extended progression times in the nursing major will meet nursing requirements of the class with which they graduate.

The program has received full accreditation from the Commission on Collegiate Nursing Education ([aacnnursing.org](http://aacnnursing.org)) and approval from the Indiana State Board of Nursing.

For students considering graduate school, the faculty recommends PSYC 2440, Applied Statistics and Introduction to Research, to meet the liberal arts quantitative reasoning requirement.

All who wish to major in nursing must be formally admitted to the School of Nursing. Acceptance to the School of Nursing is on a competitive basis. The requirements are below.

## ADMISSION TO THE BACHELOR OF SCIENCE IN NURSING

### ADVANCED ACCEPTANCE (for those who apply as high school seniors)

Requirements for consideration for advanced acceptance:

- Cumulative high school GPA of 3.5 or better
- Two years of high school math, including algebra
- Three years of high school science, including biology and chemistry
- Minimum SAT total score (verbal plus math) of 1125 or a minimum ACT composite score of 21

Requirements for progression to the sophomore year:

- Grade of C or above in PSYC 2000; BIOL 2410, 2420; NURS 2140
- Cumulative grade point average of 3.2 or higher
- Completed criminal background check and drug testing\*
- Complete immunization history and physical examination\*
- CPR certification from the American Heart Association (for health professionals)\*
- Completion of "Intent to Enter" form

### REGULAR ACCEPTANCE (for current students)

Students applying for admission to the major in the sophomore year must meet the following criteria and will be considered on a competitive and space-available basis:

- Grade of C or above in PSYC 2000; BIOL 2410, 2420; NURS 2140
- Cumulative grade point average of 3.2 or higher
- Completed criminal background check and drug testing\*
- Complete immunization history and physical examination\*
- CPR certification from the American Heart Association (for health professionals)\*
- Completion of "Intent to Enter" form

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### TRANSFER STUDENT ACCEPTANCE

- Completion of a grade of C or above in PSYC 2000; BIOL 2410, 2420 (BIOL 2410 and 2420 must be taken at the same institution), or the equivalent transfer courses
- NURS 2140 (may be taken concurrently with NURS 2241, NURS 2340, and NURS 2270 with permission of the dean of the School of Nursing). NURS 2140 must be successfully completed to progress to 3000-level nursing courses.
- Cumulative GPA of 3.2 or higher
- Transfer students who have transcripts from multiple universities will utilize an "average" of the cumulative GPAs in order to meet the cumulative GPA requirement.
- A minimum of 12 semester hours must be accrued in order to include the GPA.
- Transfer students who do not meet the cumulative GPA requirement for admission to the School of Nursing must complete a minimum of 12 semester hours at Anderson University (50 percent of which must be within a traditional classroom setting) and obtain a cumulative GPA of 3.2 or higher in order to make application to the School of Nursing.
- Transfer credits in prerequisite and supporting courses (PSYC 2000, PSYC 2510, BIOL 2410, BIOL 2420, BIOL 2230, and CHEM 1000) must be taken within the previous five academic years to be considered for academic credit.
- Completed criminal background check and drug testing\*
- Complete immunization history and physical examination\*
- CPR certification from the American Heart Association (for health professionals)\*
- Completion of "Intent to Enter" form

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### **ADMISSION TO THE ACCELERATED BACHELOR OF SCIENCE IN NURSING PROGRAM**

#### Admission Criteria:

- Completion of a bachelor's degree from an accredited and recognized college or university with a minimum GPA of 2.75 or higher
- Prerequisite courses, or the equivalent transfer course, include BIOL 2410, Anatomy/Physiology (4 hours); BIOL 2420, Anatomy/Physiology II (4 hours); PSYC 2000, General Psychology (3 hours); PSYC 2510, Developmental Psychology (4 hours); CHEM 1000, Intro to Chemistry (4 hours); and BIOL 2230, Microbes and Disease (4 hours).
- Prerequisite courses must be completed with a grade of C or above, prior to the clinical phase of the program.
- Submission of a School of Nursing application, resume, three references, and an interview

## **BACHELOR OF SCIENCE IN NURSING (82 hrs.)**

59 hours in Nursing +23 hours in supportive sciences:

- NURS 2140, 2231, 2250, 2241, 2270, 2340, 3351, 3361, 3391, 4451, 4470, 4521, 4950, 4960, 4970
- BIOL 2230, 2410, 2420; PSYC 2000, 2510; CHEM 1000

42+ hours from the liberal arts courses (see Liberal Arts Framework in this catalog)

*The School of Nursing strongly recommends NURS 2130 be taken before entering the major.*

## **NURS Courses**

- 1210 Nutrition for Healthy Living** **2 hrs. (2, 0)**  
Explores principles of nutrition as they relate to physical fitness. Content includes important nutritional elements and their relationship to maintaining health. Required activities include personal health assessment skills, nutritional assessment, and aerobic activities. Not required for nursing major but highly recommended. **OFFERED:** Sem. I, II.
- 2130 Is Nursing for me?** **1 hr. (1, 0)**  
Discussion of history and contemporary issues of nursing and their impact on current nursing practice is included in study. Relationship between the nursing major, the liberal arts, and support science courses will be explored. The course is designed to assist students in determining if nursing is the correct career choice. Not required for nursing major but highly recommended. This class is not open to juniors or seniors. **GRADE:** CR/NC. **OFFERED:** Sem. I.
- 2140 Introduction to Nursing** **2 hrs. (2, 0)**  
Introduces the practice of nursing from the perspective of the profession. Focuses on understanding nursing terminology, roles, socialization, values, rights, and responsibilities. Expanding on historical influences develops a working knowledge of current health-care delivery and legal concerns. With approval by the dean of the School of Nursing, may be taken concurrently with NURS 2240. **OFFERED:** Sem. II.
- 2170 Skills and Procedures Boot Camp** **2 hrs. (1, 1-13)**  
Introduces novice nursing students to basic skills and procedures in preparation for the clinical experiences. The skills and procedures obtained in this course include: The Health Insurance Portability and Accountability Act (HIPAA) training, and the protection of patient's rights, infection control, handwashing, Personal Protective Equipment (PPE), fire safety, patient safety and ergonomics (ambulation, active and passive range of motion, restraints), communications skills, and vital signs: blood pressure, temperature, pulse, respirations, pulse oximetry, pain, height and weight). Additional skills and procedures include: activities of daily Living (ADL's) (positioning/ turning/transfers/restraints, personal hygiene, bed making, proper feeding techniques, skin care, pressure prevention), care of assistive devices (hearing aids, artificial eyes, eyeglasses, and dentures), and the use of compression stockings. This course is intended for students that do not have previous patient care and health care training (Certified Nursing Assistant, Emergency Medical Technician, or Licensed Practical Nurse) **GRADE:** CR/NC. **OFFERED:** Sem. I.
- 2231 Fundamentals I** **5 hrs. (4, 3-45 clinical hrs.)**  
Introduces student to nursing process through the AUSON Conceptual Framework focusing on individuals, families, communities, and populations. Students learn to conduct comprehensive and focused physical, behavioral, psychological, spiritual, socioeconomic, and environmental assessments of health and illness utilizing developmentally and culturally appropriate approaches. Basic psychomotor skills for delivery of efficient, safe, and compassionate care introduced and utilized with patients as students are considered novices and exhibit concrete thinking. Admission to program is required. **PREREQUISITE:** BIOL 2410, 2420; PSYC 2000. **COREQUISITE:** NURS 2250, PSYC 2510, BIOL 2230. **OFFERED:** Sem. I.

## NURS (cont.)

- 2241 Fundamentals II** **5 hrs. (3, 6-90 clinical hrs.)**  
Builds on the content of Fundamentals I in the continuing study of individuals, families, communities, and populations through use of the AUSON Conceptual Framework. The clinical component continues the development of comprehensive and focused physical, behavioral, psychological, spiritual, socioeconomic, and environmental assessments of health and illness utilizing developmentally and culturally appropriate approaches. Basic psychomotor skills for the delivery of efficient, safe, and compassionate care continue to be introduced and utilized with patients as students are considered novices and exhibit concrete thinking. Begins the study of the preparation and administration of medication in a safe care environment that results in high-quality patient outcomes. **PREREQUISITE:** NURS 2231, NURS 2250, PSYC 2510, BIOL 2230. **COREQUISITE:** CHEM 1000, NURS 2340. **OFFERED:** Sem. II.
- 2250 Foundational Strategies for NCLEX Success** **1 hr. (1, 0)**  
This course focuses on foundational nursing concepts toward developing a framework for critical thinking and National Council Licensure Exam (NCLEX) test taking strategies. This course will utilize Kaplan) and other test-taking resources to improve critical thinking and analyzing test questions. Students will develop strategies for studying, including applying course content into NCLEX questions, as well as strategies for managing test anxiety and for increasing test-taking skills. **OFFERED:** Sem. I.
- 2270 Pathophysiological Basis for Pharmacology in Nursing** **4 hrs. (3.0, 2-30 lab hrs.)**  
Builds on the content and experiences of the introductory nursing courses. Includes consideration of individuals, families, communities, and populations through the use of the AUSON Conceptual Framework. Partners with the Fundamental course to continue the study of preparation and administration of medication in a safe care environment that results in high-quality patient outcomes. This course will summarize and discuss physiological processes including absorption, distribution, metabolism, and excretion of drugs. Drug action and interactions will be discussed. Appropriate dosage calculation must be demonstrated by the student. **PREREQUISITE:** NURS 2231, PSYC 2510, BIOL 2230. **COREQUISITE:** CHEM 1000, NURS 2241. **OFFERED:** Sem. II.
- 2340 Personal and Community Health Nursing** **2 hrs. (2, 0)**  
Uses the AUSON Conceptual Framework to analyze risks to health for individuals and population groups in the community setting. Students will learn strategies in primary, secondary, and tertiary prevention to apply to community health needs. Topics include environmental health issues, poverty, health disparities, equity, and the social determinants of health. **PREREQUISITE:** NURS 2231, NURS 2250, PSYC 2510, BIOL 2230. **COREQUISITE:** CHEM 1000, NURS 2241. **OFFERED:** Sem. II.
- 3351 Adult Health I** **6 hrs. (3, 9-135 clinical hrs.)**  
Builds on the content of 2000-level nursing courses and support courses. Focuses on the application of the AUSON Conceptual Framework and nursing process for patients, families, and communities. Implementation of evidence-based nursing interventions for managing acute and chronic care of patients and promoting health is included in study. Basic psychomotor skills for the delivery of efficient, safe, and compassionate care continue to be introduced and utilized with patients as students now function as advanced beginners and are to apply critical/ creative-thinking strategies. **PREREQUISITE:** CHEM 1000, NURS 2241, NURS 2340. **OFFERED:** Sem. I.
- 3361 Adult Health II** **6 hrs. (3, 6-90 clinical hrs.)**  
Builds upon the content and experiences from Adult Health I. Emphasis on application of the AUSON Conceptual Framework and nursing process with individuals, families, communities, and populations. Implementation of evidence-based nursing interventions for managing acute and chronic care of patients and promoting health. Communication with all members of the health-care team, including the patient and the patient's support network is emphasized. Practical experiences focus on increasing clinical reasoning skills. The application of critical/creative thinking is used as students practice as advanced beginners. **PREREQUISITE:** NURS 3351. **COREQUISITE:** NURS 3391. **OFFERED:** Sem. II.
- 3391 Evidence-Based Research** **3 hrs. (3, 0)**  
Introduces nursing research with an in-depth study of the steps of the research process. Analysis of nursing research studies will occur. Explores research design and application of evidence-based practice methodology. Students critique research articles and develop a proposal related to a topic of

## NURS (cont.)

significance to the practice of nursing. It is recommended that the math requirement be met prior to enrolling in the course. This course applies to the liberal arts writing-intensive requirement. **PREREQUISITE:** NURS 3351 and ENGL 1120 or RN License. **COREQUISITE:** NURS 3361. **OFFERED:** Sem. II.

**3400 Nursing Remediation** **1-6 hrs. (arranged)**

This course is offered to nursing students who have been absent for more than one calendar year from their last clinical experience. Remediation may include, but is not limited to: Kaplan resources, simulation, and appropriate skills level check off.

**3850 Practicum in Nursing** **1-3 hrs. (arranged)**

Individualized study, clinical experiences, research, and/or project. **CONSENT:** Dean, School of Nursing and Kinesiology. **REPEAT:** May be repeated. **OFFERED:** Sem. I, II.

**4451 Adult Health III** **7 hrs. (4, 9-135 clinical hrs.)**

Builds on the 2000- and 3000-level nursing courses and support courses. Focused application of the AUSON Conceptual Framework and nursing process with clients with complex medical issues. Patient care includes individuals, families, communities, and populations. Integration of evidence-based nursing interventions is required in the design of nursing systems. Students come to the course as advanced beginners, and through the integration of creative/critical judgment processes of analysis/synthesis, the development of competence in practice is begun. **PREREQUISITE:** NURS 3361, NURS 3391. **COREQUISITE:** NURS 4470. **OFFERED:** Sem. I.

**4470 Seminar in Nursing** **4 hrs. (4, 0)**

Professional standards of moral, ethical, and legal conduct are discussed. Students assume accountability for personal and professional behaviors by reflecting on one's own beliefs and values as they relate to professional practice. Students identify personal, professional, and environmental risks that impact personal and professional choices on vulnerable populations. This course applies to the liberal arts writing-intensive requirement. **PREREQUISITE:** NURS 3361, NURS 3391. **COREQUISITE:** 4451. **OFFERED:** Sem. I.

**4521 Child Health** **4 hrs. (3, 3-45 clinical hrs.)**

Builds on the experiences of prior courses and required synthesis and analysis of all previously learned material as the student progresses into specialized content of caring for children and families within the AUSON Conceptual Framework. The roles of the pediatric nurse are examined within health promotion, health maintenance, and health restoration. Developmental and family-centered nursing-care concepts are integrated with liberal arts knowledge to identify nursing-care needs of children. **PREREQUISITE:** NURS 4451, NURS 4470. **COREQUISITE:** NURS 4950, NURS 4960, NURS 4970. **OFFERED:** Sem. II.

**4950 Intercultural Capstone** **4 hrs. (2, 6-90 clinical hrs.)**

Emphasizes the value of human diversity in order to provide safe, high-quality care. Discussion of the health care provider's practice in a multicultural environment providing culturally appropriate care across settings is included in study. Students are expected to immerse themselves in a culture other than their own through an intercultural experience. **EXPECTATION:** Students should plan for additional costs for transportation and other expenses, which may vary from \$500 to \$3,500. **CONSENT:** Instructor. **PREREQUISITE:** NURS 4451, NURS 4470. **COREQUISITE:** NURS 4521, NURS 4960, NURS 4970. **SAME AS:** PUBH 4950. **OFFERED:** Sem. II.

**4960 Leadership Capstone** **4 hrs. (2.5, 4.5-67.5 clinical hrs.)**

Builds on previous nursing courses as the student moves toward becoming a competent generalist nurse, who is a provider, designer, manager, and coordinator of care. Includes a practicum, which allows the student to integrate new practice-related knowledge and skills. Critically analyzes leadership principles and management strategies and how they affect the organization and influence patient outcomes. Examines and applies total quality improvement processes and tools which impact patient safety and meet regulatory requirements. Analyzes the utilization and control of financial and human resources to promote quality patient care and optimize professional practice. The nurse as consumer advocate is emphasized. This course applies to the liberal arts speaking-intensive requirement. **PREREQUISITE:** NURS 4451, NURS 4470. **COREQUISITE:** NURS 4521, NURS 4950, NURS 4970. **OFFERED:** Sem. II.

## NURS (cont.)

### 4970 Clinical Capstone

2 hrs. (0.5, 4.5-67.5 clinical hrs.)

Builds on all prior nursing courses as the student will have the opportunity to demonstrate competencies consistent with the program outcomes. In collaboration with the faculty and a preceptor in a chosen care setting, the student will apply critical thinking, academic knowledge, and clinical skills in a real-life working environment. The purpose of this clinical immersion is for the student to formulate an understanding of expectations in preparation for the transition from student to novice nurse. **PREREQUISITE:** NURS 4451, NURS 4470. **COREQUISITE:** NURS 4521, NURS 4950, NURS 4960. **OFFERED:** Sem. II.

## RN-BSN CURRICULUM (NURS Courses)

### 1050 Role Transition

3 hrs. (3, 0)

The role of the professional baccalaureate generalist is explored including strategies for success as a lifelong learner. Moral, ethical, and legal standards of conduct and nursing values are discussed. Students will be introduced to nursing theorists, governing bodies and evidenced-based standards that inform professional baccalaureate nursing practice. Introduces students to tools utilized for the discovery of current nursing and medical research. Investigates the students' abilities to function as a part of a team and in collaboration with team members and interprofessional partners. The relationship between the ability to deliver quality patient care and personal renewal and health is explored. **PREREQUISITE:** RN License

### 2350 Quality and Safety in Nursing Systems

3 hrs. (3, 0)

Introduces students to Nursing Systems thinking utilizing the AUSON Conceptual Framework. Introduces effective communication and patient teaching and empowerment techniques. Explores the benefits and hazards of intra and interprofessional communication, including communication through technology in the delivery of quality, safe patient centered care. Evaluates personal autonomy and accountability, as well as system functioning in the delivery of quality, safe, patient centered care. Collaboration while providing patient-centered, evidence-based care is emphasized to improve practice and patient outcomes. Explores cultural, ethical, legal, and moral implications to delivering compassionate, safe, and quality care. **PREREQUISITE:** RN License.

### 1150 Informatics in Healthcare Nursing

3 hrs. (3, 0)

This course examines the role of the professional baccalaureate nurse's role in health information technology. Topics will include nursing's role in using and supporting information system technology to maximize healthcare safety and quality. Moral, ethical, and legal standards of conduct and regulatory compliance will be discussed. Examines use of electronic health records and Health information Exchanges. Explores regulation and methods used to protect patient data and health care systems within networks and cyber security. Use of databases, media, and computer applications are discussed including analysis of application processes. Discusses emerging and future health care technologies such as Artificial Intelligence, internet, genomics, emerging technologies, protecting data, network and Online Security, Electronic Health records. **PREREQUISITE:** Enrolled in Anderson University School of Nursing or permission from the Dean.

### 1100 Population Based Health Care

3 hrs. (3, 0)

Utilizes the AUSON Conceptual framework to analyze risks of health for population groups, including individuals within groups. Advocacy strategies for vulnerable populations is investigated. Strategies of primary, secondary, and tertiary prevention will be explored and applied to community health needs. Explores determinates of health, poverty, health disparities, equity, community partnerships, environmental effects on health, and population protection during health emergencies and disasters. Clinical observational experience in community settings are included. **PREREQUISITE:** RN License.

### 3391 Evidenced Based Research

3 hrs. (3, 0)

Introduces nursing research with an in-depth study of the steps of the research process. Analysis of nursing research studies will occur. Explores research design and application of evidence-based practice methodology. Students critique research articles and develop a proposal related to a topic of significance to the practice of nursing. It is recommended that the math requirement be met prior to enrolling in the course. This course applies to the liberal arts writing-intensive requirement. **PREREQUISITE:** NURS 3351 and ENGL 1120 or RN License. **COREQUISITE:** NURS 3361.

## PUBH Courses

- 4360 Health Policy** **3 hrs. (3, 0)**  
Health policies can have a profound effect on quality of life. As such, health policies are linked to accessibility, cost, quality of healthcare, safety of food, water and environment, and the right to make decisions about health. This course will provide a framework for understanding and analyzing a variety of health policy issues. It will provide an introduction to U.S. policymaking in the legal system and will consider essential issues in health policy and law, including health insurance, individual rights in health care, and health care access and quality. The purpose of this course is to introduce students to the policy environment that influences and shapes public health and the provision of health care service, to enhance understanding of the historical and political context of health policy, and to develop strategies for analysis of health policy issues, as well as effective communication in the policy environment.

## Additional NURS Courses

- xxxx Nursing Seminar: Issues, Trends and Ethics** **3 hrs. (3, 0)**  
Moral, ethical, and legal conduct is explored in relation to professional nursing standards. Encourages students to reflect on beliefs and values as they related to personal and professional behaviors. Practicing civil discourse students assume responsibility for their professional behaviors and decision making. Ethical theories and ethical/legal dilemmas are explored in relation to patient rights and the profession of nursing. Current issues and trends are investigated and discussed. Assists students in self-awareness by exploring current issues such as mindfulness, emotional intelligence, and biases. **PREREQUISITE:** RN License.
- xxxx Nursing Leadership for the Registered Nurse** **3 hrs. (3, 0)**  
Builds on previous nursing courses as students continue to develop as a nurse who is a provider, designer, manager, and coordinator of care. Discovers how personal and organizational leadership principles and management affects outcomes of organizations and patients. Investigates the total quality improvement processes as well as other tools impacting patient safety through student application. Acquires how these processes and tools are utilized in meeting and maintaining regulatory requirements. Analyzes the handling and management of human and financial resources in relation to promoting safe, quality patient care and optimizing professional practice. The nurse as consumer advocate is emphasized. A semester project will be completed with a healthcare leader. This course applies to the liberal arts speaking-intensive requirement. **PREREQUISITE:** RN License and NURS 3391.
- xxxx Diversity Capstone** **3 hrs. (3, 0)**  
Builds on previous nursing courses to cultivate individual cultural intelligence and cultural humility of diverse populations. Explores the effects of personal bias, the navigation of systems, cultural components to delivering safe, high quality of care. Discusses concepts related to global health emphasizing historical context, cultural norms, and socioeconomic factors. Investigates the gaps of current research for a diverse and/or vulnerable populations and develops a project to disseminate to a professional health care system addressing an identified gap in care for a selected diverse population. Students will continue to develop culturally congruent nursing practice in a diverse cultural environment in providing appropriate care based upon cultural humility through service learning. This course applies to the liberal arts writing-intensive requirement. **PREREQUISITE:** RN License and NURS 3391.
- xxxx Professional Development and Transition Capstone** **3 hrs. (3, 0)**  
Demonstrates students' competency in the BSN Essential domains through the documentation of knowledge gained in previous courses and experience in the clinical setting. Clinical experience is documented in students' Professional Portfolio either through employment verification or through a clinical experience completed in collaboration with the faculty and preceptor in a chosen care setting. Self-analysis and reflection will substantiate students' clinical judgement and reasoning advancement. Explores potential employment opportunities and professional developmental goals. **PREREQUISITE:** RN License, previous RN-BSN program courses.

**Electives  
(NURS)**

- xxxx Complementary and Alternative Therapies 3 hrs. (3, 0)**  
Introduces students to different holistic therapeutic modalities such as massage and guided imagery. Explores herbal therapies as complementary and alternative to western traditional pharmacotherapies. Newer treatments in the areas of genomics, personalized medicine, and supplementary diagnostic procedures will also be investigated.
- xxxx Enriching Clinical Reasoning and Judgement 3 hrs. (3, 0)**  
Utilizes current knowledge in assessment, anatomy, pathophysiology, and pharmacology to explore common patients undefining presenting symptoms such as shortness of breath, abdominal pain, and headache. Case studies allow students to further develop knowledge by exploring the primary patient problem supported by assessment findings, anatomy, and pathophysiology concepts. Utilizing clinical reasoning and judgement, students will explore nursing and pharmacological interventions in relation to the primary patient problem. Nursing systems thinking will be utilized to explore patient issues in relation to quality and safe care. Required for RNs who have been out of nursing practice for five years or more.
- xxxx Emergency Room Nursing Care 3 hrs. (2, 3-45 clinical hours)**  
Introduces students to the basics in emergency and trauma care for patients across the lifespan. Discusses common emergent and critical care issues among patients found in an emergency department. Uses triaging principles and protocols to give understanding to the prioritization and flow of patient care. Discusses focused health assessments appropriate for patients presenting health problems. Neonatal, pediatric, and adult Basic and Advanced Cardiac Life Support concepts, including cardiac rhythms, will be reviewed. Explores legal, ethical and moral dilemmas that present commonly in the emergency department. Focuses on appropriate collaboration and communication within the emergency department team. Explores specific assessments, equipment and concepts applied in critical care areas.

*(Course description language utilizes American Association of Colleges of Nursing, Essentials of Baccalaureate Education for Professional Practice, 08)*

# PEACE AND CONFLICT TRANSFORMATION

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*Dr. Varner, director*

The Peace and Conflict Transformation (PACT) minor is available to all students as a complement to any major. The PACT minor is not limited to one department but is designed as an interdisciplinary engagement with the broad array of issues involved in peace and conflict transformation.

## PEACE AND CONFLICT TRANSFORMATION MINOR (18 hrs.)

- PACT 2100, 2200, 2300, 2400
- 1 hour cross-cultural, service-learning, or internship experience
- 9 hours from any of the following courses:
- BSNS 3230, 3300; CMIN 2520; CRIM 3010; DANC 3000; ECON 2010; ENGL 3190, 3580; FLAN 2000; HIST 3190; PHIL 3210; POSC 3300, 3310; PSYC 2100; RLGN 3020, 3120, 3320; SOCI 2010, 2020, 3400

## PACT Courses

- 2100 Introduction to Peace and Conflict Transformation** **2 hrs. (2, 0)**  
Introduction to the interdisciplinary work of peace and conflict transformation. Includes examination from several perspectives of conflict at several levels (e.g., interpersonal, racial, global, etc.) as well as inquiry into the relationships between them. Considers various models by which peace and reconciliation are pursued and encourages critical self-understanding through action and reflection. **OFFERED:** Sem. I, 2022-23.
- 2200 Peacemakers Past and Present** **2 hrs. (2, 0)**  
Survey of prominent figures from several fields who have contributed significantly to understanding peace and conflict transformation. Emphasizes the figures' writings (whether fiction, nonfiction, poetry, sermons, speeches, letters, etc.) and encourages critical self-expression through writing and speech. **OFFERED:** Sem. II, 2022-23.
- 2300 Peace, Conflict, and Religion** **2 hrs. (2, 0)**  
Study of the role played by religion in situations of conflict and the pursuit of peace. Includes consideration of specific religious traditions, texts, figures, movements, and events, and encourages critical self-reflection through observation and inquiry. **OFFERED:** Sem. I, 2021-22.
- 2400 Principles and Practices of Conflict Transformation** **2 hrs. (2, 0)**  
Engagement with a variety of principles and practices developed and employed in selected endeavors (e.g., counseling, mediation, negotiation, racial reconciliation, diplomacy, etc.). Encourages self-appropriation through research, presentation, and critique. **OFFERED:** Sem. II, 2021-22.

# PHYSICAL SCIENCES AND ENGINEERING

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*Dr. McPheron, chair; Prof. Baker, Dr. Carr, Prof. Craton, Dr. Kang, Dr. Kennedy, Prof. Lowmiller, Dr. Lyle-Ippolito, Dr. Pottorf, Dr. Troy, Dr. Wallace, Prof. Williamson; Prof. George, Dr. Wile*

The Department of Physical Sciences and Engineering offers majors in biochemistry, chemistry, physics, physical science, electrical engineering, computer engineering, engineering physics, mechanical engineering, and mechatronics engineering; as well as minors in chemistry and physics. Students gain broad scientific and engineering knowledge in the classroom while having opportunities to do significant research. Graduates often go on to medical and graduate programs, while others find careers as scientists and engineers.

## Engineering Programs

The mission of Anderson University's Engineering Program is to develop highly qualified, innovative, servant leaders.

### *Living the Mission:*

- Highly Qualified Engineers – We provide a Christ-centered, hands-on education, grounded in the liberal arts that inspires students toward excellence in engineering.
- Innovative Thinkers – We model resourceful, pioneering, and creative thinking to uniquely mentor students to deal with the challenges of vocation, life, and community.
- Servant Leaders – We seek to live God-honoring lives of integrity, and share the importance of Christ-like servanthood. “For even the Son of Man did not come to be served, but to serve, and to give his life as a ransom for many.” Mark 10:45.

### *Program Characteristics:*

- Theoretical Knowledge – Anderson University Engineering students will have advanced mathematical, scientific, and engineering skills – including significant design, problem solving, and data processing ability – built upon a liberal arts foundation.
- Practical Experience – Anderson University Engineering students will have significant hands-on experiences, driven by laboratory exercises, research assistantships, internships, project management, and interdisciplinary opportunities.
- Grounded in Faith – Anderson University Engineering students will be lifelong learners who, through the lens of a Christian worldview, will recognize God's calling on their lives to serve the Church and society.

### *Program Educational Objectives:*

Engineering graduates from Anderson University, three to five years post-graduation, will be improving society by:

- actively serving Christ in their local church, community, and/or worldwide,
- using a biblical worldview for professional and ethical decision making,
- thriving professionally individually and in teams, and
- successfully pursuing advanced degrees, certifications, and/or professional development opportunities.

## COMPUTER ENGINEERING

Students in the ABET-accredited computer Engineering program are exposed to the concepts of electricity, electronics, digital logic, computer architecture, computer organization, and computer science, and how they apply to designing embedded systems and larger scale computer systems. Students will have the opportunity to see various applications of computer engineering to digital system design and computer design.

Graduates of this program will be given a solid background in the theoretical and applied study of computer engineering, having been exposed to various techniques and instrumentation. Students will also have the opportunity to expand their creative abilities through design courses that challenge them to engineer solutions with cost and resources in mind.

With a degree in computer engineering from Anderson University, students will be well-prepared to apply their knowledge to the fields of digital systems, computer architecture, computer science, and computer networks in the workforce.

#### **COMPUTER ENGINEERING MAJOR, BACHELOR OF SCIENCE (82 hrs.)**

- CPSC 2250, 2320 (may substitute CPSC 2500), 2420, 2430, 2500, 4420
- CHEM 2110
- MATH 2010, 2020, 3010, 3100, 4010
- PHYS 2240, 2250
- ENGR 2001, 2002, 2003, 2010, 2030, 2090, 2110, 2310, 3030, 3220, 3260, 3270, 3280, 4950, 4960

#### **ELECTRICAL ENGINEERING**

Students in the ABET-accredited electrical engineering program are exposed to the concepts of electricity, electronics, and electromagnetism and how they apply to the generation of power, design of complex electrical systems, design of integrated circuits, and the design of electromechanical machines. Students will have the opportunity to see various applications of electrical engineering from electronics, power systems, telecommunications, control systems, and signal processing.

Graduates of this program will be given a solid background in the theoretical and applied study of electrical engineering, having been exposed to various techniques and instrumentation. Students will also have the opportunity to expand their creative abilities through design courses that challenge them to engineer solutions with cost and resources in mind.

With a degree in electrical engineering from Anderson University, students will be well prepared to apply their knowledge to the fields of electronics, power systems, electromagnetics, communications, and signal processing.

#### **ELECTRICAL ENGINEERING MAJOR, BACHELOR OF SCIENCE (84 hrs.)**

- CPSC 2320 (may substitute CPSC 2500), 2420
- CHEM 2110
- PHYS 2240, 2250
- MATH 2010, 2020, 3010, 3020, 3100, 4010
- ENGR 2001, 2002, 2003, 2010, 2030, 2090, 2110, 2310, 3030, 3220, 3230, 3240, 3250, 3270, 3280, 4230, 4240, 4250, 4950, 4960

#### **MECHANICAL ENGINEERING**

Students in the ABET-accredited mechanical engineering program will learn the principles and skills necessary to understand how heat and mechanical power can be used in the design of machines and other tools. Graduates of the mechanical engineering program will have a diverse background, with skills that equip them for careers in automotive, aerospace, manufacturing, and consumer goods.

### **MECHANICAL ENGINEERING MAJOR, BACHELOR OF SCIENCE (83 hrs.)**

- CPSC 2320 (may substitute CPSC 2500)
- CHEM 2110
- PHYS 2240, 2250
- MATH 2010, 2020, 3010, 3020, 3100
- ENGR 2001, 2002, 2003, 2010, 2030, 2070, 2090, 2110, 2310, 3030, 3100, 3110, 3160, 3180, 3190, 3510, 4100, 4110, 4130, 4160, 4950, 4960

### **MECHATRONICS ENGINEERING**

Mechatronics Engineering is the multidisciplinary union of mechanical, electrical, and computer engineering with application towards the design and control of electromechanical systems. Students pursuing a degree in mechatronics engineering will be exposed to topics from each of these disciplines, capped off by a course in Mechatronics System Design.

### **MECHATRONICS ENGINEERING MAJOR, BACHELOR OF SCIENCE (83 hrs.)**

- CPSC 2320 (may substitute CPSC 2500)
- CHEM 2110
- PHYS 2240, 2250
- MATH 2010, 2020, 3010, 3100
- MATH 3020 or MATH 4010 or MATH 2120
- ENGR 2001, 2002, 2003 (may substitute 2200), 2010, 2030, 2090, 2110, 2310, 3030, 3100, 3110, 3220, 3280, 3510, 4020, 4950, 4960
- Minimum of 3 hours from:
  - ENGR 3160, 4030, 4110, 4130, or approved 3000 or 4000 level engineering elective
- Remaining hours from 3000 level and above courses in CPSC, ENGR, MATH, or PHYS

## **Physical Science Programs**

### **BIOCHEMISTRY**

The biochemistry major is an interdisciplinary major that applies the principles and methods of both biology and chemistry to understanding the molecular basis of life. The major requires a number of basic classes from each discipline with advanced courses in chemical instrumentation, cell and molecular biology, genetics, and biochemistry, and allows the student to select additional courses necessary to pursue certain career objectives. Students considering a biochemistry major should begin their study with CHEM 2110 and BIOL 2210.

### **BIOCHEMISTRY MAJOR, BACHELOR OF ARTS (56 hrs.)**

- CHEM 2110, 2120, 2210, 2220, 3100, 4510, 4520
- BIOL/CHEM 4210
- BIOL/CHEM 4220
- BIOL/CHEM/PHYS 4910, 4920
- BIOL 2210, 2220, 2240, 4050, 4310
- Elective hours from:
  - CHEM 3140, 4090, 4110
  - BIOL 3030, 4120

*It is suggested that students pursuing pre-medicine should elect BIOL 3030, 4120. They should also take PHYS 2140, 2150 or MATH 2010, 2020, PHYS 2240, 2250.*

*It is suggested that students pursuing graduate school should elect CHEM 3140, 4090, 4110; BIOL 3030. They should also take MATH 2010, 2020; PHYS 2240, 2250.*

*It is suggested students pursuing an industry career should elect CHEM 3140.*

#### **BIOCHEMISTRY MAJOR, BACHELOR OF SCIENCE (76 hrs.)**

- CHEM 2110, 2120, 2210, 2220, 3100, 4110, 4510, 4520
- BIOL 2210, 2220, 2240, 3030, 4050, 4310
- BIOL/CHEM 4210
- BIOL/CHEM 4220
- BIOL/CHEM/PHYS 4910, 4920
- PHYS 2140 or 2240
- PHYS 2150 or 2250
- MATH 2010
- MATH 2120 or PSYC 2240

#### **CHEMISTRY**

The study of chemistry introduces students to the world of atoms and molecules and their composition and interactions. This study is recommended for chemistry majors and minors as preparation for graduate school, medical school, secondary-level teaching, or careers in government or industrial laboratories. It is also recommended for physics or biology students to supplement and complement their major fields of study. Students considering a chemistry major should begin their study with CHEM 2110.

#### **CHEMISTRY MAJOR, BACHELOR OF ARTS (52 hrs.)**

- CHEM 2110, 2120, 2210, 2220, 3100; 4110 or 4120; 4510, 4520, 4910, 4920
- PHYS 2240, 2250
- MATH 2010, 2020
- Remaining hours from additional upper-division (3000-level and above) CHEM courses
- CHEM 1000 and 2700 do not apply toward the major

#### **CHEMISTRY MAJOR, BACHELOR OF SCIENCE (60 hrs.)**

- CHEM 2110, 2120, 2210, 2220, 3100, 4110, 4510, 4520, 4910, 4920
- PHYS 2240, 2250
- MATH 2010, 2020
- Minimum of 16 hours from CHEM 3140, 4090, 4100, 4120, 4210, 4650
- CHEM 1000 and 2700 do not apply toward the major

#### **CHEMISTRY MINOR (16 hrs.)**

- Must include CHEM 3100
- Remaining hours from additional CHEM courses
- CHEM 1000 and 2700 do not apply toward the minor

## PHYSICS

The purpose of study in physics is to obtain an understanding of the nature and order of the physical world while being exposed to the logical application of scientific methods in discovering this order. This study is recommended for physics majors and minors as preparation for graduate school, secondary-level teaching, or other employment, and for chemistry, biology, mathematics, computer science, and pre-medical students to supplement and complement their major fields of study. Students majoring in physics have two options, based on their specific career goals: those wishing to pursue a graduate degree or high-tech career in physics or engineering (Bachelor of Science in Engineering Physics), and those interested in laboratory work or a career in teaching (Bachelor of Arts in Physics).

### ENGINEERING PHYSICS MAJOR, BACHELOR OF SCIENCE (76-79 hrs.)

- CHEM 2110
- MATH 2010, 2020, 3010, 3020, 3100
- PHYS 2240, 2250, 3130, 4130, 4220, 4410
- ENGR 2001, 2002, 2003, 2310, 2010, 2030, 2070, 2090, 2110, 3240, 4950, 4960
- CPSC 2320 (may substitute CPSC 1400 or CPSC 2500)
- A minimum of 6 hours of any CPSC, ENGR, MATH, or PHYS courses at the 3000-level or above

### PHYSICS MAJOR, BACHELOR OF ARTS (60-63 hrs.)

- PHYS 2240, 2250, 3130, 4130, 4210, 4220, 4410, 4510, 4520, 4910, 4920
- ENGR 2030, 2070, 2310
- CHEM 2110
- MATH 2010, 2020, 3010, 3020, 3100
- CPSC 2320 (may substitute CPSC 1400 or CPSC 2500)

### PHYSICS MINOR (16 hrs.)

- PHYS 2240, 2250, 3130
- May include ENGR 2070
- Remaining hours from additional upper-division (3000-level and above) PHYS courses

## PHYSICAL SCIENCE

The purpose of study in the physical sciences is to obtain an understanding of the nature and order of the physical world while being exposed to the logical application of scientific methods in discovering this order. Students considering a career in secondary education may wish to pursue the physical science major instead of the more specialized physics or chemistry majors.

The physical science major is not intended as a sufficient preparation for graduate studies in the fields of chemistry or physics, nor is it designed to prepare students for a scientific career in industry. It is strongly encouraged, but not required, that students also pursue the TeachScience complementary major as part of their studies.

### PHYSICAL SCIENCE MAJOR, BACHELOR OF ARTS (50 hrs.)

- PHYS 1000, 1020, 1240, 2240, 2250, 3130, 4510, 4520, 4910, 4920
- CHEM 2110, 2120, 2210, 3100
- MATH 2010, 2020

## CHEMISTRY/PHYSICS/PHYSICAL SCIENCE TEACHING TRACK

Students who wish to pursue a career in teaching should complete a BA or BS degree following a three-year plan (Chemistry) or four-year plan. After graduation with their BA or BS, students will complete the one year Anderson University Transition to Teaching (T2T) post-baccalaureate licensure program. By obtaining a degree in Chemistry, Physics, and Physical Science, students will have the content expertise required to teach high school courses in these fields. The one-year Transition to Teaching program will provide students the training required to become licensed high school educators.

### CHEM Courses

- 1000 Introduction to Chemistry** 4 hrs. (3, 2)  
A survey approach to the study of chemistry examining the methods of science as applied to the study of inorganic, organic, and biochemistry. Emphasis on understanding chemical principles and their application to the environment, with some use of numerical computations. Not applicable toward chemistry major or minor. **OFFERED:** Sem. II.
- 2110 General Chemistry I** 4 hrs. (3, 2.5)  
Basic introduction to theory and practice of chemical principles with emphasis on atomic structure, chemical bonding, stoichiometry, thermochemistry, and physical states of matter. **EXPECTATION:** Students entering general chemistry normally have at least one year of high school chemistry and two years of high school algebra. **OFFERED:** Sem. I.
- 2120 General Chemistry II** 4 hrs. (3, 2.5)  
Further studies of chemical principles including kinetics, oxidation-reduction and acid-base reactions, inorganic complexes, and nuclear chemistry. **EXPECTATION:** Students entering this class should have completed CHEM 2110 or equivalent. **OFFERED:** Sem. II.
- 2210 Organic Chemistry I** 4 hrs. (3, 3)  
Bonding theory, composition, and constitution of carbon frameworks and functional groups, nomenclature, stereochemistry, and introduction to reactions and reaction mechanisms. **PREREQUISITE:** CHEM 2110. **OFFERED:** Sem. I.
- 2220 Organic Chemistry II** 4 hrs. (3, 3)  
Reactions, mechanisms, and synthesis of various functional groups. Spectroscopy, including NMR, IR, and UV-VIS. **PREREQUISITE:** CHEM 2210. **OFFERED:** Sem. II.
- 2700 Science Teaching Methods I** 3 hrs. (2, 1)  
This course involves the learning and application of the methods of teaching science. In addition to some lecture and classroom discussion, students complete a practicum experience with a master teacher in a public or private school setting. Topics covered and jointly pursued by AU faculty and the master teacher include learning theories, classroom management, inquiry-based teaching, history of science, special/gifted education, and an introduction to rubrics/grading/assessment. Emphasizes the key roles that a teacher's caring attitude and ability to engage students in a successful learning environment. **EXPECTATION:** BIOL/CHEM/PHYS 1120 should be completed. **SAME AS:** BIOL/PHYS 2700. **OFFERED:** Sem. II.
- 3100 Analytical Chemistry** 4 hrs. (3, 3)  
Review of equilibrium and its relationship to gravimetric and volumetric analysis. Statistical methods and an introduction to environmental chemistry. Several instrumental techniques are introduced. **PREREQUISITE:** CHEM 2110. **OFFERED:** Sem. I, 2022-23.
- 3140 Instrumental Analysis** 4 hrs. (3, 3)  
A study of modern instrumental methods, including UV-VIS, AAS, GC, GC/MS, HPLC, IR, NMR, Voltammetry, and X-ray, with special emphasis upon chromatography. **EXPECTATION:** CHEM 3100 should be completed. **OFFERED:** Sem. II, 2022-23.
- 3800 Internship in Science Education** 1-4 hrs. (0, 1-4)  
This internship is an opportunity to broaden the diversity of a student's experience in educational settings. Intern-ships are arranged in environments not typically experienced by the student. Tri-S and other international experiences may be appropriate, as well as experiences in large inner-city schools or small, rural schools. **EXPECTATION:** BIOL/ CHEM/PHYS 2700 should be completed or taken concurrently. **SAME AS:** BIOL/PHYS 3800.

**CHEM (cont.)**

- 4090 Inorganic Chemistry** 4 hrs. (3, 3)  
Molecular structure and bonding, symmetry, structures of solids, d-metal complexes, band theory, organometallics, and advanced topics. **EXPECTATION:** CHEM 2110 and 2220 should be completed. **OFFERED:** With sufficient demand.
- 4100 Organic Spectroscopy** 4 hrs. (3, 3)  
A look at the instrumentation used to identify organic compounds. An emphasis is placed on identifying organic compounds from various spectra. Students will gain hands-on experience in FT-NMR (<sup>1</sup>H, <sup>13</sup>C, <sup>2</sup>D), FT-IR, GC-MS, UV-Vis, and the interpretation of their spectra. **PREREQUISITE:** CHEM 2210. **OFFERED:** With sufficient demand.
- 4110 Thermodynamics and Kinetics** 4 hrs. (3, 2)  
Emphasis in this course will be on engineering concepts related to classical thermodynamics. This course provides the tools necessary in designing and analyzing thermal systems and processes. Topics covered include internal energy, enthalpy, entropy, and conservation of energy. **EXPECTATION:** PHYS 2240, CHEM 2110, MATH 3100. Lecture meets with ENGR 2070. **OFFERED:** Sem. I.
- 4120 Quantum Theory** 4 hrs. (4, 0)  
This course provides a background and introduction to quantum theory, as well as applications to various systems such as the hydrogen atom. Additionally, students are exposed to problem solving techniques, such as perturbation theory and the variational method, as well as their applications to a range of physical systems. **PREREQUISITE:** CHEM 2210. **SAME AS:** PHYS 4130. **OFFERED:** Sem. II, 2021-22.
- 4210 Biochemistry I** 4 hrs. (3, 4)  
Introduction to fundamental principles of biochemistry. Lectures and project-oriented laboratories emphasize concepts of macromolecular structure, aspects of enzymology, and intermediary metabolism. **PREREQUISITE:** BIOL 2240, CHEM 2220. **SAME AS:** BIOL 4210. **OFFERED:** Sem. I, 2021-22.
- 4220 Biochemistry II** 4 hrs. (3, 2)  
Further discussion of particular metabolic pathways in animals and plants with an overall emphasis on control of metabolism and regulation of pathways. **PREREQUISITE:** BIOL/CHEM 4210. **SAME AS:** BIOL 4220. **OFFERED:** Sem. II, 2021-22.
- 4510 Senior Physical Science Practicum I** 1 hr. (1, 0)  
Assessment of the student's development as a chemistry/biochemistry major. In addition, students will study and discuss nuances, potential careers, résumé building and job seeking, graduate schools, laboratory safety, and the relationship of science and Christianity. Required of all chemistry/biochemistry majors. **SAME AS:** PHYS 4510. **OFFERED:** Sem. I.
- 4520 Senior Physical Science Practicum II** 1 hr. (1, 0)  
Assessment of the student's development as a chemistry/biochemistry major. Continuation of Senior Physical Science Practicum I. An introduction to the scientific literature and grant writing. Required of all chemistry/biochemistry majors. **EXPECTATION:** CHEM 4510 should be completed. **SAME AS:** PHYS 4520. **OFFERED:** Sem. II.
- 4650 Independent Study** 1-4 hrs. (arranged)  
Individual study or research in advanced areas of interest. **EXPECTATION:** At least second year standing in the department; consent of a chemistry faculty advisor. **REPEAT:** May be repeated. No more than 8 hours may be counted toward the major.
- 4910 Science Seminar I** 1 hr. (1, 0)  
Techniques and practice of written and oral technical communication with respect to experimental or library research projects. Required of all science majors. Both CHEM 4910 and 4920 must be completed to receive advanced writing competency (writing-intensive) credit. **PREREQUISITE:** Science major. **SAME AS:** BIOL/PHYS 4910. **OFFERED:** Sem. I.
- 4920 Science Seminar II** 1 hr. (1, 0)  
Techniques and practice of written and oral technical communication with respect to experimental or library research projects. Required of all science majors. Both CHEM 4910 and 4920 must be completed to receive advanced writing competency (writing-intensive) credit. **EXPECTATION:** 4910 Science Seminar I should be completed. **PREREQUISITE:** Science major. **SAME AS:** BIOL/PHYS 4920. **OFFERED:** Sem. II.

## ENGR Courses

*Note: For all courses numbered ENGR 2000 and above (except ENGR 2080), a laptop is required.  
Prerequisites for all ENGR captioned courses must be satisfied with a C- or better.*

- 2001 Introduction to Engineering (Lecture)** **1 hr. (1, 2)**  
This course provides prospective engineers an understanding of what it means to be an engineer. Students will participate in team based project management, be introduced to engineering ethics, learn about different engineering disciplines and develop practical skills related to technical writing and engineering problem solving. **COREQUISITE:** ENGR 2002, 2003, and MATH 1220 or MATH 2010. **OFFERED:** Sem. I.
- 2002 Introduction to Mechanical Laboratory** **1 hr. (0, 2)**  
This course introduces students to mechanical engineering concepts and equipment. Key areas of interest are measurement, machining, welding, and other forms of manufacturing. Other topics include both 2-D and solid modeling, additive manufacturing, and laser cutting. **COREQUISITE:** MATH 1220 or MATH 2010. **OFFERED:** Sem. I.
- 2003 Introduction to Electrical and Computer Laboratory** **1 hr. (0, 2)**  
Students are exposed to a variety of topics in basic electronics and embedded systems fundamentals. This course provides hands-on experiences for students to understand the operation of power supplies, function generators, oscilloscopes, and many basic electronic components. **COREQUISITE:** MATH 1220 or MATH 2010. **OFFERED:** Sem. I.
- 2010 Statics** **2 hrs. (2, 2)**  
Introduction to analyzing forces in isolated and connected rigid-body systems, as well as vector analysis, forces, moments, resultants, two and three-dimensional equilibrium, trusses, beams, and frames. Emphasis is given to non-accelerating bodies and frames. **PREREQUISITE:** PHYS 2240, ENGR 2310 or CPSC 1500. **OFFERED:** Sem. I, II.
- 2030 Circuit Analysis** **3 hrs. (2, 2)**  
This course deals with the analysis of DC and AC electric circuits. Students will learn basic laws, analysis techniques, and circuit theorems. This course has an integrated laboratory experience that reinforces classroom content with hands-on experiments. The course also makes extensive use of computer tools for circuit analysis. **PREREQUISITE:** ENGR 2003 or ENGR 2200. **COREQUISITE:** MATH 2020, ENGR 2310. **OFFERED:** Sem. II.
- 2060 Engineering Ethics** **2 hrs. (2, 0)**  
This course pushes students to consider ethical implications implicit in the decisions made by engineers as they design products ranging from automobiles, to healthcare devices, to software, to appliances. Much of the course will be dedicated to case studies, and in doing so students will develop a structured methodology for engaging their profession with an ethically sound moral compass. This course meets the Civil Discourse and Critical Reasoning Liberal Arts requirements. **OFFERED:** With sufficient demand.
- 2070 Thermodynamics** **3 hrs. (3, 0)**  
Emphasis in this course will be on engineering concepts related to classical thermodynamics. This course provides the tools necessary in designing and analyzing thermal systems and processes. Topics covered include internal energy, enthalpy, entropy, and conservation of energy. **PREREQUISITE:** PHYS 2240, CHEM 2110. Meets with lecture component of CHEM 4110. **OFFERED:** Sem. I.
- 2080 Service through Engineering and Technology** **3 hrs. (3, 0)**  
Introduction to humanitarian engineering and social entrepreneurship. This course focuses on the challenges and opportunities present throughout society. Frugal innovation and alternative resources are applied to these challenges in under-developed and under-represented societies. Explanation is given to demonstrate the moral obligations engineers have to improve quality of living and the environment. Emphasis is given to service learning with the effects and consequences therein. **OFFERED:** With sufficient demand.
- 2090 Systems Engineering** **3 hrs. (3, 0)**  
This course focuses on various aspects of systems engineering, including risk analysis, engineering economics, project planning, and the product development lifecycle. This course is heavily project based. This course applies to the liberal arts writing-intensive requirement. **PREQUISITE:** ENGL 1120. **OFFERED:** Sem. II.

## ENGR (cont.)

- 2110 Dynamics** 2 hrs. (2, 2)  
Introduction to kinematic and kinetic analysis of particles, systems of particles, and rigid bodies; position, velocity, acceleration, non-rotating and rotating frames of reference, Newton's laws, work, energy, impulse, momentum, conservative and nonconservative systems, as well as inertial and noninertial reference frames. **COREQUISITE:** ENGR 2010. **OFFERED:** Sem. I, II.
- 2200 Foundations of Digital Electronics** 2 hrs. (1, 2)  
Introduction to circuit analysis, electronics, and digital logic. The laboratory exposes students to implementation of circuits and instrumentation. The course concludes with a brief introduction to single board computers. **PREREQUISITE:** MATH 2200. **OFFERED:** Sem. II.
- 2310 Computational Problem Solving** 3 hrs. (2, 2)  
This course introduces the students to a high-level programming language and uses it to perform data analysis, data manipulation, and complex data visualization. Problem solving is taught throughout the course by focusing on computational methods and interaction with the physical world. **COREQUISITE:** PHYS 2240 (requirement waived if PHYS 2140 has already been completed with a C- or better), and MATH 2010. **OFFERED:** Sem. II.
- 3030 Signals and Controls** 3 hrs. (3, 0)  
This course introduces modeling and analysis of dynamic systems as an application of differential equations. This course also introduces classical control techniques, including the analysis and design of linear time-invariant control systems using frequency and time domain techniques. Course makes extensive use of computer-aided simulations, analysis and design techniques. **PREREQUISITE:** ENGR 2030, 2110, 2310, MATH 3100. **OFFERED:** Sem. I.
- 3100 Mechanics Lab** 2 hrs. (0,4)  
This lab incorporates a hands-on experience of topics in mechanics, such as materials' property measurement, solid mechanics, and kinematics, with introductory simulation techniques. Students will perform laboratory experiments to gain practical knowledge of different mechanical systems. In addition, computational techniques with dynamic simulation will be introduced to design and analyze mechanical systems to meet design requirements for a project. **COREQUISITE:** ENGR 3110 and ENGR 3510. **OFFERED:** Sem. II.
- 3110 Kinematics and Robotics** 3 hrs. (3, 0)  
This course focuses on analysis of position, velocity, and acceleration of various mechanisms, such as the slider-crank and four-bar mechanisms. Students will be able to design kinematic mechanisms based on the user's requirements to achieve the ideal paths of the particular points of interest. The kinematics will be applied to manipulator analysis with an introduction to inverse kinematics. **PREREQUISITE:** ENGR 2110, MATH 3100. **OFFERED:** Sem. I.
- 3160 Vibrations** 2 hrs. (2, 0)  
Vibrations is an introduction to the mechanical response of structural dynamics. Students will be able to predict vibrational response of the system of multiple-degree-of-freedom systems with given conditions, and how to regulate this response to make the mechanical system more desirable for the target. Students should be able to determine the second-order differential equations and have knowledge of matrix computation to understand the material. **PREREQUISITE:** ENGR 3030, MATH 3100. **OFFERED:** Sem. I.
- 3180 Materials and Processes** 3 hrs. (3, 0)  
This course is an introduction to the science of engineering materials. The primary focus is on the relationships between processing, structure, properties, and performance of metals, ceramics, polymers, and composites. Students will learn to interpret stress-strain diagrams, phase diagrams, and isothermal transformation diagrams, and to evaluate the fitness of various materials for engineering applications. **PREREQUISITE:** CHEM 2110, PHYS 2240. **OFFERED:** Sem. I.
- 3190 Thermodynamics: Cycle Analysis** 2 hrs. (2, 0)  
This course focuses on cycles as related to classical thermodynamics. Topics covered include the cycles of Carnot, Otto and Diesel, Brayton, Rankine as well as modifications and variations to these. Investigations as to how efficiency is affected by reversible versus irreversible components is examined. **PREREQUISITE:** ENGR 2070. **OFFERED:** Sem. II.

## ENGR (cont.)

- 3220 Electronics** 3 hrs. (2, 2)  
Introduction to semiconductor electronic devices and basic theory and application. Topics include semiconductor materials and diodes, diode circuits, field-effect transistors (FETs), bipolar-junction transistors (BJTs), and discrete transistor amplifiers. **PREREQUISITE:** ENGR 2030, CHEM 2110. **OFFERED:** Sem. I.
- 3230 Analog Circuit Design** 3 hrs. (2, 2)  
Continuation of Electronics to include amplifier design and analysis including discrete and integrated circuit topologies. Other topics in this course include the design and analysis of differential amplifiers, multi-stage amplifiers, power amplifiers, op-amp circuits, feedback circuits, and the frequency response of amplifier circuits. Additional applications of electronics may be covered. **PREREQUISITE:** ENGR 3220, 3030. **OFFERED:** Sem. II, 2022-23.
- 3240 Electromagnetics I** 3 hrs. (3, 0)  
Engineering applications of vector calculus and Maxwell's equations to electrostatic and magnetostatic, boundary-value problems in electrostatic, and time varying fields, transmission lines, and single-stub matching. **SAME AS:** PHYS 4210. **PREREQUISITE:** MATH 3020, 3100, PHYS 2250. **OFFERED:** Sem. I.
- 3250 Electromagnetics II** 3 hrs. (3, 0)  
Engineering applications of phasors and Maxwell's equations to time varying fields and propagation of uniform plane waves. Exercises introduce field-plotting, transmission line concepts using waveguides. Introduction to the network analyzer, polarization, and waves. **PREREQUISITE:** ENGR 3240, ENGR 3030. **OFFERED:** With sufficient demand.
- 3260 Embedded Systems** 3 hrs. (2, 3)  
Introduction to the fundamentals of embedded systems, including microcontrollers, peripheral interfacing, basic communications, interrupts, and real-time operating systems. This course includes practical laboratory experiences using serial and parallel interfaces of microcontrollers to communicate with sensors and actuators. **PREREQUISITE:** CPSC 2420, ENGR 3270. **OFFERED:** Sem. II.
- 3270 Digital Logic** 3 hrs. (2, 3)  
An introduction to the fundamental concepts of digital logic, logic gates, such as AND, OR, and NOT, using transistors. The logic level covers a design technique in which logic gates are used to design digital components. The system level covered for typical Intel or Motorola microprocessors, which are designed by interfacing memory and I/O chips. In order to synthesize digital logic circuits, description languages such as Verilog or VHDL will be utilized. The laboratories allow students to design and implement systems with discrete logic gates and FPGAs. **PREREQUISITE:** ENGR 2003 or ENGR 2200; and MATH 2010 or MATH 2200. **OFFERED:** Sem. I.
- 3280 Microcontrollers** 3 hrs. (2, 2)  
Students learn how to program microcontrollers to perform basic tasks, make use of timers, interrupts, and communicate between embedded devices using serial communication. Students are also introduced to memory allocation and handling, real-time operating systems (RTOS), and device drivers. **PREREQUISITE:** CPSC 2500 or CPSC 2320; and ENGR 2003 or ENGR 2200. **OFFERED:** Sem. I.
- 3510 Solid Mechanics** 3 hr. (3, 0)  
This course covers deformation analysis for determining stresses and strains. Topics include elasticity, plasticity, bending, fracture, buckling, and thermal stresses. Analysis of diverse structures under various loading conditions will be considered. **PREREQUISITE:** ENGR 2010. **OFFERED:** Sem II.
- 3850 Engineering Projects Laboratory** 1 hr. (0, 2)  
This course provides students, from all levels, practical engineering experiences in the laboratory and field setting. Students will develop problem solving and engineering design skills as they work on engineering projects alongside the instructor. **REPEAT:** This course is repeatable for credit. **PREREQUISITE:** ENGR 2001, 2002, 2003; or consent of instructor. **OFFERED:** Sem. I, II.
- 4020 Mechatronics System Design** 4 hrs. (3, 2)  
Mechatronics is the multidisciplinary union of mechanical, electrical, and computer engineering. This course employs knowledge from these disciplines to explore mechanics, electrical sensing, control, and actuation, and computer programming of mechatronic devices. Students will design,

## ENGR (cont.)

- build and program electro-mechanical devices to autonomously perform specific tasks. Students will also gain experience with Programmable Logic Controllers for industrial control applications. **PREREQUISITE:** ENGR 2110, 2030 and CPSC 2320 or CPSC 2500. **OFFERED:** Sem. II, 2021-22.
- 4030 Advanced Control** **3 hrs. (3, 0)**  
This course covers linear state space control including full state feedback and observer based design. This course may also include an introduction to topics including robust control, optimal control, adaptive control, digital control or nonlinear control. **PREREQUISITE:** ENGR 3030. **OFFERED:** With sufficient demand.
- 4050 Data Communications** **3 hrs. (3, 0)**  
Low level communication protocols and design considerations such as congestion control, collision detection and avoidance, multiple access schemes (e.g., CDMA, FDMA, TDMA). Applied information theory such as forward error correction codes, erasure codes, channel capacity, and data compression. Connections are drawn between the OSI networking stack and topics covered in this course. **PREREQUISITE:** MATH 2200, 4010, and ENGR 3030 or CPSC 2500. **OFFERED:** With sufficient demand.
- 4100 Thermal Fluids Lab** **2 hrs. (0,4)**  
This course incorporates a hands-on experience of topics in the thermal-fluid sciences (fluid mechanics, thermodynamics, and heat/mass transfer). Specific topics covered will include flow visualization, flow measurement, internal and external friction flow, conduction, convection, convective mass transfer, and radiation. In addition, this course will cover an introduction to simulation topics in computational fluid dynamics and finite element analysis. **PREREQUISITE:** ENGR 3190 and ENGR 4130. **COREQUISITE:** 4160. **OFFERED:** Sem. I.
- 4110 Machine Design** **3 hrs. (3, 0)**  
This course addresses the machine part design process from the nature of design to prediction of possible failure of machine parts based on force and stress analysis and estimated deflection, and materials properties. Other considerations can be included, such as manufacturing aspect in the part design. **PREREQUISITE:** ENGR 3110, ENGR 3510. **OFFERED:** Sem. II.
- 4120 Computational Mechanics** **3 hrs. (3, 0)**  
This course utilizes the numerical capabilities of the modern computer to simulate physical phenomenon. Topics to be covered include the finite-element method, finite-difference schemes, and optimization techniques. Students will be introduced to round-off errors and error propagation, as well as convergence determination. **PREREQUISITE:** ENGR 2310, 3510, 4130, and CPSC 2320 or 2500. **OFFERED:** With sufficient demand.
- 4130 Fluid Mechanics** **3 hrs. (3, 0)**  
This course covers the principles of fluid flow, conservation of mass, conservation of momentum, and conservation of energy via integral, differential, and dimensional analysis methods. Students will apply these principles to laminar and turbulent flow in internal, external, and open channel flow configurations. A brief introduction to compressible flow is also included. **PREREQUISITE:** ENGR 2110, MATH 3100. **OFFERED:** Sem. II.
- 4160 Heat and Mass Transfer** **4 hrs. (3, 2)**  
This course covers heat transfer processes including conduction, convection, and thermal radiation. Students will apply principles of conservation to thermal energy systems to solve steady-state and transient problems both analytically and computationally. A brief introduction to commercial finite element software is included. **PREREQUISITE:** ENGR 2070, 4130. **OFFERED:** Sem. I.
- 4210 Solid State Devices** **3 hrs. (3, 0)**  
Introduction to semiconductor physics and its application to semiconductor devices such as junction, Schottky diodes, BJT, and MOSFET. In semiconductor physics, topics include crystal structure, energy band gap, effective mass, density of states, Fermi-Dirac statistics, carrier distribution and doping, drift and diffusion, and continuity equation. In semiconductor devices, topics include the basics of MOS capacitor, application of MOS capacitor and MOSFET, and fundamentals of device fabrication. **PREREQUISITE:** ENGR 3220, PHYS 3130. **OFFERED:** With sufficient demand.

## ENGR (cont.)

- 4230 Power Systems** 2 hrs. (2, 0)  
Introduction to the fundamentals of theory and operation of electromechanical devices, including magnetic circuits, transformers as well as DC and AC rotating machines. Principles of electrical power generation, transmission, and distribution, three-phase power circuits, power system analysis, symmetrical components, and fault currents are also discussed. **PREREQUISITE:** ENGR 3220, 3030. **OFFERED:** Sem. II.
- 4240 Communications Theory** 3 hrs. (3, 0)  
Fundamental components in communications systems are covered. Emphasis is placed on the effect of noise in a system and how to mitigate its effect on transmission and receiving. System design and integration is utilized to understand the practical nature of development of such systems. Aspects include the utilization of automatic gain control and phase lock loops. Modulation techniques such as amplitude modulation, frequency modulation, and quadrature modulation are covered. **PREREQUISITE:** ENGR 3030, MATH 4010. **OFFERED:** Sem. II, 2021-22.
- 4250 Digital Signal Processing** 3 hrs. (3, 0)  
This course focuses on the sampling and reconstruction of continuous signals via digital systems. The z-transform is used for FIR and IIR filter design. Relation between the z-transform and fourier transform is utilized for further signal analysis. The DFT and FFT are covered, as well as algorithmic implementations and utilization for filter design. Nyquist-Shannon sampling theorem, decimation, and interpolation are also covered. Signal processing filters and algorithms are implemented on CPUs, DSPs, and/or FPGAs. **PREREQUISITE:** ENGR 3030, MATH 4010. **OFFERED:** Sem. II, 2022-23.
- 4950 Engineering Senior Design I** 2 hrs. (0, 4)  
Applications of design principles to a capstone engineering project. Projects are team based and include developing design specifications, conceptual designs, and final designs. Project requirements include significant oral and written communication components. Examples of projects include inter-collegiate competition, industry-sponsored applied research, and service projects. This course applies to the liberal arts writing-intensive requirement. **EXPECTATION:** Senior standing; engineering major. **PREREQUISITE:** ENGR 2090. **OFFERED:** Sem. I.
- 4960 Engineering Senior Design II** 2 hrs. (0, 4)  
Building on ENGR 4950. Applications of design principles to a capstone engineering project. Projects are team based and include developing design specifications, conceptual designs, and final designs. Project requirements include significant oral and written communication components. Students are required to attempt the Fundamentals of Engineering exam. This course applies to the liberal arts writing and speaking-intensive requirement. **PREREQUISITE:** ENGR 4950. **OFFERED:** Sem. II.

## PHYS COURSES

- 1000 Physical Science** 4 hrs. (3, 2)  
Introduction to selected topics in physical science including: the laws of motion, energy, electricity, atoms and molecules, wave properties (light and sound), and duality (wave-particle and matter-energy). These scientific principles are studied as they relate to real-world applications and current events. **OFFERED:** With sufficient demand.
- 1020 Earth and Space Science** 4 hrs. (3, 2)  
Introduction to the study of geology, weather, and space science, with an emphasis on the phenomena that pertain to the earth's crust and atmosphere and the methods used to form our understanding of these dynamic systems. May be taken alone or as a supplement to PHYS 1000. **OFFERED:** With sufficient demand.
- 1030 Teaching STEM in the Elementary Classroom** 3 hrs. (0, 4)  
Introduction to concepts in Science, Technology, Engineering, and Mathematics (STEM). Equips students to create and execute their own hands-on experiences exploring these concepts. This course is taken almost exclusively by education majors in order to prepare them to address these important topics in their careers. **OFFERED:** Sem. II.

**PHYS (cont.)**

- 1140 Musical Acoustics** 4 hrs. (3, 2)  
Survey of topics basic to the science of music. Designed to give music students a laboratory-science experience in a field relevant to their interests. Open to all students who can read music. **OFFERED:** With sufficient demand.
- 1240 Introduction to Astronomy** 4 hrs. (3, 2)  
Introduction to understanding planets, stars, and galaxies of our universe with emphasis on what they are, how they live and die, and how they are studied. Students will also gain an appreciation for the night sky and the type of observations that can be made. **OFFERED:** Sem. I.
- 2140 General Physics I (Algebra Based)** 4 hrs. (3, 2)  
Introduction to major concepts of physics and their mathematical foundations, with a primary emphasis on Newtonian mechanics. **EXPECTATION:** Students enrolling should demonstrate sufficient knowledge of college algebra. **OFFERED:** Sem. II.
- 2150 General Physics II (Algebra Based)** 4 hrs. (3, 2)  
Continuation of General Physics I, with a primary emphasis on electricity, magnetism, optics, and modern physics. **EXPECTATION:** PHYS 2140 or equivalent should be completed, and students should demonstrate sufficient knowledge of college algebra. **OFFERED:** Sem. I, 2022-23.
- 2240 General Physics I (Calculus Based)** 4 hrs. (3, 4)  
Introduction to major concepts of physics and their mathematical foundations, with a primary emphasis on momentum, energy, and rotational dynamics. Students taking this course typically have completed at least one year of high school physics. **COREQUISITE:** MATH 2010. **OFFERED:** Sem. II.
- 2250 General Physics II (Calculus Based)** 4 hrs. (3, 2)  
Continuation of General Physics I, with a primary emphasis on electricity, magnetism, and optics. **PREREQUISITE:** PHYS 2240 and MATH 2020, both with a C- or better. **OFFERED:** Sem. I.
- 2700 Science Teaching Methods** 3 hrs. (2, 1)  
This course involves the learning and application of the methods of teaching science. In addition to some lecture and classroom discussion, students complete a practicum experience with a master teacher in a public or private school setting. Topics covered and jointly pursued by AU faculty and the master teacher include learning theories, classroom management, inquiry-based teaching, history of science, special/gifted education, and an introduction to rubrics/grading/assessment. Emphasizes the key roles that a teacher's caring attitude and ability to engage students in a successful learning environment. **EXPECTATION:** BIOL/CHEM/PHYS 1120 should be completed. **SAME AS:** BIOL/CHEM 2700. **OFFERED:** Sem. II.
- 3100 Modern Physics Laboratory** 2 hrs. (0, 6)  
Advanced experiments in modern physics, mechanics, electricity, magnetism, heat, and optics with emphasis on scientific methods and laboratory technique. This course applies to the liberal arts writing-intensive requirement. **PREREQUISITE:** PHYS 2250. **OFFERED:** With sufficient demand.
- 3130 Modern Physics** 2 hrs. (2, 0)  
This course will provide a review of special relativity, as well as various properties of electromagnetic radiation, including concepts of superconductivity. Additionally, the quantum view of matter will be developed, focusing on atomic spectra, nuclear structure, elementary particles, and statistical distributions. Finally, an introduction to general relativity, cosmology, and string theory will be developed. **PREREQUISITE:** PHYS 2250 with a C- or better. **OFFERED:** Sem. I.
- 3800 Internship in Science Education** 1-4 hrs. (0, 1-4)  
This internship is an opportunity to broaden the diversity of a student's experience in educational settings. Internships are arranged in environments not typically experienced by the student. Tri-S and other international experiences may be appropriate as well as experiences in large inner-city schools or small, rural schools. **EXPECTATION:** BIOL/CHEM/PHYS 2700 should be completed or taken concurrently. **SAME AS:** BIOL/CHEM 3800.
- 4130 Quantum Theory** 4 hrs. (4, 0)  
This course provides a background and introduction to quantum theory, as well as applications to various systems, such as the hydrogen atom. Additionally, students are exposed to problem-solving techniques, such as perturbation theory and the variational method, as well as their applications to a range of physical systems. **PREREQUISITE:** PHYS 3130, MATH 3020. **SAME AS:** CHEM 4120. **OFFERED:** Sem. II, 2021-22.

**PHYS (cont.)**

- 4210 Electricity and Magnetism** **3 hrs. (3, 0)**  
Engineering applications of vector calculus and Maxwell's equations to electrostatic and magnetostatic, boundary-value problems in electrostatic, and time varying fields, transmission lines, propagation of uniform plane waves, and single-stub matching. **EXPECTATION:** PHYS 2250 and MATH 3020, 3100 are normally completed. **SAME AS:** ENGR 3240. **OFFERED:** Sem. I.
- 4220 Computational Physics** **3 hrs. (3, 0)**  
This course offers a background in classical physics and statistical physics, including topics in Lagrangian dynamics, the Hamiltonian formulation of motion, central forces, partition functions, and other statistical distributions. In addition to gaining a theoretical foundation in these areas, students will be exposed to various computational methods used to evaluate problems. **PREREQUISITE:** PHYS 3130, MATH 3020. **OFFERED:** Sem. I, 2022-23.
- 4340 Advanced Quantum and Electromagnetic Theory** **3 hrs. (3, 0)**  
This course begins as a continuation of PHYS 4120 and PHYS 4210, exploring various aspects of the quantum and electromagnetic theories. Ultimately, the course culminates in the theory of quantum electrodynamics and its applications, particularly those pertaining to particle and nuclear physics. **PREREQUISITE:** PHYS 4130 and PHYS 4210. **OFFERED:** With sufficient demand.
- 4350 Cosmological Theory** **3 hrs. (3, 0)**  
A study of topics in cosmology including general relativity, the expansion of the universe, nucleosynthesis in the early universe, inflation, cosmic microwave background radiation, dark matter, dark energy, and the formation of structure. **PREREQUISITE:** PHYS 4220. **OFFERED:** With sufficient demand.
- 4410 Statistical Mechanics** **3 hrs. (3, 0)**  
This course builds on the topics covered in ENGR 2070, and provides a foundation for statistical mechanics, particularly as it applies to thermodynamical systems and the treatment of ideal gases. Other topics range from treatment of the Boltzmann equation to an introduction to phase transitions and critical phenomena. **PREREQUISITE:** ENGR 2070 or CHEM 4110, and MATH 3010. **RECOMMENDED:** MATH 3100 and MATH 4010. **OFFERED:** Sem. II, 2022-23.
- 4510 Senior Physical Science Practicum I** **1 hr. (1, 0)**  
Assessment of the student's development as a physics major. In addition, students will study and discuss finances, potential careers, résumé building and job seeking, graduate schools, laboratory safety, and the relationship of science and Christianity. Required of all physics and physical science majors. **SAME AS:** CHEM 4510. **OFFERED:** Sem. I.
- 4520 Senior Physical Science Practicum II** **1 hr. (1, 0)**  
Assessment of the student's development as a physics major. Continuation of Senior Physical Science Practicum I. An introduction to scientific literature and grant writing. Required of all physics and physical science majors. **EXPECTATION:** Completion of PHYS 4510. **SAME AS:** CHEM 4520. **OFFERED:** Sem. II.
- 4650 Independent Study** **1-4 hrs. (arranged)**  
Individual research in advanced areas of interest. **REPEAT:** May be repeated. Total credit not to exceed 8 hours. **OFFERED:** With sufficient demand.
- 4910 Science Seminar I** **1 hr. (1, 0)**  
Techniques and practice of written and oral technical communication with respect to experimental or library research projects. Required of all science majors. Both PHYS 4910 and 4920 must be completed to receive advanced writing competency (writing-intensive) credit. **PREREQUISITE:** Science major. **SAME AS:** BIOL/CHEM 4910. **OFFERED:** Sem. I.
- 4920 Science Seminar II** **1 hr. (1, 0)**  
Techniques and practice of written and oral technical communication with respect to experimental or library research projects. Required of all science majors. Both PHYS 4910 and 4920 must be completed to receive advanced writing competency (writing-intensive) credit. **EXPECTATION:** PHYS 4910 should be completed. **PREREQUISITE:** Science major. **SAME AS:** BIOL/CHEM 4920. **OFFERED:** Sem. II.
- 4930 Seminar** **2-4 hrs. (arranged)**  
Topics selected from optics, quantum mechanics, thermodynamics, mechanics, astrophysics, nuclear physics, or other advanced topics. **REPEAT:** May be repeated. Total credit not to exceed 12 hours. **OFFERED:** With sufficient demand.

# PSYCHOLOGY

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*Dr. Priest, chair; Dr. Blunt, Dr. Griffith, Dr. Stull; Dr. Farmen (emeritus)*

Psychology is the scientific study of the brain, mind, and behavior. It is approached from physiological, cognitive, and social perspectives. Psychologists apply the scientific method (including statistics and experimental design) to the study of brain function, perception, memory, development, social influence, attitudes, organizational behavior, abnormal behavior, and the treatment of disorders. This requires the development of skills in critical thinking, quantitative reasoning, speaking, writing, and ethical decision making.

Each course seeks to integrate psychological theories and data with biblically based principles. Psychology majors have pursued successful careers in research, counseling, teaching, medicine, business, and law. The department's web page can be found at [anderson.edu/psychology](http://anderson.edu/psychology).

## MAJORS

### PSYCHOLOGY MAJOR (30 hrs.)

Requirements:

- 3 hours of PSYC 2000
- 3 hours of PSYC 2010
- 1 hour of PSYC 4900

15 additional hours from 3000- and 4000-level PSYC courses, including:

- At least 12 hours from PSYC 3010, 3030, 3040, 3060, 3100, 3120, 3200, 3210, 3240, 3310, 3330, 3400, 3450, 4030, 4100, 4110, 4140, 4150, 4510/4520, 4650
- At least 3 hours from any 3000- and 4000-level PSYC courses
- PSYC 4900 does NOT count toward these 15 hours.

Remaining hours from any additional PSYC courses.

## COMPLEMENTARY MAJORS

### PSYCHOLOGY COMPLEMENTARY MAJOR (26 hrs.)

The complementary major does not stand alone to fulfill graduation requirements, but it is a useful complement to students who are seeking a better understanding of themselves and others. The structure of the complementary major is flexible but has these requirements:

- Required courses: PSYC 2000, 2010, 4900
- At least 12 hours from PSYC 3010, 3030, 3040, 3060, 3100, 3120, 3200, 3210, 3240, 3310, 3330, 3400, 3450, 4030, 4100, 4110, 4140, 4150, 4510/4520, 4650
- Remaining hours from additional PSYC courses

### YOUTH LEADERSHIP DEVELOPMENT COMPLEMENTARY MAJOR (28 hrs.)

Youth Leadership Development does not stand alone to fulfill graduation requirements, but it is a valuable complement to such majors as youth ministries, social work, criminal justice, family science, psychology, and other majors involving interaction with youth. This major is also an excellent complement for students who enjoy working with youth but whose careers will be in fields that may not involve interaction with youth.

- PSYC 2000, 2100, 2510, 4210
- SOCI 3210, 3100, and one from: SOCI 3050, 3120, 3140, or 3150
- EDUC/PSYC/SOCI 2850, 4800

## MINOR

### PSYCHOLOGY MINOR (16 hrs.)

- Required course: PSYC 2000
- At least 6 hours from 3000- and 4000-level PSYC courses

## DEPARTMENTAL HONORS

Departmental honors are awarded only to those students who meet the requirements below and are recommended by the department faculty. The number of students receiving departmental honors is limited by Anderson University policies and Psychology Department recommendations. Psychology students seeking honors must submit an application in order to be considered.

Minimum requirements for applying include the following: (1) completion of 36 hours of psychology courses, including at least one upper-division course from each full-time faculty member; (2) cumulative GPA of at least 3.0; and (3) GPA of at least 3.5 in the psychology major. From this pool of applicants, the department faculty will award honors as student performance merits.

## PSYC Courses

- 2000 General Psychology** **3 hrs. (3, 0)**  
An introduction to the scientific study of mental processes and behavior. Topics include history, biological basis of behavior, sensation, perception, development, learning, memory, motivation, emotion, social, abnormal, and counseling. Required of all psychology majors and minors. **OFFERED:** Sem. I, II.
- 2010 Research Methods in Psychology** **3 hrs. (3, 0)**  
An introduction to psychological research methods and discipline-specific writing, with an emphasis on in-class exercises. Required of all psychology majors. This course applies to the liberal arts writing-intensive requirement. **PREREQUISITE:** Psychology major or minor. **OFFERED:** Sem. I, II.
- 2050 Psychological Propaedeutics** **4 hrs. (4, 0)**  
An introduction to the philosophical foundations of psychology. Topics include will, mind, sense, cognition, dreams, mental faculties, imagination, memory, and the unconscious. **OFFERED:** With sufficient demand.
- 2100 Interpersonal Relationships** **4 hrs. (4, 0)**  
An introduction to the social skills that increase interpersonal effectiveness in courtship, marriage, work, and play. Methods used may involve role playing, personal feedback, video recording, and group discussion. **GRADE:** CR/NC. **OFFERED:** Sem. I, II.
- 2110 Educational Psychology** **3 hrs. (2, 0)**  
An introduction to the application of psychological principles to the challenges of teaching and learning. This course examines the theoretical and applied aspects of learning, motivation, human development, personality, and measurement and evaluation. **SAME AS:** EDUC 2110. **OFFERED:** Sem. I, II.
- 2440 Applied Statistics and Introduction to Research** **4 hrs. (4, 0)**  
An examination of basic statistical techniques with emphasis on interpreting research literature, practical applications in psychology, business and political science, and use and interpretation of appropriate computer software. **PREREQUISITE:** Mathematics proficiency. **OFFERED:** Sem. II.
- 2510 Developmental Psychology** **4 hrs. (4, 0)**  
An introduction to the study of psychological growth and development of the individual from a lifespan approach. Child and adolescent development will be emphasized. A holistic approach to physical, cognitive, affective, and personality development; parenting; and stages of grief and dying are used. Theorists considered may include Piaget, Erikson, Kohlberg, Mahler, and Kubler-Ross. **PREREQUISITE:** PSYC 2000. **OFFERED:** Sem. I, II.

**PSYC (cont.)**

- 2850 Practicum in Leadership Skills** **2 hrs. (1, 2)**  
An introduction to training assertiveness, communication, helping, and negotiation skills. Students receive direct feedback on their performance and gain experience in co-leadership and team building. Required for youth leadership development majors. **CONSENT:** Instructor. **PREREQUISITE:** PSYC 2100. **GRADE:** CR/NC. **SAME AS:** EDUC/SOCI 2850. **OFFERED:** Sem. I, II.
- 3010 Social Psychology** **4 hrs. (4, 0)**  
An examination of the behavior of individuals in society, including the study of attitudes, beliefs, prejudice, aggression, leadership, and altruism. This course applies to the liberal arts writing-intensive requirement. **PREREQUISITE:** PSYC 2000. **SAME AS:** SOCI/PUBH 3030. **OFFERED:** Sem. II.
- 3030 Psychiatric Rehabilitation** **3 hrs. (3, 0)**  
This course involves exploring mental health services used to help individuals with severe mental illnesses achieve the best outcomes possible. This course will focus on evidence-based practices, but a variety of other factors shaping how services are provided will be discussed, including cultural factors, stigma, and the role of advocacy groups. A repeated theme will be to ask how to implement humane, practical, feasible, culturally competent, cost-effective, and replicable services. **PREREQUISITE:** PSYC 2000. **OFFERED:** Sem. II, odd years.
- 3040 Group and Institutional Dynamics** **3 hrs. (3, 0)**  
A practical approach to the theory and training of small and large groups and their leadership. The focus is on leading groups in schools, churches, hospitals, agencies, and industry. Group types covered include discussion, task, and personal-development groups. **PREREQUISITE:** PSYC 2000. **GRADE:** CR/NC. **OFFERED:** Sem. I.
- 3060 The Emotions** **4 hrs. (4, 0)**  
Our emotions influence almost every part of our lives, including our perceptions, decision-making, and relationships with others. This course briefly examines motivation and how emotion differs from it and the various theories of emotion. It also examines the complex components of emotion, from antecedent event, through appraisal and arousal, to attribution and action. Numerous specific emotions are examined in light of this. **PREREQUISITE:** PSYC 2000. **OFFERED:** Sem. I.
- 3100 Human Brain Dysfunction** **4 hrs. (4, 0)**  
Within a framework of neuropsychology, an introduction to brain dysfunction, including language disruption, memory disruption, and the effects of stroke, tumor, and traumatic brain injury. **PREREQUISITE:** PSYC 2000. **OFFERED:** Sem. II, even years.
- 3120 Abnormal Psychology** **4 hrs. (4, 0)**  
An exploration of differing perspectives on abnormal behavior and how these impact the resulting classification and treatments. **PREREQUISITE:** PSYC 2000. **OFFERED:** Sem. I.
- 3200 Living the Christian Faith in a Post-Christian World** **3 hrs. (3, 0)**  
An examination of the interface of biblical principles as developed through the inductive study of contemporary approaches to understanding the world. Emphasizes the impact of such principles on faith and action. Meets Liberal Arts Christian Ways of Knowing. This course applies to the liberal arts speaking-intensive requirement. **OFFERED:** Sem. I.
- 3210 Behavioral Neuroscience** **4 hrs. (3, 2)**  
An introduction to the biological foundations of animal and human behavior, including human neuropsychology, the study of brain disease, and how the environment (including toxins) contributes to changes in the brain. The laboratory component stresses the human brain and the student's ability to recognize its various components. **EXPECTATION:** PSYC 2010 strongly recommended. **PREREQUISITE:** PSYC 2000. **OFFERED:** Sem. I.
- 3220 Organizational Behavior and Theory** **3 hrs. (3, 0)**  
Stresses behavior in relation to organizational theories, knowledge, and the application of theories related to individual, group, and organizational performance. Emphasis on understanding the managerial process from a behavioral perspective. **PREREQUISITE:** PSYC 2000. **SAME AS:** BSNS 4010. **OFFERED:** Sem. II.

**PSYC (cont.)**

- 3240 Experimental Design** **4 hrs. (4, 0)**  
An introduction to complex analysis of variance and covariance. Focuses on intermediate statistical methods of data analysis. The class is for students planning to do graduate work in psychology. **PREREQUISITE:** PSYC 2440 or MATH 2120. **OFFERED:** Sem. II.
- 3310 Psychological Tests** **3 hrs. (3, 0)**  
An introduction to the principles and practices of individual and group testing in aptitude, intelligence, interest, and personality. Theory, construction, evaluation, interpretation, uses, and limits of psychological tests are emphasized. Specific topics include reliability, validity, norms, test construction, and selection. **EXPECTATION:** PSYC 2440 strongly recommended. **PREREQUISITE:** PSYC 2000. **OFFERED:** Sem. I, 2022-23.
- 3330 Cognitive Psychology** **4 hrs. (4, 0)**  
An examination of the theoretical and empirical consideration of cognitive processes. Topics include attention, memory, problem-solving, and language. Corresponding topics from neuroscience will also be included. **PREREQUISITE:** PSYC 2000. **OFFERED:** Sem. II.
- 3400 Memory** **4 hrs. (4, 0)**  
An introduction to the theory and application of human learning and memory. Students will learn evidence-based best practices for learning and apply this knowledge to class, work or athletics. Memory failures such as forgetting, blocking, and the intrusion of unwanted memories will be examined and solutions discussed. Christian perspectives of memory will be considered. **PREREQUISITE:** PSYC 2000. **OFFERED:** Sem. II, odd years.
- 3450 Health Psychology** **4 hrs. (4, 0)**  
This course involves the application of psychological principles and research into the enhancement of health and to the prevention and treatment of illness. This course will examine how biological, psychological, and social factors interact with and impact an individual's ability to make decisions that promote good health and help prevent illness. Topics may include the role of stress in illness, specific illnesses (e.g. cancer, heart disease), and strategies for modifying lifestyle factors (e.g. smoking, weight control). **PREREQUISITE:** PSYC 2000. **OFFERED:** Sem. I.
- 3500 Thought Life and Spiritual Growth** **2 hrs. (2, 0)**  
Utilizes cognitive theory and spiritual principles to inform one's interpersonal and professional growth. This course will present a convergence model of cognitive precepts and Judeo-Christian spiritual principles that can be utilized in such transformation. A theoretical context will be provided and experiential techniques will be modeled for application. **PREREQUISITE:** Upper-division standing. **SAME AS:** SOCI 3500. **OFFERED:** Sem. I.
- 4030 Counseling and Psychotherapy** **4 hrs. (4, 0)**  
An examination of several approaches to treating abnormal behavior with an emphasis on developing practical competence. **PREREQUISITE:** PSYC 2000, 3120. **OFFERED:** Sem. II.
- 4100 Leadership and Training Skills** **2 hrs. (2, 0)**  
This course equips students to lead small interpersonal skill-training groups using the skills of working with a co-leader, team building, promoting a positive learning environment, agenda monitoring, and remaining task focused. Students will learn to train others in the skills of communication, assertion, helping, and negotiation. **CONSENT:** Department. **PREREQUISITE:** PSYC 2850. **REPEAT:** May be repeated once for credit. **GRADE:** CR/NC. **OFFERED:** Sem. I, II.
- 4110 History and Systems** **3 hrs. (3, 0)**  
The study of the evolution of thought in psychology from its inception as an experimental science to the development of its significant systems, issues, experiments, and theories of today. It provides a good preparation for the Graduate Record Examination in psychology. **PREREQUISITE:** PSYC 2000. **OFFERED:** With sufficient demand.
- 4140 Personality Theory** **4 hrs. (4, 0)**  
A critical evaluation of major theories of personality based on selected philosophical and theological perspectives. Theorists considered include Freud, Sartre, Jung, and Lacan. **PREREQUISITE:** PSYC 2000. **OFFERED:** With sufficient demand.

**PSYC (cont.)**

- 4150 Philosophical Issues for the Psychologist** **3 hrs. (3, 0)**  
An examination of the differing methodological approaches of psychology and theology. The interface of science and a Christian perspective is explored. **PREREQUISITE:** PSYC 2000. **OFFERED:** With sufficient demand.
- 4210 Capstone: Psychological Issues for Youth** **4 hrs. (4, 0)**  
A unifying experience for all youth leadership development majors to integrate their understanding of the problems of youth, potential methods of prevention and guidance, and special topics unique to this age group. Students will prepare presentations for use during their internship. This course applies to the liberal arts speaking-intensive requirement. **PREREQUISITE:** PSYC 2000, 2510, 2850; SOCI 2120, 3100, 3150. **OFFERED:** Sem. I.
- 4510 Capstone Research I** **3 hrs. (3, 0)**  
This yearlong course (semesters I and II) provides an opportunity for students to design, propose, and implement individual research projects. Students are expected to present their research findings to an appropriate audience. **EXPECTATION:** Students should be prepared to cover part of the costs for their projects and any registration fees for conferences. **CONSENT:** Instructor. **REPEAT:** May be repeated once for credit. **OFFERED:** Sem. I.
- 4520 Capstone Research II** **2 hrs. (1, 2)**  
A continuation of Capstone Research I. This yearlong course (semesters I and II) provides an opportunity for students to design, propose, and implement individual research projects. Students are expected to present their research findings to an appropriate audience. **EXPECTATION:** Students should be prepared to cover part of the costs for their projects and any registration fees for conferences. **CONSENT:** Instructor. **PREREQUISITE:** PSYC 4510. **REPEAT:** May be repeated once for credit. **OFFERED:** Sem. II.
- 4650 Independent Study/Research Project** **1-4 hrs. (1-4, 0)**  
A scheduled or specially arranged class for research or other individual study. Capstone research projects require two semesters (semesters I and II). This course applies to the liberal arts speaking-intensive requirement. **EXPECTATION:** Students should be prepared to cover part of the costs for their projects and any registration fees for conferences. **CONSENT:** Instructor. **REPEAT:** May be repeated, but no more than 8 hours may be applied toward the major. **OFFERED:** With sufficient demand.
- 4800 Internship in Youth Leadership** **2 hrs. (1, 2)**  
An opportunity for youth leadership development majors to practice the training and presentation skills and content learned in prior courses in an applied setting relevant to the student's career or personal goals. Required for youth leadership development majors. **PREREQUISITE:** PSYC 4210. **GRADE:** CR/NC. **CONSENT:** Department approval. **SAME AS:** EDUC/SOCI 4800. **OFFERED:** Sem. II.
- 4900 Professional Issues for the Psychologist** **1 hr. (1, 0)**  
This course provides an assessment of the student's development as a psychology major. In this course (to be taken during the first semester of the senior year), students will discuss professional issues such as ethics in the practice of psychology and a Christian response to these ethical principles. In addition, students will discuss strategies for applying to graduate schools and job seeking. Formal assessment of the major will be completed in this course. Required of all psychology majors. **PREREQUISITE:** Senior status. **OFFERED:** Sem. I.

# PUBLIC HEALTH

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*Dr. Neal, coordinator; Prof. Pay, Dr. Priest, Dr. Quashie, Dr. M. Scott*

The Anderson University Public Health program addresses the health of populations and communities through instruction, service-learning, and community based research, and is grounded in a background of humanities, social sciences, and the liberal arts. The public health program is designed to provide students with the opportunity to explore and acquire specialized knowledge and skills needed to address current and emerging public health issues within the public and private healthcare sectors. Students can expect to find employment in for-profit institutions, not-for-profit institutions, health care organizations, and government agencies.

This interdisciplinary program will offer two pathways. The first will be a Bachelor of Arts in Public Health (BAPH) with a concentration in the Sociological and Behavioral Context of Health. This track will appeal to those students who are seeking to focus on the socio-behavioral, socio-economic, and health systems contexts that impact public health. Graduates can expect to be employed in areas such as behavioral health, psychology, missions, health promotion and education, health policy and administration, and social marketing.

The second pathway will be in the natural sciences, offering a Bachelor of Science in Public Health degree (BSPH). This track is for students wanting to engage in public health practice through research, epidemiology, or environmental services. Graduates from this track will be prepared for jobs such as data analysts, biostatisticians, environmental/sanitation specialists, epidemiologists, missions, health promotion and education, medicine, and research. Students interested in the BSPH track will receive a board-based natural science curriculum.

For entry and continuance in the public health program, all students must maintain a cumulative GPA of 2.0 or better. To advance, a minimum grade of C or better must be earned in each public health course, as well as the courses upon which they build in each concentration (BA: SOCI 2020, SOWK 2000; BS: BIOL 2410, 2420, 2230).

## PUBLIC HEALTH MAJOR (48-51 hrs.)

### Integrated Core courses (31 hrs.):

- PSYC 2000 - General Psychology (3)
- PUBH/BIOL 2040 - Personal & Community Health (3)
- BIOL 2070 - Humans and the Environment (4)
- MATH 2120 - Introductory Statistics with Applications (4)
- PUBH3020 - Introduction to Epidemiology (3)
- PUBH/SOCI 3010/PSYC 3010 - Social Psychology (4) (WI)
- PUBH/SOCI 3700 - Introduction to Social Research (4)
- PUBH/SOCI/SOWK 4350 - Program Planning and Grant Writing (3)
- PUBH 4360 - Health Policy (3)

### Select One:

#### **Bachelor of Arts:** Social and Behavioral Sciences (9 hrs.):

- SOCI 2020 - Social Problems (3)
- SOWK 2000 - Introduction to Social Welfare and Social Work (3)
- PUBH 3260 - Sociology of Health and Illness (3)

OR

#### **Bachelor of Science:** Natural Sciences (12 hrs.):

- BIOL 2410 - Anatomy and Physiology I (4)
- BIOL 2420 - Anatomy and Physiology II (4)
- BIOL 2230 - Microbes & Disease (4)

Selected Electives (2-4 hrs.):

- BIOL 2010 - Medical Terminology (2)
- PUBH/BIOL 3510 - Bioethics (2)
- CHEM 1000 - Introduction to Chemistry (4)
- ECON 2010 - Principles of Macroeconomics (3)
- ECON 2020 - Principles of Microeconomics (3)
- ECON 3110 - Public Finance (3) (Prerequisites: ECON 2010, 2020)
- NURS 1210 - Nutrition for Healthy Living (2)
- POSC 2200 - Public Policy (3) (Prerequisite: POSC 2400; Corequisite: MATH 2120)
- PSYC 2100 - Interpersonal Relationships (4)
- PSYC 3450 - Health Psychology (4)
- SOCI 2100 - Family in Global & Diverse Contexts (3)
- SOCI 3100 - Human Sexuality (3)
- SOCI 3400 - Race and Ethnicity in America (3)
- SPAN 3101 - Spanish for Health Care (4)

Integrated Senior Capstone course (3-4 hrs.):

- PUBH/NURS 4950 - Intercultural Capstone (4)
- PUBH/SOCI 4810 - Community Health Internship (3)

**PUBLIC HEALTH MINOR (16-17 hrs.)**

- PSYC 2000 (3)
- PUBH 3010 (4), 3020 (3), 3260 (3)
- At least 3 hours from 3000- and 4000-level courses:
  - ECON 3110 (3)
  - PSYC 3450 (4)
  - SOCI 3100 (3)
  - SOCI 3400 (3)
  - SPAN 3101 (4)
  - PUBH/BIOL 3510 (2)
  - PUBH/SOCI 3700 (4)
  - PUBH/SOCI/SOWK 4350 (3)
  - PUBH 4360 (3)
  - PUBH/SOCI 4810 (3)

**PUBH Courses**

**2040 Personal & Community Health**

**3 hrs. (3, 0)**

The relationship between one's physical, psychological, and spiritual health, plus one's culture and environment are central to understanding the entire field of personal and community health. This class will utilize the Ecological Model to examine personal health within the context of the social and physical environment. Health problems of different populations will be studied in relation to historical/structural dimensions, normal development, disease processes, and access to health systems. Core public health competencies will be addressed in this course, with emphasis on the underlying scientific and social bases for public health practice. **SAME AS:** BIOL 2040. **OFFERED:** Sem. I.

**3010 Social Psychology**

**4 hrs. (4, 0)**

An examination of the behavior of individuals in society, including the study of attitudes, beliefs, prejudice, aggression, leadership, and altruism. This course applies to the liberal arts writing-intensive requirement. **PREREQUISITE:** PSYC 2000. **SAME AS:** PSYC/SOCI 3010. **OFFERED:** Sem. II.

**PUBH (cont.)**

- 3020 Introduction to Epidemiology** **3 hrs. (3, 0)**  
The focus of this course is on how diseases are spread within populations of people and within communities. Also reviewed are the factors associated with the prevention, detection, distribution, and elimination of diseases. This course will provide a foundation for understanding the basic principles and methods of epidemiology, with an emphasis on critical thinking, analytical skills, and application to clinical practice. **OFFERED:** Sem. I.
- 3260 Sociology of Health and Illness** **3 hrs. (3, 0)**  
This course introduces students to sociological perspectives vis-a-vis health, illness and the practice of medicine. The course will examine health, illness, and health care institutions as social phenomena, the social causes and consequences of health, illness, and health care. Emphasis will be on an understanding of the social forces that produce disease and health inequalities, the processes that shape what gets recognized as disease, and the preferred means of treating it. **SAME AS:** SOCI 3260. **OFFERED:** Sem. II.
- 3510 Bioethics** **2 hrs. (2, 0)**  
Seminar course examines ethical questions that arise in the relationships among life sciences, biotechnology, medicine, politics, law, philosophy, and theology. Topics and case studies are selected and discussed in terms of the ethical issues they present. These issues include beginning of life, death and dying, human and animal testing, and environmental stewardship. This course applies to the Civil Discourse and Critical Reasoning component of the Liberal Arts. **PREREQUISITE:** Junior standing. **SAME AS:** BIOL 3510. **OFFERED:** Sem. I.
- 3700 Introduction to Social Research** **4 hrs.(4, 0)**  
Introduction to methods and application of social research, including issues of conceptualization of variables, research design, scientific sampling, quantitative and qualitative forms of analysis, evaluation research, and utilization of social research in policy, program, and practice settings. This course applies to the liberal arts writing-intensive requirement. **PREREQUISITE:** SOCI 2010 or 2020 or 2100; upper-division standing. **SAME AS:** SOCI 3700. **OFFERED:** Sem. I, II.
- 4350 Program Planning and Grant Writing** **3 hrs. (3, 0)**  
The rationale for this course is based on the need in the nonprofit sector and social service agencies for highly competent professionals. Professionals who possess the requisite skills needed to: (1) assess community needs, especially those impacting children and families; (2) think strategically and creatively about relevant program interventions; (3) acquire competitive funding from government agencies and private and public foundations. The course integrates several knowledge and skill areas including: research methods, program planning, proposal writing, budget planning, project implementation, and program evaluation to assess the effectiveness of interventions. **PREREQUISITE:** Upper-division standing. **SAME AS:** SOCI/SOWK 4350. **OFFERED:** Sem. I.
- 4360 Health Policy** **3 hrs. (3, 0)**  
Health policies can have a profound effect on quality of life. As such, health policies are linked to accessibility, cost, quality of health care, safety of food, water and environment, and the right to make decisions about health. This course will provide a framework for understanding and analyzing a variety of health policy issues. It will provide an introduction to U.S. policy-making in the legal system and will consider essential issues in health policy and law, including health insurance, individual rights in health care, and health care access and quality. The purpose of this course is to introduce students to the policy environment that influences and shapes public health and the provision of health care service, to enhance understanding of the historical and political context of health policy, and to develop strategies for analysis of health policy issues, as well as effective communication in the policy environment. **OFFERED:** Sem. II.
- 4810 Community Health Internship** **3 hrs. (3, 0)**  
A supervised field experience providing an opportunity for each student to apply his or her knowledge in a practice setting. The internship will focus on strengthening competence in general community health and specialty skills through practical experiences. A wide range of settings and opportunities may be suitable for an internship, given the program goals and students' interests and career goals. Placement selection may focus on special topics, such as women and children's health, infectious disease (HIV/AIDS, Malaria), refugee issues, world food issues, urban food systems, health and

## **PUBH (cont.)**

nutrition promotion in schools and communities, community food systems, hunger and food security in local and global perspective, food, nutrition, human rights, sustainable communities, and global health policies and initiatives. Internship locations might include NGO, International Agencies (United Nations High Commission for Refugees), World Relief, World Vision, Compassion International, SIFAT, World Hunger Relief Inc., Food Research and Action Center, and local non-profit or governmental agencies. **CONSENT:** Instructor. **SAME AS:** SOCI 4810. **OFFERED:** With sufficient demand.

### **4950 Intercultural Capstone**

**4 hrs. (2, 6-90 clinical hrs.)**

Emphasizes the value of human diversity in order to provide safe, high-quality care. Discussion of the health care provider's practice in a multicultural environment providing culturally appropriate care across settings is included in study. Students are expected to immerse themselves in a culture other than their own through an intercultural experience. **EXPECTATION:** Students should plan for additional costs for transportation and other expenses, which may vary from \$500 to \$3,500. **CONSENT:** Instructor. **PREREQUISITE:** PUBH 4350. **COREQUISITE:** PUBH 4360. **SAME AS:** NURS 4950. **OFFERED:** Sem. II

# SECURITY STUDIES

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*Dr. Frank, director; Prof. Lowmiller, Dr. Sutton*

The Security Studies Program consists of two majors: national security and cybersecurity. Each major includes foundational courses, national security policy courses, Christian ethics, and relevant electives.

The program is designed to prepare graduates for careers in security-related positions in either the public or private sectors, by providing a more precisely focused, interdisciplinary curriculum than ordinarily obtained in traditional political science or computer science majors.

The cybersecurity major is aligned to meet the standards required for accreditation by the Department of Homeland Security and National Security Agency as a National Center of Academic Excellence in Cyber Defense Education (CAE-CDE).

Students in both majors are expected to complete successfully the foundational courses before attempting upper-division coursework. They are strongly encouraged to discuss second majors, minors, and internship opportunities with a program advisor.

## NATIONAL SECURITY MAJOR (44 hrs.)

*\*Grade of C- or higher in all courses that count toward the major*

### Foundation (16 hrs.):

- POSC 2030, 2100, 2200, 2400
- MATH 2120

### National Security Policy (9 hrs. from the following):

- POSC 3300, 3310, 3370
- POSC/CRIM 3350

### Ethics (3 hrs.):

- PHIL/RLGN 3250

### Electives (15 hrs. from the following):

- CRIM/SOCI 2510
- CRIM 2520, 3050
- HIST 3220, 3240, 3250, 3300, 3360, 3370, 3510, 3520
- POSC 3212, 3250, 3300, 3310, 3330, 3370
- POSC/CRIM 3350
- PSYC/SOCI 3010

### Senior Capstone (1 hr.):

- POSC 4930

## CYBERSECURITY MAJOR (56 hrs.)

### Foundation (27 hrs.):

- CPSC 2080, 2180, 2300
- MATH 2120, MATH 2200/CPSC 2250
- POSC 2030, 2200, 2400, 2420

Professional Core (11 hrs.):

- CPSC 3380, 3410, 4080, 4480

National Security Policy (6 hrs.):

- POSC/CRIM 3350, POSC 3370

Electives (8-9 hrs. from):

- CPSC 2000 and above, CRIM 2520, POSC 3310, or POSC 3250

Ethics (3 hrs.):

- PHIL/RLGN 3250

# SOCIAL WORK, CRIMINAL JUSTICE, & FAMILY SCIENCE

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*Dr. D. M. Scott, chair; Dr. Bargerstock, Prof. Pay, Dr. Quashie*

Three majors are offered in the department: criminal justice, family science, and social work. Additionally, four minors are offered: criminal justice, family science, social work, and sociology. Students seeking more than one major in the Department of Social Work, Criminal Justice, and Family Science may present no more than 15 hours common to those majors. Students seeking a minor and a major in the department must choose a different area of study for the minor and present a minimum of 12 hours not applied to the major.

Honors study is offered for students with strong academic records in any of the three departmental majors. For information, contact the department chair.

Students in any of the departmental majors may attend the Chicago Center for a semester or summer term. The center's seminar on communities and cultures may be taken for credit in lieu of SOCI 2020 or 2450. Internship and practicum hours may also be earned. Students should consult with the campus liaison for more information.

## CRIMINAL JUSTICE

The criminal justice major enables students to enter employment in fields related to law enforcement, courts, corrections, victim advocacy and assistance, and also provides a foundation for graduate study. Students gain preparation for careers throughout criminal justice in the private occupational sector as well as with public agencies at the local, state, or federal level.

### CRIMINAL JUSTICE MAJOR (BA 120 hrs., CRIM 34 hrs.)

- CRIM 2510, 2520, 3110
- 4 hours from CRIM 4810 and 3 hours from CRIM 4900
- SOCI 2020 or SOCI 2010
- SOCI 3700
- 9 hours from additional CRIM courses
- Students who wish to take additional coursework providing more breadth and depth in the field should consult with their advisor concerning the appropriate courses.

### CRIMINAL JUSTICE MINOR (17 hrs.)

- CRIM 2510, 2520, 3110, 4900
- 3 hours from additional CRIM courses

### ASSOCIATE OF ARTS DEGREE (60 hrs. CRIM and Liberal Arts)

This two-year Associate of Arts provides foundational courses in criminal justice and approximately one-half of the hours required for the four-year Bachelor of Arts degree program. The curriculum assumes proficiency in writing at the ENGL 1100 or 1110 level and in mathematics at the MATH 1000 level.

- BIBL 2000; SOCI 2010 or SOCI 2020; SOCI 2450
- CRIM 2510, 2520, 3110
- 9 hours from additional CRIM courses
- 12-14 hours from the liberal arts program (see Liberal Arts Core Curriculum), no more than one course from any one component and no more than 4 hours from courses offered by the department
- Remaining hours from additional courses in any caption; no more than 31 hours from CRIM courses
- Students must also meet other graduation requirements as listed in this catalog.

## **CRIMINAL JUSTICE ONLINE**

The criminal justice online degree programs are designed for Adult students pursuing careers in criminal justice, as well as for individuals already employed in the criminal justice field.

### **CRIMINAL JUSTICE MAJOR ONLINE (BA 120 hrs., CRIM 34 hrs.)**

- CRIM 2510, 2520, 3110, 4900
- 4 hours from CRIM 4810 (credits may be earned from professional experience)
- SOCI 2010 or SOCI 2020
- SOCI 3700
- 9 hours from additional CRIM courses
- Students who wish to take additional coursework providing added breadth and depth in the field should consult with their advisor concerning the appropriate courses.

### **CRIMINAL JUSTICE MINOR ONLINE (17 hrs.)**

- CRIM 2510, 2520, 3110, 4900
- 3 hours from additional CRIM courses

### **ASSOCIATE OF ARTS DEGREE ONLINE (60 hrs. CRIM and Liberal Arts)**

This two-year Associate of Arts degree provides foundational courses in criminal justice and approximately one-half of the hours required for the four-year Bachelor of Arts degree program. The curriculum assumes proficiency in writing at the ENGL 1100 or 1110 level and in mathematics at the MATH 1000 level.

- BIBL 2000; SOCI 2010 or SOCI 2020, SOCI 2450
- CRIM 2510, 2520, 3110
- 9 hours from additional CRIM courses
- 12-14 hours from the liberal arts program (see Liberal Arts Core Curriculum), no more than one course from any one component and no more than 4 hours from courses offered by the department
- Remaining hours from additional courses in any caption; no more than 31 hours from CRIM courses
- Students must also meet other graduation requirements as listed in this catalog.

## **FAMILY SCIENCE**

The Family Science program is designed to prepare students for professional careers in a variety of human service areas, including family services and youth programs; family life or parent education programs; business and government agencies; and leadership roles in church, school, and community. Graduates are also prepared for personal roles in marriage and family living.

The program offers students a strong foundation for graduate work leading to careers in ministry, marriage and family therapy, counseling, and teaching of family science at the college level.

Key content areas include human development, sexuality, interpersonal relationships, internal dynamics of families, parent-child relationships, and family processes such as communication, moral development, decision-making, family resource management, and problem-solving. Anderson University's Family Science program is certified by the National Council on Family Relations. Graduates of the program are eligible to apply for Provisional Certified Family Life Educator (CFLE) certification.

### **FAMILY SCIENCE MAJOR (48 hrs.)**

- SOCI 2100, 3100, 3140, 3210, 3700, 3850, 4350, 4820, 4910, 4950
- BSNS 3150
- PSYC 2000, 2100, 2510
- SOWK 3200

### **FAMILY SCIENCE MINOR (15 hrs.)**

- SOCI 2100, 3100, 3140, 3210 (required)
- One course from the recommended list:  
BSNS 3150, PSYC 2000, 2510, SOCI 2200, 2450, SOWK 3200

The sociology minor provides a solid liberal arts preparation for entry-level positions throughout the fields of social service, education, government, and business, as well as for graduate study, and complements many majors. Sociology students who enter human services fields often work with youth at risk, the elderly, or people experiencing problems related to poverty, substance abuse, the justice system, or other social problems. Those who enter careers in business may work in human resources, customer relations, sales, or marketing.

### **SOCIOLOGY MINOR (17 hrs.)**

- SOCI 2010, 3700, 3820
- one course from SOCI 3150, 3220, 3400
- one course from SOCI 3200, 3470, 4020, 4200

## **SOCIAL WORK**

The social work major is accredited by the Council on Social Work Education (CSWE) and prepares students to become generalist social work practitioners in entry-level human service positions or to enter graduate study in social work. Graduates are eligible to apply for credentialing as beginning-level social work practitioners in most states.

### ***Mission***

The mission of the Anderson University Social Work Program is to prepare competent, compassionate, and effective entry-level social workers who;

- Demonstrate knowledge, skills, and values needed for professional generalist practice.
- Are committed to do good, seek justice, rebuke and rectify the hearts of oppressors, defend orphans and widows, and help those in need (based on Isaiah 1:17).
- Will be servant leaders in their world and empower disenfranchised and diverse populations.

### ***Admission to the Social Work Program***

The Anderson University Social Work Program is a carefully constructed baccalaureate degree curriculum accredited by the Council on Social Work Education (CSWE).

Students may apply for admission to the program when they have:

- completed SOCI 2010, 2020; SOWK 2000, 2100
- earned a minimum 2.0 cumulative grade point average
- earned a minimum 2.5 grade point average in the major with a grade of C- or better in all courses applicable to the major
- earned a grade of C- or better in ENGL 1120 or its equivalent

The process for applying to the Social Work Program is to:

- submit a completed application form (available in the departmental office)
- submit two letters of recommendation
- complete an interview with the Social Work Program faculty

The social work faculty makes the final decision on admission of a student to the Social Work Program. For more information, see the Anderson University Social Work Program Student Handbook, available at [anderson.edu/social-work](http://anderson.edu/social-work).

### SOCIAL WORK MAJOR (64 hrs.)

The social work major at Anderson University may be declared in the University Registrar's office at any time after matriculation. However, continuation in the major is determined by admission to the Social Work Program.

#### Prerequisite courses required for admission to the Social Work Program:

- SOCI 2010, 2020; SOWK 2000, 2100

#### Foundation courses required for the Social Work Program:

- BIOL 2040; POSC 2100; PSYC 2000, 2440; SOCI 3100, 3400

#### Core courses required for the Social Work Program:

- SOWK 2200, 3100, 4710, 4720, 4730, 4850; SOCI 3700

Admission to the Social Work Program is a prerequisite for SOWK 4710, 4720, 4730, and 4850. To advance in the program after admission, students must earn a grade of C- or better in all courses applied to the major.

Internship experiences in social agencies are built into SOWK 2100 (36 hours), SOWK 2200 (20 hours), and SOWK 4710 (20 hours). The practicum (SOWK 4850) consists of a full-time block field placement over the entire semester (442 hours).

### SOCIAL WORK MINOR (17 hrs.)

- SOCI 2020, SOWK 2000, SOWK 2200\*, SOWK 3100
- BIOL 2040

The social work minor is a valuable addition to many majors including, but not limited to, criminal justice, family science, psychology, nursing, education, Christian ministries, dance, and business administration. The minor is intended to accomplish the following:

- prepare students from a range of disciplines to work collaboratively with social workers;
- provide introductory knowledge and skills for work with at-risk populations;
- equip students in advocating for the needs of individuals, families, organizations, and communities within the larger society; and
- prepare students for entry into social work graduate programs after having completed a bachelor's degree in another field.

A 20-hour internship is included to familiarize one with the role of social work in social service settings. The social work minor is not accredited and does not require admission to the social work program.

*\*SOWK 2200 typically requires SOWK 2100 be taken as a prerequisite or corequisite.  
This requirement, however, is waived for the social work minor.*

## CRIM Courses

- 2510 The Nature of Crime and Social Deviance** **4 hrs. (4, 0)**  
Examines the nature and extent of crime, juvenile delinquency, and social deviance in the United States. Special attention is given to theoretical perspectives, scientific research and scholarship in criminology, and related factors offering explanations for these behaviors. This course applies to the liberal arts writing-intensive requirement. **PREREQUISITE:** ENGL 1120. **PREREQUISITE OR COREQUISITE:** SOCI 2010 or SOCI 2020. **SAME AS:** SOCI 2510. **OFFERED:** Sem. II.
- 2520 Introduction to Criminal Justice** **3 hrs. (3, 0)**  
An introductory examination of crime, the nature of criminal law, and the operation of criminal justice agencies in the United States. Emphasis on issues related to the legal processing of criminal cases. **OFFERED:** Sem. I, II
- 2560 Introduction to Criminal Forensic Science** **3 hrs. (3, 0)**  
Introductory course to criminalistics that explores the history and scope of forensic science. The scope of this course includes discovery at a crime scene, the most important location of evidence; physical evidence; analytical techniques for organic and inorganic materials; forensic toxicology; firearms, ammunition, unique tool marks, and various impressions (e.g., shoe prints, fabric properties, and bloodstains). **OFFERED:** Sem. II.
- 3010 Victimology and Victim Studies** **3 hrs. (3, 0)**  
Examines the role of the victim in criminal incidents and criminal justice case processing. Analysis of concerns related to victim precipitation, victim blaming, and victim facilitation, as well as the consequences and after-effects of crime victimization. In addition to traditional violent and property crimes, this course also looks at the areas of interpersonal abuse, including domestic and family violence. Discussion of victims' assistance, advocacy, compensation, and rights are also included. **OFFERED:** Sem. II.
- 3020 Principles of Law Enforcement** **3 hrs. (3, 0)**  
Examines the multi-faceted role of the police officer in society. Topics include the historical development of policing and police work, police organization and patrol practices, police discretion, innovations in community policing, police corruption, career issues, and reform efforts. **PREREQUISITE:** CRIM 2520. **OFFERED:** Sem. I.
- 3030 Juvenile Justice** **3 hrs. (3, 0)**  
Focuses on issues related to juvenile delinquency and justice processing involving youth. Looks at the changing definitions of adolescence in society, delinquent behavior and youth crime, major theoretical perspectives in the area, the creation and development of the juvenile court, historical changes in the juvenile justice system, corrections, aftercare, and treatment of juvenile offenders. **PREREQUISITE:** CRIM 2510, 2520. **OFFERED:** Sem. I, 2021-22.
- 3040 The Correctional System** **3 hrs. (3, 0)**  
Examines corrections in all of its diversity — at the federal, state, and local levels, and via public as well as private agencies. Attention concerns community-based corrections, probation and parole, jails, prisons, and trend patterns in organization and day-to-day functioning of correctional agencies in the United States. **PREREQUISITE:** CRIM 2520. **OFFERED:** Sem. I, 2022-23.
- 3050 Drugs and American Society** **3 hrs. (3, 0)**  
Examines the sociological and criminal justice aspects of drugs, drug use, sales and trafficking, and related socio-legal policies. Social control issues as well as concerns with education, prevention, and treatment are discussed. Historical perspective, primarily within the context of the United States, as well as contemporary issues will be included. **PREREQUISITE:** CRIM 2520, SOCI 2010, or SOCI 2020 or upper-division standing. **SAME AS:** SOCI 3050. **OFFERED:** Sem. II, 2023-24.
- 3110 Criminal Law and Process** **4 hrs. (4, 0)**  
Examines the historical development of substantive and procedural criminal law in the United States as well as how the law is implemented in practice through the actions of criminal justice agencies. Issues of criminal law involving constitutional questions and related landmark Supreme Court decisions are discussed and analyzed. **PREREQUISITE:** CRIM 2510, 2520. **OFFERED:** Sem. I.

## CRIM (cont.)

- 3350 Homeland Security** **3 hrs. (3, 0)**  
An overview of the changes in American foreign and domestic policy in the aftermath of the terrorist attacks of Sept. 11, 2001. Topics covered include the reorganization of government bureaucracies, ongoing debates over balancing security with civil liberties, interagency cooperation to prevent terrorism, risk-based assessment, border security, and disaster management. **PREREQUISITE:** Upper-division standing. **SAME AS:** POSC 3350.
- 3650 Independent Study** **1-4 hrs. (1-4, 0)**  
Intensive research, study, or personal involvement in a criminal justice area not specifically covered by other courses. **CONSENT:** Department chair. **REPEAT:** May be repeated. Total credit not to exceed 8 hours. **OFFERED:** With sufficient demand.
- 4120 Planned Change** **4 hrs. (4, 0)**  
Examination and analysis of strategies for planned change and reform in the criminal justice area. Case studies of particular issues related to policing, the courts, and/or corrections. **CONSENT:** Instructor. **PREREQUISITE:** CRIM 2520. **OFFERED:** With sufficient demand.
- 4650 Independent Study** **1-4 hrs. (1-4, 0)**  
Intensive research, study, or personal involvement in a criminal justice area not specifically covered by other courses. **CONSENT:** Department chair. **REPEAT:** May be repeated. Total credit not to exceed 8 hours. **OFFERED:** With sufficient demand.
- 4810 Criminal Justice Internship I** **1-4 hrs. (arranged)**  
Placement in a criminal justice agency under professional supervision. Planned for criminal justice majors and minors in their junior or senior years. Forty hours of field experience is required for each hour of credit. **CONSENT:** Instructor. **PREREQUISITE:** CRIM 2510, 2520. **REPEAT:** May be repeated. **OFFERED:** Sem. I, II; Summer.
- 4820 Criminal Justice Internship II** **1-4 hrs. (arranged)**  
Continuation of CRIM 4810. Forty hours of field experience is required for each hour of credit. This internship is normally completed at an agency different from the agency for CRIM 4810. **CONSENT:** Instructor. **PREREQUISITE:** CRIM 4810. **REPEAT:** May be repeated. **OFFERED:** Sem. I, II; Summer.
- 4900 Criminal Justice Seminar** **3 hrs. (3, 0)**  
Senior capstone course involving intensive reading and discussion of materials focused on issues related to current topics on crime, criminological theory, and applied policy, as well as career pursuits in criminal justice and related professional issues. This course applies to the liberal arts speaking-intensive requirement. **CONSENT:** Instructor. **PREREQUISITE:** CRIM 2510, 2520; upper-division standing. **OFFERED:** Sem. I.
- 4920 Honors Study** **4 hrs. (arranged)**  
Intensive research, study, or personal involvement in a criminal justice area not specifically covered by other courses. **EXPECTATION:** Open only to seniors with a 3.5 or higher GPA in CRIM courses counted toward the major. **CONSENT:** Department chair. **PREREQUISITE:** Senior standing. **REPEAT:** May be repeated. Total credit not to exceed 4 hours. **OFFERED:** With sufficient demand.

## SOCI Courses

- 2010 Introduction to Sociology** **3 hrs. (3, 0)**  
Presents the basic principles, concepts, and theoretical paradigms of sociology for analyzing social behavior, human relationships, and social institutions. Introduces students to a sociological perspective and form of analysis for understanding social life. Emphasizes "sociological imagination," developing a perspective that strives to understand the intersection between individual biography and social structural history. Surveys the main areas of study and concentration within the field of sociology. **OFFERED:** Sem. I, II; Summer.

**SOCI (cont.)**

- 2020 Social Problems** **3 hrs. (3, 0)**  
Sociological analysis of contemporary social problems. Designed to help students increase awareness and sensitivity toward major social issues, recognize the impact of social problems on various groups of people within our society, and understand how societal structures can serve to perpetuate or intervene to effectively resolve social problems. Credit for SOCI 2020 may be earned by completing the Communities and Cultures Seminar at the Chicago Center. **OFFERED:** Sem. I, II; Summer.
- 2100 Family in Global and Diverse Context** **3 hrs. (3, 0)**  
General survey of the family science discipline with emphasis on the scientific study of the role of the family as society's most basic institution, including ways in which the family interacts with the ecosystem, how family roles and relationships are changing in response to cultural and technological changes, and the internal processes of the family which influence the growth and well-being of individuals and the resulting impact of such influence upon society as a whole. **OFFERED:** Sem. I, II.
- 2200 Self and Society** **3 hrs. (3, 0)**  
Examines the interrelationship of self and society in the everyday world of social interaction. Particular emphasis on theoretical perspectives of the self and related conceptions of self-concept and self-esteem, social roles, and identity. The importance of society in the development and expression of self is examined through a focus on socialization processes, language, deviance, and gender. **OFFERED:** Summer.
- 2250 Cultural Anthropology** **4 hrs. (4, 0)**  
Introduction to nature, organization, and functioning of human culture with attention to dynamics of cultural change. Major concern is to develop understanding and appreciation of cultures other than one's own. **OFFERED:** With sufficient demand.
- 2450 Introduction to Issues in Race and Ethnicity** **3 hrs. (3, 0)**  
Introduces students, through a relational perspective, to the origins and the ongoing sociological construction of the concepts of race and ethnicity in America. Analyzes different types of race and ethnic relations in America, as well as racism, prejudice, and discrimination as tools of exclusion. Evaluates minority and majority group responses and identifies cultural contributions of ethnic groups. Incorporates a perspective of "sociological imagination," where one considers the intersections between individual biography and socio-structural history. **OFFERED:** Sem. II.
- 2510 The Nature of Crime and Social Deviance** **4 hrs. (4, 0)**  
Examines the nature and extent of crime, juvenile delinquency, and social deviance in the United States. Special attention is given to theoretical perspectives, scientific research and scholarship in criminology, and related factors that offer explanations for these behaviors. This course applies to the liberal arts writing-intensive requirement. **PREREQUISITE:** ENGL 1120. **PREREQUISITE OR COREQUISITE:** SOCI 2010 or SOCI 2020. **SAME AS:** CRIM 2510. **OFFERED:** Sem. II.
- 2850 Practicum in Leadership Skills** **2 hrs. (1, 2)**  
An introduction to training assertiveness, communication, helping, and negotiation skills. Students receive direct feedback on their performance and gain experience in co-leadership and team building. Required for youth leadership-development majors. **CONSENT:** Instructor. **PREREQUISITE:** PSYC 2100. **GRADE:** CR/NC. **SAME AS:** EDUC/PSYC 2850. **OFFERED:** Sem. I, II.
- 3010 Social Psychology** **4 hrs. (4, 0)**  
An examination of the behavior of individuals in society, including the study of attitudes, beliefs, prejudice, aggression, leadership, and altruism. This course applies to the liberal arts writing-intensive requirement. **PREREQUISITE:** PSYC 2000. **SAME AS:** PSYC/PUBH 3010. **OFFERED:** Sem. II.
- 3050 Drugs and American Society** **3 hrs. (3, 0)**  
Examines the sociological and criminal justice aspects of drugs, drug use, sales and trafficking, and related socio-legal policies. Social control issues as well as concerns with education, prevention, and treatment are also discussed. Historical perspective, primarily within the context of the United States, as well as contemporary issues will be included. **PREREQUISITE:** CRIM 2520, SOCI 2010, or SOCI 2020 or upper-division standing. **SAME AS:** CRIM 3050. **OFFERED:** Sem. II, 2023-24.

## **SOCI (cont.)**

- 3100 Human Sexuality** **3 hrs. (3, 0)**  
Nature and meaning of human sexuality as part of one's total personality structure. Consideration of theological/ spiritual, physiological, social, and cultural aspects of human sexual nature and behavior. Of particular value to people entering human service professions, including pastoral counseling, social work, criminal justice, nursing, individual therapy, marriage and family therapy, and related fields. **PREREQUISITE:** Sophomore or upper-division standing. **OFFERED:** Sem. I, II.
- 3140 Parenting** **3 hrs. (3, 0)**  
Examines parenting during each developmental stage of the family life cycle. Consideration of trends occurring in parent-child relationships, cultural variations in parenting, goals of parenting, discipline, communication and conflict resolution in parent-child relationships, physical and sexual abuse of children, parenting in different types of families, and current theories and programs designed to enable fathers and mothers to become more effective in their roles as parents. **PREREQUISITE:** SOCI 2100. **OFFERED:** Sem. I.
- 3150 Family Diversity** **3 hrs. (3, 0)**  
Focus on diversity in family structures in contemporary U.S. society. Variations of family patterns by race, ethnicity, religion, social class, gender, and disability will be examined. Exploration of the social dynamics of family formation, composition, functioning, and patterning. **PREREQUISITE:** SOCI 2010 or 2100. **OFFERED:** Sem. I.
- 3170 Sociology of Religion** **3 hrs. (3, 0)**  
Sociological factors influencing expression of religion. **SAME AS:** RLGN 3170. **OFFERED:** With sufficient demand.
- 3200 Gender and Society** **3 hrs. (3, 0)**  
This course will explore gender on both micro and macro sociological levels. Discussion will include basic terms and approaches in sociology, dominant theoretical paradigms, and how gender is constructed by and affects various institutions in society. The class will incorporate a variety of readings, media, and discussions, and will primarily be taught as a seminar. **PREREQUISITE:** SOCI 2010, or SOCI 2020, or upper-division standing. **OFFERED:** Sem. II.
- 3210 Dynamics of Intimate Relationships** **3 hrs. (3, 0)**  
Examine the complex nature of the dating and mate selection process, and provide insight into the interaction between social, cultural, cognitive, affective, and behavioral influences on intimate relationship formation, experiences, and outcomes. This course is a blend of theoretical framework and perspective grounding and practical skills building to enhance the quality of personal and intimate relationships. **PREREQUISITE:** SOCI 2100. **OFFERED:** Sem. I, II.
- 3220 Social Gerontology** **3 hrs. (3, 0)**  
Course includes theoretical frameworks, historical development of social policy, and social services related to aging. The course will provide students the opportunity to explore the bio-psycho-social dimensions particular to the elderly; assess the socioeconomic, physical, and psychological needs of the elderly; and develop intervention skills for obtaining, providing, and improving social services on behalf of elderly individuals and their families. **SAME AS:** SOWK 3220. **OFFERED:** With sufficient demand.
- 3260 Sociology of Health and Illness** **3 hrs. (3, 0)**  
This course introduces students to sociological perspectives vis-a-vis health, illness and the practice of medicine. The course will examine health, illness, and healthcare institutions as social phenomena, the social causes and consequences of health, illness, and health care. Emphasis will be on an understanding of the social forces that produce disease and health inequalities, the processes that shape what gets recognized as disease, and the preferred means of treating it. **SAME AS:** PUBH 3260. **OFFERED:** Sem. I.
- 3400 Race and Ethnicity in America** **3 hrs. (3, 0)**  
This course explores critical issues related to the construction and meanings of the concepts of race and ethnicity as well as the nature of stereotyping, prejudice, racism, discrimination, and historical exclusion, while also addressing processes of identity formation. Additionally, this course examines a variety of race and ethnic relations patterns, from colonialism, expulsion, and segregation to integration, assimilation,

## **SOCI (cont.)**

and pluralism, taken historically by different racial and ethnic groups in America. It also examines the phenomenon of transnationalism and the emergence of trans-national communities in the United States and globally. **PREREQUISITE:** Upper-division standing. **OFFERED:** Sem. I.

- 3470 Environmental Sociology** **3 hrs. (3, 0)**  
Examines the interplay among the biophysical environment, social organization, and human social behavior with a focus on the social and environmental consequences of the organization of daily life. Students will study how various societal institutions and structures influence the definition of and response to the physical environment. **PREREQUISITE:** Upper-division standing. **OFFERED:** With sufficient demand.
- 3500 Thought Life and Spiritual Growth** **2 hrs. (2, 0)**  
Utilizes cognitive theory and spiritual principles to inform one's interpersonal and professional growth. This course will present a convergence model of cognitive precepts and Judeo-Christian spiritual principles that can be utilized in such transformation. A theoretical context will be provided and experiential techniques will be modeled for application. Of particular value for those entering ministry and helping professions. **PREREQUISITE:** Upper-division standing. **SAME AS:** PSYC 3500. **OFFERED:** Sem. I.
- 3650 Independent Study** **1-4 hrs. (1-4, 0)**  
Intensive study of a sociological area not specifically covered by other courses. **CONSENT:** Department chair. **REPEAT:** May be repeated. Total credit not to exceed 4 hours. **OFFERED:** With sufficient demand.
- 3700 Introduction to Social Research** **4 hrs. (4, 0)**  
Introduction to methods and application of social research, including issues of conceptualization of variables, research design, scientific sampling, quantitative and qualitative forms of analysis, evaluation research, and utilization of social research in policy, program, and practice settings. This course applies to the liberal arts writing-intensive requirement. **PREREQUISITE:** SOCI 2010 or 2020 or 2100; upper-division standing. **SAME AS:** PUBH 3010. **OFFERED:** Sem. I, II.
- 3820 Sociological Theory and Practice** **4 hrs. (4, 0)**  
Overview of both classical and contemporary sociological theory development. Compares approaches among dominant paradigms to selected areas of inquiry. Considers implications of sociology for social order and change. Explores both micro- and macro-levels of analysis. **PREREQUISITE:** SOCI 2010, upper-division standing. **OFFERED:** Sem. II.
- 3850 Family Science Career Exploration** **3 hrs. (3, 0)**  
Participation under supervision in a social agency. The course allows students to experience an orientation to a variety of approved human service and government agencies. 120 hours of field experience required. **CONSENT:** Instructor. **PREREQUISITE:** sophomore or upper-division family science major. **OFFERED:** With sufficient demand.
- 4020 Social Organizations and Institutions** **3 hrs. (3, 0)**  
Examines the structure of social behavior at the micro and macro levels, as well as organizational processes. Also examines complex organizations and social institutions, such as the family, government, work, religion, and education. **PREREQUISITE:** SOCI 2010, 3820. **OFFERED:** With sufficient demand.
- 4200 Social Stratification** **3 hrs. (3, 0)**  
Examines the origin, operation, and maintenance of various systems of stratification on both structural and interactional levels. Also considers the characteristics and impact of social class division and related inequality in American society. Theories of social stratification discussed. This course applies to the liberal arts speaking-intensive requirement. **PREREQUISITE:** SOCI 2010, 3700. **OFFERED:** With sufficient demand.
- 4350 Program Planning and Grant Writing** **3 hrs. (3, 0)**  
The rationale for this course is based on the need in the nonprofit sector and social service agencies for highly competent professionals. Professionals who possess the requisite skills needed to: (1) assess community needs, especially those impacting children and families; (2) think strategically and creatively about relevant program interventions; (3) acquire competitive funding from government agencies and private and public foundations. The course integrates several knowledge and skill areas including: research methods, program planning, proposal writing, budget planning, project implementation, and program evaluation to assess the effectiveness of interventions. **PREREQUISITE:** Upper-division standing. **SAME AS:** SOWK/PUBH 4350. **OFFERED:** Sem. I.

**SOCI (cont.)**

- 4650 Independent Study** **1-4 hrs. (1-4, 0)**  
Intensive study of a sociological area not specifically covered by other courses. **CONSENT:** Department chair. **REPEAT:** May be repeated. Total credit not to exceed 8 hours. **OFFERED:** With sufficient demand.
- 4800 Internship in Youth Leadership** **2 hrs. (1, 2)**  
An opportunity for youth leadership development majors to practice the training and presentation skills and content learned in prior courses in an applied setting relevant to the student's career or personal goals. Required for youth leadership development majors. **PREREQUISITE:** PSYC 4210. **GRADE:** CR/NC. **SAME AS:** EDUC/PSYC 4800. **OFFERED:** Sem. II.
- 4810 Community Health Internship** **3 hrs. (3, 0)**  
A supervised field experience providing an opportunity for each student to apply his or her knowledge in a practice setting. The internship will focus on strengthening competence in general community health and specialty skills through practical experiences. A wide range of settings and opportunities may be suitable for an internship, given the program goals and students' interests and career goals. Placement selection may focus on special topics, such as women and children's health, infectious disease (HIV/AIDS, Malaria), refugee issues, world food issues, urban food systems, health and nutrition promotion in schools and communities, community food systems, hunger and food security in local and global perspective, food, nutrition, human rights, sustainable communities, and global health policies and initiatives. Internship locations might include NGO, International Agencies (United Nations High Commission for Refugees), World Relief, World Vision, Compassion International, SIFAT, World Hunger Relief Inc., Food Research and Action Center, and local non-profit or governmental agencies. **CONSENT:** Instructor. **SAME AS:** PUBH 4810. **OFFERED:** With sufficient demand.
- 4820 Family Science Internship** **3 hrs. (3, 0)**  
This course is part of a capstone experience for family science majors. The course allows students to work under supervision in an approved agency where classroom knowledge is applied to practical learning skills in a family life education setting. **PREREQUISITE:** SOCI 3140, 3250, 3700; SOWK 3200. **OFFERED:** Summer only.
- 4900 Sociology Seminar** **1-4 hrs. (1-4, 0)**  
Intensive reading and discussion of materials in areas of interest not covered in other sociology courses. **CONSENT:** Instructor. **REPEAT:** May be repeated; total credit not to exceed 8 hours. **OFFERED:** With sufficient demand.
- 4910 Family Science Integrative Seminar** **3 hrs. (3, 0)**  
Senior capstone course focusing on the discovery and application of knowledge about family including its history, theories/frameworks, methodologies, emerging applications, and trends in a changing world. **PREREQUISITE:** SOWK 3200; SOCI 3700, 4820. **OFFERED:** Sem. II.
- 4920 Honors Study** **4 hrs. (4, 0)**  
Intensive study of a sociological area not specifically covered by other courses. **EXPECTATION:** Open only to seniors with a 3.5 or higher GPA in SOCI courses counted toward the major. **CONSENT:** Department chair. **PREREQUISITE:** Senior standing. **REPEAT:** May be repeated. Total credit not to exceed 4 hours. **OFFERED:** With sufficient demand.
- 4950 Family Life Education Methodology, Professional Ethics and Practice** **3 hrs. (3, 0)**  
Provides an understanding of the history, general philosophy, development, implementation, and evaluation of research and theory-driven community-based education and intervention programs for families. The course provides future family life educators with skills required to design, implement, and evaluate programs focused on addressing critical issues of development and human relationships across the lifespan. Students will also develop the ability to critically examine ethical questions and issues as they relate to professional practice. **PREREQUISITE:** SOCI 2100, 3100, 3210, 3140; senior standing. **OFFERED:** Sem. II.

## SOWK Courses

- 2000 Introduction to Social Welfare and Social Work** 3 hrs. (3, 0)  
Studies the foundations of generalist social work practice. Examines the knowledge, values, and skills base of the social work profession. Provides introductory content in the areas of human behavior and social environment, social welfare policy, social research, and social work practice. **PRE /COREQUISITE:** SOCI 2010 or 2020. **OFFERED:** Sem. I, II.
- 2100 Introduction to Field Experience** 2 hrs. (1.25, 0)  
Participant observer field experience (36 hours) in a social agency providing knowledge and perspective about the network of social agencies and institutions, administrative structures, policies, programs, and delivery of services. Students develop human relations skills working with clients. Group discussion each week (1.5 hrs.). **PRE/COREQUISITE:** SOCI 2010 or 2020; SOWK 2000. **OFFERED:** Sem. I, II.
- 2200 Human Behavior and Social Environment** 4 hrs. (4, 0)  
Exploration of the person in the environment through examining biological, psychological, social, and spiritual development over the lifespan; resources and obstacles in meeting crises at various points in life cycle; systems approach to integration of individual, group, and societal needs; understanding and acceptance of human diversity; integration of theories of human behavior from various disciplines; and introductory research methodology. Internship required (20 hours for the semester). For Social Work Majors and Minors only. **PREREQUISITE:** SOWK 2000, 2100 (SOWK 2100 is waived as a prerequisite for social work minors); upper-division standing. **PREREQUISITE/COREQUISITE:** BIOL 2040. **OFFERED:** Sem. I.
- 3100 Social Welfare Policy** 4 hrs. (4, 0)  
Processes by which policies are developed in social welfare delivery systems; establishing priorities; professional roles in analysis and evaluation in public and private agencies; and political and economic implications of major social welfare legislation. **PREREQUISITE:** SOWK 2200, upper-division standing. **OFFERED:** Sem. II.
- 3200 Family Law and Public Policy** 3 hrs. (3, 0)  
A comprehensive survey of laws and public policies pertaining to marriage and the family: laws relating to marriage, divorce, family support, child custody, child protection rights, and family planning and public policy as it affects the family in areas such as taxes, civil rights, social security, and economic support. **OFFERED:** Sem. II.
- 3210 Child Welfare** 3 hrs. (3, 0)  
Historical and current issues related to the practice of child welfare. Examination of contemporary services to children and parents. **OFFERED:** With sufficient demand.
- 3220 Social Gerontology** 3 hrs. (3, 0)  
Course includes theoretical frameworks, historical development of social policy, and social services related to aging. The course will provide students the opportunity to explore the bio-psycho-social dimensions particular to the elderly; assess the socioeconomic, physical, and psychological needs of the elderly; and to develop intervention skills for obtaining, providing, and improving social services on behalf of elderly individuals and their families. **SAME AS:** SOCI 3220. **OFFERED:** With sufficient demand.
- 3230 Mental Health** 3 hrs. (3, 0)  
Examination of emotional problems resulting in social dysfunctioning of the individual and family; includes survey of mental health services. **OFFERED:** With sufficient demand.
- 3240 Developmental Disabilities** 3 hrs. (3, 0)  
Examination of physical and developmental disabilities. Exploration of barriers and discrimination. Survey of rehabilitation and social services. **OFFERED:** With sufficient demand.
- 3650 Independent Study** 1-4 hrs. (1-4, 0)  
Intensive study of a social work area not specifically covered by other courses. **CONSENT:** Social Work Program Director. **REPEAT:** May be repeated. Total credit not to exceed 8 hours. **OFFERED:** With sufficient demand.

## SOWK (cont.)

- 4350 Program Planning and Grant Writing** **3 hrs. (3, 0)**  
The rationale for this course is based on the need in the nonprofit sector and social service agencies for highly competent professionals. Professionals who possess the requisite skills needed to: (1) assess community needs, especially those impacting children and families; (2) think strategically and creatively about relevant program interventions; (3) acquire competitive funding from government agencies and private and public foundations. The course integrates several knowledge and skill areas including: research methods, program planning, proposal writing, budget planning, project implementation, and program evaluation to assess the effectiveness of interventions. **PREREQUISITE:** Upper-division standing **SAME AS:** SOCI/PUBH 4350. **OFFERED:** Sem. I.
- 4650 Independent Study** **1-4 hrs. (1-4, 0)**  
Intensive study of a social work area not specifically covered by other courses. **CONSENT:** Social Work Program Director. **REPEAT:** May be repeated. Total credit not to exceed 8 hours. **OFFERED:** With sufficient demand.
- 4710 Social Work Practice** **4 hrs. (4, 0)**  
Teaches basic skills for generalist social work practice that considers the strengths and deficits in the interplay between people and their environments. Emphasizes theories, methods, and techniques for multi-dimensional assessment, differential selection of interventions, and evaluation in work with diverse populations. Also builds skills in ethical decision making, networking, utilizing resources, and documenting services. Internship required (20 hrs.). Admission to Social Work Program required. **PREREQUISITE:** SOWK 2000, 2100, 2200. **OFFERED:** Sem. II.
- 4720 Social Work Practice with Families and Groups** **3 hrs. (3, 0)**  
Emphasis on basic skills for generalist social work practice that include understanding and assessing family and small-group functioning, strategically planning interventions, and effectively terminating and evaluating services with these client groups. Common family issues are presented in tandem with ideas for interventions. A survey of group types is provided with techniques for effective facilitation. **PREREQUISITE:** SOWK 4710. **COREQUISITE:** SOWK 4730. **OFFERED:** Sem. I.
- 4730 Social Work Practice with Communities and Organizations** **3 hrs. (3, 0)**  
A study of macro social work practice skills, interventions, and issues with communities and organizations. Emphasizes community organization as a viable practice method. The close interrelationship between community and organizations is explored, as well as concepts such as empowerment, asset-based community development, collective action, and problem solving. **PREREQUISITE:** SOWK 4710. **COREQUISITE:** SOWK 4720. **OFFERED:** Sem. I.
- 4850 Social Work Practicum** **12 hrs. (arranged)**  
Block field placement (442 hours) in social agency under professional supervision. Requires full-time availability for the entire semester. This course applies to the liberal arts speaking-intensive and experiential ways of knowing requirement. **PREREQUISITE:** SOWK 4710, 4720, 4730. **OFFERED:** Sem. II.
- 4920 Honors Study** **4 hrs. (4, 0)**  
Intensive study of a social work area not specifically covered by other courses. **EXPECTATION:** Open only to seniors with 3.5 or higher GPAs in SOWK courses counted toward the major. **CONSENT:** Social Work Program Director. **PREREQUISITE:** Senior standing. **REPEAT:** May be repeated. Total credit not to exceed 8 hours. **OFFERED:** With sufficient demand.

# STATISTICS

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*Dr. C. Taylor, director; Dr. Frank, Dr. Griffith, Dr. Stull, Dr. Van Groningen*

Provides a coherent plan of study in statistics supporting students' major fields of study.

## STATISTICS MINOR (16 hrs.)

- MATH 2120 or PSYC 2440
- MATH 4010
- Other courses selected from PSYC 3240, PSYC 4650, POSC 2420, POSC 3140, or MATH courses approved by the program director.

# TEACHER EDUCATION

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*Dr. Sample, director; Dr. R. Baker, Dr. Epperly, Prof. Pohlschneider, Prof. Tatom, Dr. Trotter.*

## MISSION STATEMENT

The mission of the Department of Teacher Education is to prepare professional educators of excellence in a Christ-centered environment cultivating excellence in the following areas:

- Content competence
- Cultural connections
- Christian character

In line with the university's mission, the Department of Teacher Education seeks to prepare professional educators as teachers of excellence who integrate Christian faith and learning for service in a global society. The teacher education program is anchored in Anderson University's commitment to the liberal arts curriculum, which includes the arts, humanities, mathematics, and social and natural sciences. The liberal arts are essential for developing competent educators.

Education programs at the undergraduate level are based on both established and current research and sound professional practice. The philosophy, objectives, and outcomes for the teacher education program include contributions from the following:

- InTASC Standards
- Developmental standards of the Indiana Office of Educator Licensing and Development
- Philosophies and practices of the Department of Teacher Education and faculty in other content areas for licensure
- Collaborative P-12 educators

The Department of Teacher Education offers undergraduate professional education in courses leading to licensure for the elementary, middle, and high school levels. Efforts to renew and improve teacher education by the Indiana Office of Educator Licensing and Development and the national accreditation body, the Council for the Accreditation of Educator Preparation (CAEP), also govern the teacher education program. The Department of Teacher Education received ongoing accreditation by CAEP in 2016, with no areas of improvement cited. Due to these outside influences, regulations and standards governing teacher preparation programs change periodically. The programs of candidates admitted into the teacher education program at Anderson University are subject to those changes. Teacher education candidates are advised to meet regularly with their advisors to assure compliance with new requirements.

## General Information for Admission/Retention in the Teacher Education Program

All who wish to major in education and seek licensure must be formally admitted to the teacher education program after completing the prerequisite requirements. These requirements must be met prior to enrolling in upper-division education or subject specific methods courses and in the professional semester which includes student teaching. Transfer students considering a major in education should meet with the Director of Teacher Education to assess eligibility. Admission to the university neither implies nor guarantees acceptance into the teacher education program.

## **TEACHER LICENSURE**

Anderson University is regionally accredited by the Higher Learning Commission (HLC). Further, the teacher education program meets the national requirements of educator preparation programs through the Council for the Accreditation of Educator Preparation (CAEP) and the required licensing standards of the Indiana Office of Educator Licensing and Development, as noted above. To be admitted to the teacher education program, candidates must earn at least a 2.75 GPA (overall and in the major content area). Overall and major GPA expectation increases to 3.0 to be admitted to the professional semester which includes student teaching. In addition, all required tests must be passed by the third Friday in November for spring student teachers and the third Friday in June for fall student teachers. Upon graduation, candidates will be recommended through the Department of Teacher Education for Indiana teacher licensure.

## **ALTERNATIVE LICENSURE PROGRAM: TRANSITION TO TEACHING**

This program is designed for candidates who hold a bachelor's or master's degree in a non-education major. The degree must be from an accredited institution of higher education. The candidate must desire to become a teacher at the elementary, middle, or high school level. For Transition to Teaching candidates, all Indiana content licensure exams must be passed by the third Friday in November to student teach in the spring semester. Candidates who do not pass can petition to complete testing and, if approved, can student teach the following fall semester.

## **PERFORMANCE ASSESSMENT**

For purposes of gauging the entrance level and continued growth of students toward proficiency in the knowledge, skills, and dispositions of the teacher education program, a system of periodic performance assessments is used. Candidates transition through three performance assessment levels. Students admitted to the teacher education program are expected to demonstrate continual growth in content, pedagogy, and professional dispositions.

Students may be discouraged from attempting to complete preparation for a career in teaching if continuing assessments (academic and/or dispositional) by the Department of Teacher Education faculty indicate that a student is failing to meet acceptable professional and personal standards specified in the teacher education program.

*Note: All fees for tests, background checks, and courses are the responsibility of the student.*

## **LEVEL I: PRE-ADMISSION**

- Overall GPA of 2.5 is required for admission to EDUC 2030, 2170, 2200, 2460, 2860 and SPED 2550
- Completion of EDUC 2000, 2100, and 2110 with grades of C or better
- Completion of SPED 2400 and/or EDUC 2460 with grade(s) of C or better
- Declaration of education teaching major

## **LEVEL II: ADMISSION**

Elementary education majors must apply and be admitted to the teacher education program before enrolling in any 3000-level education course. Senior high/middle school education majors must apply and be admitted to the program before enrolling in EDUC 3000, or any other 3000-level education course.

- 2.75 GPA overall (2.75 in the major content area)
- The following courses completed with a grade less than C must be repeated: any EDUC course; any SPED course; ENGL 1100, 1110, 1120.
- Elementary education majors must also earn a C or higher in MATH 1100 and MATH 1110, but completion of these courses is not required prior to admission to the program.
- Satisfactory completion of an interview.
- Passing scores on the individual Praxis Core Academic Skills for Educators tests in reading (156), writing (162), and math (150), or a composite score of 460 for all three tests. Candidates with an overall GPA of at least 3.75, who take but do not pass Praxis Core through individual scores or a composite, may apply for admission.
- Submission and verification of a cleared criminal history check.
- Candidates must have completed either SPED 2400 or EDUC 2460 and be enrolled in the other to be considered for admission.
- Candidates must maintain a 2.75 GPA (overall and in the major content area) to continue in the teacher education program. If either GPA falls below 2.75, the candidate will be permitted to continue in EDUC and SPED coursework for one semester while placed on probation. Probation is limited to one instance of a single semester. Appeals for retention beyond this probationary period must be made in writing to the Dean of the School of Humanities and Behavioral Science and the Director of the Department of Teacher Education.

*All fees for tests, background checks, and courses are the responsibility of the student.*

### **LEVEL III: PROFESSIONAL SEMESTER WITH STUDENT TEACHING**

Candidates must do the following:

- Earn a GPA of 3.0 overall and C or better in professional courses; 3.0 GPA in content area for licensure.
- Demonstrate satisfactory completion of all knowledge, performance, and disposition assessment criteria and any other assessment required by the State of Indiana for licensure.
- Demonstrate successful completion of Indiana content and pedagogy licensure tests by the third Friday of November for spring student teaching and the third Friday of June for fall student teaching. Complete a cleared criminal history check. Submit proof of completion of a suicide prevention training program approved by the Indiana Department of Education. Submit a CPR certificate that meets the requirements of the Indiana Department of Education.

### **EDUCATOR DISPOSITION ASSESSMENT**

The DTE expects all teacher candidates in the professional education program to engage in practices and behaviors that are characteristic of developing career teachers. We believe candidates must demonstrate the values, attitudes, and commitments of the developing professional educator. The DTE has adopted the Educator Disposition Assessment curriculum to both raise concerns and identify exemplary dispositional behavior of students as they progress through the TPP. Through the use of this curriculum, the DTE informs teacher candidates of the TPP's dispositional expectations, assesses baseline dispositional data and documents when changes have occurred in dispositions and under what set of circumstances. Candidates are expected to demonstrate the dispositions identified on the EDA in coursework and in the field. When dispositional concerns are identified, candidates are provided additional supports to encourage their professional growth and programmatic success.

## Education Field Experiences

Teacher education candidates spend extended time working with students, a classroom teacher, and university faculty in field experiences early in their major course work and throughout their program. These experiences provide practical application to the theories presented in concurrent education classes. Pre-student teaching experience, including the use of video, computer discussion groups, school observation, and participation, are required of all teacher education candidates. Field experiences are supervised by university personnel. Teacher education candidates are required by AU to obtain a full cleared criminal history check each year before entering the classroom for field experience. Some schools may require their own background check in addition to the one AU requires. This documentation and accompanying fees are the responsibility of the student.

### STUDENT TEACHING (CLINICAL PRACTICE)

Teacher education candidates have two options for their professional year: year-long student teaching experience (approximately 30 weeks) or traditional one semester (approximately 16 weeks). Note: We cannot guarantee the exact number due to the balanced calendar of some districts. The student teaching experience provides students with opportunities to plan and implement instruction, manage the classroom, evaluate student progress, communicate with other professionals and parents, and develop as professional educators under the supervision and mentoring of university and P-12 school personnel. Candidates are strongly discouraged from employment on or off campus during their student teaching semester. Candidates must meet all requirements listed above under Level III: Professional Semester with Student Teaching. Students are responsible for all fees associated with testing and coursework.

### INTERNATIONAL STUDENT TEACHING PLACEMENTS

International teaching placements are designed to provide students with experiences in a comprehensive setting for study of the educational, cultural expressions, and social issues related to teaching in another culture. These unique opportunities provide students with an expanded cultural perspective and cross-cultural skills.

Each semester the Department of Teacher Education, the Office of International and Intercultural Studies, and Student Teachers and Global Experience (STAGE) coordinate the placement of student teachers/education candidates around the world to complete their student teaching requirement. Since 1990, STAGE has placed more than 1,700 teachers in schools around the world. In the past, students have been placed in South America, Asia, Africa, Europe, the Middle East, Australia, and New Zealand. The International and Intercultural Studies faculty and staff will work with each candidate to design the best experience for your needs. Generally, candidates spend approximately eight weeks in an Indiana placement and approximately eight weeks in the international setting. Candidates must inform the Department of Teacher Education of their intention to participate in international student teaching no later than February 1st of their sophomore year. All fees and costs associated with international placement are the responsibility of the candidate.

## Education Teaching Majors

### ELEMENTARY EDUCATION — GRADES K-6

An elementary education major prepares candidates to teach kindergarten through grade 6. All elementary majors must have a concentration/minor along with their elementary major. The minor does not have to lead to licensing, but the department strongly suggests choosing a minor or concentration that will enhance their major, such as the special education minor (mild intervention).

## **ELEMENTARY EDUCATION MAJOR (83 hrs.)**

- EDUC 2000, 2030, 2100, 2110, 2170, 2200, 2460, 2520, 2730, 3120, 3300, 4120, 4310, 4320, 4850, 4910
- SPED 2400, 3120, 3200
- MUED 2110
- EDUC 4010 Student Teaching (10 hrs.; may be repeated up to a maximum of 20 hrs.)
- EDUC 4930 Leadership Seminar in Character Education
- 12 hours in supportive disciplines: HIST 2000, MATH 1110, PETE 3710, PHYS 1030
- 14 hours in partial fulfillment of the Liberal Arts Program (See Liberal Arts Program in this catalog): BIOL 1000, ENGL 3590, HIST 2110, MATH 1100

### ***Reading Concentration***

Embedded in the elementary education major is a reading concentration. All elementary education candidates will earn this concentration and Reading K-6 will be printed on their license in addition to Elementary Education K-6. This does not provide an additional licensing area, but does signify that a candidate has received extra coursework and field experiences in designing effective reading instruction. This may serve as the required concentration/minor for licensing.

## **SECONDARY TEACHING PROGRAM REQUIREMENTS**

In addition to the Teacher Preparation Program requirements listed below, students must complete requirements for their specific secondary teaching programs.

### **TEACHER PREPARATION PROGRAM REQUIREMENTS (43 hrs.)**

- EDUC 2000, 2100, 2110, 2460, 2520, 2860, 3000, 3100, 3120, 4710
- SPED 2400
- EDUC 4010 Student Teaching (10 credit hours) and EDUC 4930
- Special Methods 4700 required prior to the professional semester and is counted in content area hours.

These courses are listed in the catalog under various captions.

Requirements for the secondary teaching programs listed above may be found in the catalog sections of the departments listed in parentheses:

- Language arts teaching major (English)
- Mathematics teaching major (Mathematics)
- Social studies teaching major (History and Political Science)

## **ALL GRADES: P-12**

- Music education major: Grades P-12 (Music). See Music Education.
- Spanish education major: Grades P-12 (Spanish). See Spanish Education.

## **EDUCATION (NON-LICENSE) MAJOR OR MINOR**

Students who seek non-teaching careers related to the education of children or youth (such as child life, camps, religious education) may choose to pursue a non-license major or minor in education, which does not satisfy teacher education licensing requirements for the State of Indiana.

## **BACHELOR OF ARTS IN EDUCATION MAJOR (NON-LICENSE)**

- 30 hours (subject to change) from approved School of Education courses
- Required Courses: EDUC 2000, 2030, 2100, 2110, 2170, 2200, 2460; PETE 3710; SPED 2400
- EDUC 4810 (3-hour internship)

## **EDUCATION MINOR**

- 16 hours from approved Department of Teacher Education courses that include the following:
  - EDUC 2000, 2100, 2110, 2460, 4810
  - SPED 2400

## **SPECIAL EDUCATION MINOR (GRADES K-12)**

Elementary and secondary teacher candidates may choose a minor in Special Education: Mild Interventions. By completing the minor and the required test, they can be licensed for P-12 Indiana licensure in Exceptional Needs: Mild Interventions. The mild interventions program is guided by CEC Preparation Standards, the CEC Individualized General Curriculum Specialty Skill Set, and InTASC Standards. The program consists of 15 hours of exceptional needs coursework, practicums that increase in duration and intensity, and student teaching in a special education setting. A planned, systematic sequence of field experiences is part of the course sequence. Prior to the first field experience in this area, candidates participate in school observations and tours, live simulation activities, and solo/co-teaching micro-teaching experiences. Field experiences are in diverse educational settings providing an opportunity for candidates to work with students of varying racial/ethnic backgrounds, socioeconomic groups, and whose native language may not be English.

### **SPECIAL EDUCATION MINOR (15 hrs.)**

- SPED 2400, 2500, 2550, 3120, 3200
- Additional testing for licensure

## **READING SPECIALIST WITH TRAINING IN DYSLEXIA**

Anderson University is approved by the Indiana Department of Education to prepare “reading specialists with training in dyslexia.” Senate Enrolled Act (SEA) 217 requires that each school district in Indiana employ or consult through contract with “a reading specialist with training in dyslexia.” This position serves as a resource to principals, teachers, families, and students in the area of dyslexia, and helps the district with screening and intervention processes for students with this reading disability.

### **DYSLEXIA PROGRAM (15 hrs.)**

- EDUC 2200
- EDUC 2730
- EDUC 3300
- EDUC 4850
- EDUC 4910
- SPED 3120

All 15 credits are embedded in the elementary education major; however, candidates must pass an in-house competency requirement to complete the program and earn this designation.

## EDUC Courses

- 2000 Teaching as a Profession** 2 hrs. (2, 1)  
Designed for the prospective teacher education candidate to examine and understand one's values, beliefs, motivations, and goals; to be aware of and able to evaluate one's personal learning characteristics; to be knowledgeable about the developmental stages in becoming a teacher; the history of education in the USA; and to develop a view of education as related to self, students, teachers, schools, community, the teaching profession, foundations, reform, and the future. The course draws heavily upon class participation, classroom observations, research, and oral and written communication skills. Required of all education majors. Grade of C or better required. Prerequisite for all education courses in professional sequence. **OFFERED:** Sem. I, II.
- 2030 Learning and Teaching Mathematics in the Elementary Classroom** 3 hrs. (3, 1)  
Develops content and pedagogical knowledge through state and national standards for the development and delivery of a well-designed, standards-based mathematics curriculum. Presentation of instructional materials, methods, and assessment related to elementary school mathematics are part of the course activities. Field experiences required. Grade of C or better required. **PREREQUISITE:** MATH 1100, 1110; EDUC 2000, 2100, 2110; 2.5 GPA overall. **EXPECTATION:** Grade of C or better in MATH 1100, 1110. **OFFERED:** Sem. I, II.
- 2100 Child and Adolescent Development** 3 hrs. (2, 0)  
The primary focus of this course is on characteristics of growth and development of young children through adolescence, including physical, psychological, social, cognitive, and emotional aspects. Required of all education majors. Grade of C or better required. **OFFERED:** Sem. I, II.
- 2110 Educational Psychology: Learning in the Schools** 3 hrs. (2, 0)  
An introduction to the application of psychological principles to the challenges of teaching and learning. This course examines the theoretical and applied aspects of learning, motivation, human development, and measurement and evaluation. This course is required of all education majors. A grade of C or better is required. **SAME AS:** PSYC 2110. **OFFERED:** Sem. I, II.
- 2170 Teaching I: Curriculum and Instruction for Early Childhood** 4 hrs. (4, 2)  
Emphasizes curriculum and planning in the kindergarten and primary grades. Standards-based teaching and planning using developmentally appropriate strategies are stressed. Prominence is on the uniqueness of teaching young children with an introduction to classroom organization and management. Grade of C or better required. Field experiences required. **PREREQUISITE:** EDUC 2000, 2100, 2110; 2.5 GPA overall. **OFFERED:** Sem. I, II.
- 2200 Foundations of Reading Instruction** 3 hrs. (3, 0)  
Organization, implementation, and evaluation of reading programs. Focuses on the stages of literacy development, the reading process, planning strategies and classroom management. Field experiences required, including classroom observation and/or teaching assignments. Grade of C or better required. **PREREQUISITE:** EDUC 2000, 2100, 2110, 2170; SPED 2400; 2.5 GPA overall. **OFFERED:** Sem. I.
- 2460 Exploring the Multicultural Classroom** 3 hrs. (3, 0)  
Emphasis on factors which influence behavior of ethnic and cultural group members in schools and educational settings. The course explores the changing demographics of schools, intercultural competence, and defining one's cultural self. Attention will be given to how teacher candidates can support multilingualism and multiculturalism in the classroom, by understanding and implementing culturally relevant pedagogical practices. Strategies for accommodation of instruction and engaging in culturally relevant teaching to meet the needs of all students will be introduced. Grade of C or better required. Required course for all elementary and secondary education majors. **PREREQUISITE:** EDUC 2000, 2100, 2110; 2.5 GPA overall. **OFFERED:** Sem. I, II.
- 2520 Technology in the Classroom** 3 hrs. (3, 0)  
This course increases the teacher candidate's awareness of technology concepts and tools as a means of providing differential instruction in a student-centered classroom. The use of current technologies is framed within sound learning theory, proven pedagogical principles, and current professional standards. Students are provided opportunities to develop skills and perceptivity in selecting, applying, integrating, and managing instructional technology in the K-12 classroom. **OFFERED:** Sem. I, II.

EDUC (cont.)

- 2730 Field Experiences in Reading Processes** **1 hr. (0, 2)**  
Required of all elementary education majors. Grade of C or better required. **PREREQUISITE:** EDUC 2200. **COREQUISITE:** EDUC 3300. **EXPECTATION:** Admission to the teacher education program required. **OFFERED:** Sem. II.
- 2850 Practicum in Leadership Skills** **2 hrs. (1, 2)**  
An introduction to training assertiveness, communication, helping, and negotiation skills. Students receive direct feedback on their performance and gain experience in co-leadership and team building. Required for youth leadership-development majors. **CONSENT:** Instructor. **PREREQUISITE:** PSYC 2100. **GRADE:** CR/NC. **SAME AS:** PSYC/SOCI 2850. **OFFERED:** Sem. I, II.
- 2860 Practicum in Secondary Education** **1 hr. (1, arranged)**  
This course emphasizes curriculum and lesson planning for middle and high school classrooms. Completion of a C or better required to progress. Field experiences are required. **PREREQUISITE:** 2.5 GPA. **OFFERED:** Sem. I.
- 3000 Teaching Literacy Skills in Middle and High School Content Areas** **3 hrs. (3, 0)**  
In this course, students will examine research and instructional approaches to help improve the literacy of adolescents and adults. The course is focused on current research that looks at the complexities of the reading process and how the process can be improved upon in content area classrooms. Students will design a lesson plan based upon the Department of Teacher Education's lesson plan format, including related activities to be implemented in the plan, research-based reading strategies, and focused purposes for reading. The lesson plan will be submitted electronically. Through reflective writing, students will be able to assess their understanding of literacy in the classroom and their growth in the appropriate use of a variety of reading strategies. Grade of C or better required. **EXPECTATION:** Admission to the teacher education program required. **OFFERED:** Sem. I.
- 3100 The Middle School in the United States** **3 hrs. (2, 2)**  
This course is an introduction to teaching strategies for meeting the special needs of the young adolescent student. Physical, emotional, social, and intellectual changes prompt the teacher to use developmentally appropriate instruction in order to engage the young adolescent student and to motivate these students to achieve. Teaching methods, such as real-life situations, cooperative learning, hands-on experiences, and lesson planning are emphasized. Historical patterns and philosophy of the middle-school movement, with a focus on how to teach this age group, are included. A required practicum is embedded in this course as a field experience in a middle school and is linked to the coursework. Required of all secondary education majors. Grade of C or better required. **PREREQUISITE:** EDUC 2100, 2110, 2460 and 2860. **EXPECTATION:** Admission to the teacher education program required. **OFFERED:** Sem. II.
- 3120 Educational Assessment for the Classroom Teacher** **3 hrs. (3, 0)**  
This course is designed to prepare elementary and secondary teacher candidates with a strong knowledge base about assessments and their use in the classroom today. Teacher candidates will learn what assessment is, when and how to use a variety of assessment strategies, how to create them, ways to interpret and analyze the data and results, and how to use these interpretations to inform their teaching practice. Candidates will design a comprehensive work unit based upon researched assessment practices, including gathering data and analyzing and interpreting their results. Through reflective writing, candidates will be able to evaluate their understanding of assessment in the classroom and their growth in the appropriate use of a variety of assessment strategies. This course applies to the liberal arts writing-intensive requirement. Grade of C or better required. **EXPECTATION:** Admission to the teacher education program required. **OFFERED:** Sem. I, II.
- 3300 Reading Processes with Assessment and Intervention** **3 hrs. (2, 1)**  
Process assessment and corrective reading instruction at the elementary level. Emphasis on understanding reading difficulties across the stages of literacy development and addressing instructional needs in strategy and skill development. Contact with children in tutorial and small group teaching situations is included. Grade of C or better required. **PREREQUISITE:** EDUC 2200. **COREQUISITE:** EDUC 2730. **EXPECTATION:** Admission to the teacher education program required. **OFFERED:** Sem. II.

EDUC (cont.)

- 3550 Intercultural Education** 3 hrs. (3, 1)  
Introduction to theory and practice of intercultural communication, cross-cultural and international experiences, and teaching with a global perspective. Emphasizes an understanding and respect for cultural, racial, geographical, and religious differences and the impact these differences have on educational/teaching theories and practices. This course is concurrent with EDUC Tri-S participation where work with children and educators will be the primary focus. This course also fulfills a Liberal Arts requirement. Grade of C or better required for education majors. **OFFERED:** Summer Session I.
- 3590 Teaching Diversity Through Young Adult Literature** 3 hrs. (3, 0)  
Provides secondary, middle, and upper elementary pre-service teachers with a wide variety of experiences in reading, analyzing, and discussing texts written specifically for young adults. Grade of C or better required. This course applies to the liberal arts writing-intensive requirement. **PREREQUISITE:** Grade of C- or above in ENGL 1120. **SAME AS:** ENGL 3590. **OFFERED:** Sem. I.
- 4010 Student Teaching** 10 hrs. (1, 35)  
Observation, participation, and teaching in the school setting for 10-16 weeks on a full-day basis. Student teachers are expected to participate in all aspects of public school responsibilities as part of the professional semester. A student teaching fee is required. Grade of C or better required. **REQUIRED:** Admission to professional semester. Passing all Indiana licensure exams (content and pedagogy), suicide prevention training, CPR certification. **PREREQUISITE:** 3.0 GPA (overall and content area for licensure); completion of 104 hours; senior standing. **REPEAT:** May be repeated up to a maximum of 20 hours. **CONSENT:** Department. **OFFERED:** Sem. I, II.
- 4120 Organization and Management for the Elementary Classroom** 4 hrs. (2, 10)  
Culminating experience designed to allow teacher candidates to integrate the skills of teaching with effective classroom management techniques. This course emphasizes classroom management, lesson design, and classroom culture. A practicum experience is embedded and merged with the coursework to focus on managing the learning environment in order to enhance student success. This course applies to the liberal arts speaking and writing-intensive requirements. Required of all senior elementary education majors. A grade of C or better is required. **EXPECTATION:** Admission to the teacher education program required. **OFFERED:** Sem. I, II.
- 4310 Integrated Teaching II: Language Arts and Social Studies** 4 hrs. (4, 2)  
Integrative approach to the teaching of language arts and social studies in the classroom. Using children's literature as a framework, students develop curriculum, instructional, and assessment strategies that are research-based and framed within national and state standards. Emphasis is placed on differentiation of learning to meet individual student needs. Portfolio artifacts required. Grade of C or better is required. **PREREQUISITE:** EDUC 2200, EDUC 3300. **COREQUISITE:** EDUC 4320. **EXPECTATION:** Admission to the teacher education program required. **OFFERED:** Sem. I.
- 4320 Integrated Teaching III: Exploring STEM in the Elementary Classroom** 4 hrs. (4, 2)  
This course prepares elementary teacher candidates for successful teaching of STEM in the classroom, using an integrative, hands-on approach. The course is designed to provide teacher candidates with the pedagogical knowledge, skills, and opportunities for application in clinical settings. Emphasis is on promoting inquiry-based learning using national and state standards. Project-based learning is presented as a framework for the integration of STEM content areas. Candidates focus on planning, teaching, and assessing STEM lessons in elementary classrooms. **PREREQUISITE:** EDUC 2030; MATH 1100, 1110. **COREQUISITE:** EDUC 4310. **EXPECTATION:** Admission to the teacher education program required. **OFFERED:** Sem. I.
- 4710 Management, Organization, and Methods in the Secondary Classroom** 4 hrs. (2, 10)  
This course focuses on strategies to meet the special needs of young adolescent and young adult students. Physical, emotional, social, and intellectual issues are a foundation for developmentally appropriate instruction. Designed as a sequel to the middle school course, this course emphasizes classroom management, lesson design, and classroom culture. A practicum experience is embedded and merged with the coursework to focus on managing the learning environment in order to enhance student success. Work in the university classroom and in a secondary school placement (practicum) is expected. This course applies to the liberal arts speaking and writing-intensive requirements. Required of all senior high/middle school education majors. A grade of C or better is required. **EXPECTATION:** Admission to the teacher education program required. **OFFERED:** Sem. I, II.

## EDUC (cont.)

- 4800 Internship in Youth Leadership** **2 hrs. (1, 2)**  
An opportunity for youth leadership-development majors to practice the training and presentation skills and content learned in prior courses in an applied setting relevant to the student's career or personal goals. Required for youth leadership-development majors. **CONSENT:** Department. **PREREQUISITE:** PSYC 4210. **GRADE:** CR/NC. **SAME AS:** PSYC/SOCI 4800. **OFFERED:** Sem. II.
- 4810 Educational Internship** **1-6 hrs. (arranged)**  
Meets special needs for independent study and internship in professional education. Field experience (4-6 hrs.) in. Grade of C or better required. **CONSENT:** Department. **REPEAT:** May be repeated. Total credit not to exceed 6 hours. **OFFERED:** As needed.
- 4850 Reading Clinic** **4 hrs. (arranged)**  
This course is an intensive, clinical practicum designed to strengthen the candidate's skills in providing intervention services to students with significant reading difficulties/disabilities including dyslexia. Candidates will work with one to three students who are reading significantly below grade level. Instructional time is followed by reflection and discussion in small groups focusing on student profiles of reading development/disability, instructional strategies, as well as responsiveness to intervention and necessary modifications. Candidates will also write educational reports and/or hold conferences with parents addressing the participant's current level of performance and recommended instructional supports. Grade of C or better required. **PREREQUISITE:** EDUC 2200, 2730, 3300. **EXPECTATION:** Admission to the teacher education program required. **OFFERED:** Sem. I.
- 4910 Reading Research Seminar** **1 hr. (1, 0)**  
This course focuses on professional development strategies for keeping informed of new developments in the field of literacy. Candidates will use professional resources and digital tools to learn about current research, translate research into practice, and share this knowledge with colleagues. Grade of C or better required. **PREREQUISITE:** EDUC 4850. **EXPECTATION:** Admission to the teacher education program required. **OFFERED:** Sem. II.
- 4930 Leadership Seminar in Character Education** **2 hrs. (2, 0)**  
This course is required of all teacher candidates during their clinical practice experience. The seminar is designed as a study in leadership and the dynamics of character for teachers as classroom and school leaders. Critical issues for educators will be examined, such as the learning environment, professionalism, school relations, and the dispositions of classroom leadership. The course will be presented in a seminar format with the students engaging in assigned readings, reflection, discussion, student-led presentations, research, and specific facets of performance. The class will meet once each week during the late afternoon as a corequisite with the student teaching experience. Grade of C or better is required. **CONSENT:** Department. **COREQUISITE:** EDUC 4010. Must be admitted to Student Teaching. **OFFERED:** Sem. I, II.

## SPED (Special Education) Courses

- 2400 Introduction to Mild Disabilities** **3 hrs. (3, 1)**  
Provides an overview of definitions, characteristics, and educational needs of students with mild disabilities. Course includes cultural, language, behavioral, social, and academic factors that interfere with academic achievement for these students. Course also examines current models of educating students with mild disabilities, including response to intervention and the changing roles of educators within those models. This course is required of all elementary, secondary, and music education majors, including pre-service educators licensing in special education and students majoring in other fields, but who are earning a special education minor. Grade of C or better required. **OFFERED:** Sem. I, II.
- 2500 Technology for the Diverse Learner** **3 hrs. (3, 0)**  
This course assists pre-service educators to develop the skills they need to successfully integrate technology throughout their professional practice. The ability to customize learning activities for all students, including those with exceptionalities, is the hallmark of differentiated instruction. Effective assistive technology use allows the special education teacher not only to better discern what a student needs to learn but also provides a means by which to deliver individually designed instruction. Grade of C or better required. This course is required of all pre-service educators licensing in special education, as well as those who are earning a special education minor. **PREREQUISITE:** SPED 2400. **OFFERED:** Sem. I.

## SPED (cont.)

- 2550 Characteristics of Emotional and Behavioral Disorders of Children and Youth 3 hrs. (3, arranged)**  
This course explores the characteristics of children and youth with emotional and behavioral disorders. In addition, the criteria and process of identifying students who may warrant special education services for emotional and behavioral disorders (EBD) are rigorously considered. This course will familiarize candidates with current theories for understanding EBD as well as perspectives on best practices for providing an optimal learning context for students identified with EBD. Students engage in a 60-hour field experience. This course is required of all pre-service educators licensing in special education, as well as those who are earning a special education minor. Grade of C or better required. **PREREQUISITE:** SPED 2400; Overall 2.5 GPA. **OFFERED:** Sem. II
- 3120 Special Education Assessment for the Classroom Teacher 3 hrs. (3, arranged)**  
Explores educational assessment practices for students with mild disabilities. Course will familiarize students with the administration and interpretation of formal and informal educational assessment instruments used for instructional decision-making and provision of services to students with special educational needs. This course is required of all elementary education majors, as well as students earning a special education minor. Grade of C or better required. This course applies to the liberal arts writing-intensive requirement. **PREREQUISITE:** SPED 2400. **EXPECTATION:** Admission to the teacher education program required. **OFFERED:** Sem. I
- 3200 Classroom Instruction for Mild Disabilities 3 hrs. (3, arranged)**  
Examines techniques for making and implementing data-driven decisions for educating students with mild disabilities. Development of instructionally sound individualized education programs (IEPs) and implementation in the least restrictive environment for students will be emphasized. Students will learn to develop appropriate instruction and accommodations to provide access to the general curriculum for students with disabilities. This course is required of all elementary education majors, as well as students earning a special education minor. Grade of C or better required. **PREREQUISITE:** SPED 2400, 3120. **EXPECTATION:** Admission to the teacher education program required. **OFFERED:** Sem. II.

## Transition to Teaching Program (Post-Baccalaureate Licensure)

The Transition to Teaching Program (T2T), approved by the state of Indiana (IC 20-28-4: 511 IAC 13-1-1), is designed for those individuals with a baccalaureate degree and a desire to become a teacher. This program is specifically designed to recruit, prepare, and license talented individuals for teaching at the elementary (K-6) or secondary (5-12) levels. Admission requirements are established by the State of Indiana. Candidates may select either an elementary or secondary track. Passing all content licensing exams, suicide prevention training, and CPR certification is required before student teaching. The program is subject to any changes from the Indiana Department of Education.

### T2T PROGRAM DESIGN

The Transition to Teaching Program is a 12-month intensive program of educational coursework, field experiences, and a semester of clinical practice (student teaching), which, when successfully completed, leads to a recommendation for an Indiana teaching license. Coursework includes online, hybrid and face-to-face classes. Candidates must be available during the school day from January through May for full-time study and student teaching. Coursework begins in May and is compressed into modules throughout the program.

All courses are in alignment with Indiana Educator Standards (REPA 3 developmental and content standards), Council for the Accreditation of Educator Preparation (CAEP) Standards, The Interstate New Teacher Assessment and Support Consortium (InTASC) Principles, and the Indiana Office of Educator Licensing and Development.

## ELEMENTARY TEACHING LICENSURE (24 hrs.)

- EDUC 4200, 4210, 4215, 4220, 4221, 4222, 4231, 4232, 4240, 4260, 4280

## SECONDARY TEACHING LICENSURE (18 hrs.)

- EDUC 4200, 4210, 4215, 4250, 4251, 4240, 4260, 4280

## EDUC (Transition to Teaching) Courses

*[See Separate Calendar in the Department of Teacher Education for this program]*

*Prerequisite for all T2T courses: Admission to the T2T program.*

### **4200 The Profession of Teaching 3 hrs. (1,0)**

Through coursework, candidates will develop insights to the culture and nature of instruction in K-12 classrooms. Candidates will develop an understanding of how to establish a community of learners through group norms, self-identification and discussion of the five areas of holistic behaviors for optimal productivity. Candidates will also develop an understanding of the principles of learning and student development as related to planning curriculum, learning activities, modes of delivery, and instructional pacing to meet the needs of each learner.

### **4210 Psychology of Teaching 3 hrs. (3, 0)**

This course addresses the most significant concepts, principles, theories, methodologies, and issues in the field of educational psychology and child development. Coursework requires students to develop and apply an understanding of pedagogy by analyzing and integrating the science of learning with the art of teaching. The usage of technological formats to enhance learning will be addressed.

### **4215 Exceptional Learners 1 hr. (1, 0)**

This course will provide an overview of the characteristics and educational needs of students with mild disabilities. Historical, legal, and social perspectives will be considered. Students will study language, processing, behavioral, social, and academic issues that interfere with the academic achievement of students. The goal of the class is to provide knowledge all teachers need to work with students with mild disabilities in inclusive classrooms and in the community. **PREREQUISITE:** EDUC 4200, EDUC 4210.

### **4220 Differentiated Curriculum and Instruction: Mathematics 1 hr. (1, 0)**

Elementary education candidates in this course will articulate clear learning objectives and instructional strategies using a repertoire of flexible teaching and learning approaches: addressing current curriculum and student standards, using aspects of students' background knowledge, diverse representations, and social/legal issues relating to special populations, and monitoring students' understanding of content through a variety of means. Candidates will study curriculum topics by examining the organization, materials, and resources of mathematics content and the implications for using them.

### **4221 Differentiated Curriculum and Instruction: STEM 1 hr. (1, 0)**

Elementary education candidates will study curriculum topics of science, technology, engineering, and mathematics (STEM) by examining the organization, materials, and resources of each content area and the implications for using them in a classroom setting. Focus will be on the integration of concepts and the pedagogical implications of interdisciplinary instruction. Selection of teaching and learning strategies, such as modeling, cooperative learning, guided activities, use of journals, graphic organizers, and the inquiry method.

### **4222 Differentiated Curriculum and Instruction: Social Studies 1 hr. (1, 0)**

Elementary education candidates will study the scope and sequence and the pedagogical implications of interdisciplinary instruction using social studies concepts. Organization, resources, and materials for the teaching of social studies will be addressed. Integration with children's literature will be a focus, as well as instructional differentiation for individual learning needs in the classroom.

**EDUC-T2T (cont.)**

- 4231 Developmental Reading** **3 hrs. (1, 0)**  
Elementary education candidates will study linguistic and cognitive bases in the reading process: comprehension, word identification, vocabulary development, and methodologies will focus on various approaches for teaching reading, research and theoretical bases for various instructional approaches, instructing students with special reading needs, and fostering enjoyment and appreciation of reading.
- 4232 Diagnostic and Corrective Reading** **3 hrs. (1, 0)**  
Elementary education candidates will demonstrate knowledge and understanding of reading difficulties, use a variety of instructional strategies, assess and document student progress, and plan/implement instruction based on knowledge of students, learning theory, subject matter, and curriculum needs. Varied forms of assessments include standardized tests, basal reading assessments, readability indexes, informal reading inventories, miscue analysis, doze procedures, individual conferences, portfolios, and journals.
- 4240 Multidimensional Assessment for Student Learning** **2 hrs. (1, 0)**  
This course is designed to prepare elementary and secondary teacher candidates with a strong knowledge base of assessments and their use in the classroom. Candidates will learn what assessment is, when and how to use a variety of assessment strategies, understand how to create them, ways to interpret and analyze the data and results, and know how to use these interpretations to inform their teaching practice. Students will design a comprehensive work unit based upon researched assessment practices, including gathering, analyzing, and interpreting data results. The CWU will be electronically submitted to the Tk20 data system.
- 4250 Reading in the Content Areas (Secondary Level)** **2 hrs. (2, 0)**  
Candidates examine research and instructional approaches to help improve the literacy of adolescents and adults. This course is focused on current research that looks at the complexities of the reading process and how the process can be improved upon in the content areas at the secondary level. Students will design a lesson plan based upon the Department of Teacher Education's lesson plan format, including related activities to be implemented in the plan, research-based reading strategies, and focused purposes for reading. The lesson plan will be electronically submitted to the Tk20 data system.
- 4251 Development of Middle/High School Instruction** **1 hr. (1, 0)**  
This course focuses on meeting the specific needs of the early adolescent student. Physical, emotional, and intellectual changes prompt the teacher to use developmentally appropriate instruction in order to motivate the learner to achieve. Teaching methods such as real-life situations, cooperative learning, and hands-on experiences are emphasized.
- 4260 Creating an Environment for Student Learning** **2 hrs. (1, 5)**  
Candidates will analyze and reflect on the essential elements and plans to create an environment that promotes student learning. Candidates will learn how to create a classroom climate that attends to interpersonal relations, motivational strategies, questioning techniques, school expectations, rules, routines, and procedures. A focus will be on developing responses to individual and cultural diversity, nonverbal communication skills, establishing and maintaining consistent standards of classroom behavior, and making the classroom environment as safe and conducive to learning as possible. Course includes a 5-week practicum in a school setting.
- 4280 Student Teaching (Clinical Practice)** **4 hrs. (1, 35)**  
Observation, participation, and teaching in the school setting for 10-16 weeks on a full-day basis is required. Candidates are expected to participate in all aspects of the school day and responsibilities of the classroom teacher demonstrating professional dispositions. Candidates will complete a teacher work sample (TWS) during the student teaching assignment. Candidates are expected to attend the Student Teaching Seminar during the sessions where the Teacher Work Sample will be discussed.  
**PREREQUISITE:** All content licensure exams must be passed, suicide prevention training completed, and have current CPR certificates. All course work assignments must be successfully completed and a GPA of 3.0 must be earned.

# WOMEN'S STUDIES

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*Dr. Rogers, coordinator; Prof. Miller-Fox, Prof. Pay.*

An interdisciplinary minor focusing on the historical, cultural, sociological, political, and economic roles of women both nationally and globally. Emphasis is also placed on women's issues as they affect the individual and the family. The women's studies minor is hosted by the Department of History and Political Science. Students who declare this minor must meet with the coordinator for advising.

## WOMEN'S STUDIES MINOR (15 hrs.)

### Required courses (6 hrs.):

- HIST 3260
- HIST 4650 (may substitute POSC 4650, ENGL 4650, or SOCI 4650, with prior approval of program coordinator)

### Remaining (9 hrs.) from:

- HIST 4030, SOCI 2120, SOCI 3100, SOCI 3200, ENGL 4450, ENGL 3580, POSC 3320, RLGN 3120

# GRADUATE PROGRAMS

## School of Theology and Christian Ministry

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### **MASTER OF DIVINITY (MDiv)**

The purpose of this degree program is to equip ministers of the Gospel — men and women — for ordained service. The Master of Divinity is the basic ministerial leadership degree for those preparing for ministry. This degree provides a broad preparation with a solid core in Bible, history, theology, mission, and pastoral ministry.

The MDiv is offered both in residence and 100% online and is fully accredited by the Association of Theological Schools in both formats.

### **MASTER OF THEOLOGICAL STUDIES (MTS)**

The Master of Theological Studies is a 48-hour degree program that provides a basic understanding of theological disciplines for further graduate study or for general educational purposes. The MTS provides a thesis track for students considering PhD or ThD programs. The thesis track option of the MTS is a 49-hour degree program requiring a 3.5 GPA, faculty interview, and writing sample in addition to general admission into the seminary. Neither the general studies nor thesis option provide adequate preparation for pastoral ministry. Students who are preparing for ordained ministry should enroll in the Master of Divinity degree program.

### **MASTER OF ARTS IN CHRISTIAN MINISTRY (MACM)**

This 48-hour degree program is offered online and is designed for those currently serving in local congregations. Students do most of their coursework on their own schedule. The MACM degree offers specializations in student ministry, pastoral ministry, and preaching.

### **CENTER FOR PASTORAL LEARNING**

The Center for Pastoral Learning is a non-degree certificate program of the School of Theology and Christian Ministry that focuses on continuing education for both pastors and laity. The center offers independent study courses created by Anderson University and seminary faculty. The center offers a Certification in Christian Ministry.

For more information about the School of Theology and Christian Ministry, contact:

Dr. Nathan Willowby, Dean  
School of Theology and Christian Ministry  
Anderson University  
1100 East 5th Street  
Anderson, IN 46012-3495  
(765) 641-4535  
[njwillowby@anderson.edu](mailto:njwillowby@anderson.edu)  
[anderson.edu/theology-christian-ministry](http://anderson.edu/theology-christian-ministry)

## Falls School of Business

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### **MASTER OF BUSINESS ADMINISTRATION (MBA) — PROFESSIONAL PROGRAM**

Designed for the working professional, this program is fully accredited by the Accreditation Council for Business Schools and Programs (ACBSP). The program is offered in Anderson and at multiple locations in the Indianapolis area. Students are part of a cohort that normally meets one night a week. The program can be completed in less than two years.

### **MASTER OF BUSINESS ADMINISTRATION (MBA) — RESIDENTIAL PROGRAM**

Designed for individuals who desire graduate-level studies in a Christian environment immediately following completion of their undergraduate program. The program is experiential in nature, emphasizes professional development, and utilizes an intense living-learning approach. The program can be completed in 10 months and is fully accredited by ACBSP.

### **MASTER OF BUSINESS ADMINISTRATION (MBA) — ONLINE PROGRAM**

Designed specifically for individuals who prefer learning via an online platform. The program provides scheduling flexibility without sacrificing quality or rigor. Courses are taught by full-time FSB faculty. Each course consists of online discussions, interaction with the faculty member, and application assignments related to the concepts. This program is fully accredited by ACBSP.

### **DOCTOR OF BUSINESS ADMINISTRATION (DBA)**

Designed for individuals who are currently serving or desire to serve as faculty members at higher education teaching institutions. Students do in-depth study in four primary areas: teaching pedagogy, values/faith integration, research methodology, and a business major. A unique blending of on-campus residency weeks and directed studies result in a format that is of high quality and doable. The DBA program is fully accredited by ACBSP.

For more information about the Graduate Business Programs, contact:

Dr. Michael E. Collette, Dean  
Falls School of Business  
Anderson University  
1303 East 5th Street  
Anderson, IN 46012-3468  
(765) 641-4329  
*mba@anderson.edu -or- dba@anderson.edu*  
*anderson.edu/business*

## School of Music, Theatre, and Dance

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### MASTER OF MUSIC EDUCATION (MME)

This 32-hour degree program is designed for the practicing music educator who has one or more years of experience as a music teacher. The program can be completed mostly in summer sessions (six weeks of coursework each summer), though a limited number of evening classes during the academic year may be required. Separate tracks of study are available for instrumental, choral, and general music specialists. Students may also pursue three levels of Orff Schulwerk Certification or other courses from the Summer Studies in Music Education program as part of this degree program.

For more information about the MME Program, contact:

Dr. Jeffrey Wright, Dean  
School of Music, Theatre, and Dance  
Anderson University  
1100 East 5th Street  
Anderson, IN 46012-3495  
(765) 641-4544  
(800) 619-3047 toll-free  
*[jewright@anderson.edu](mailto:jewright@anderson.edu)*  
*[anderson.edu/music-theatre-dance](http://anderson.edu/music-theatre-dance)*

# Academic Support

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## ASPIRE ADVISING PROGRAM

Academic advising at Anderson University is integral to “educating for a life of faith and service in the church and society,” so the advising program is about more than merely selecting classes for an upcoming semester – it also must help students understand and begin to pursue their broader life purpose.

The heart of AU’s advising program isn’t a checklist or catalog. It’s the relationship between the student and his or her advisor. This is a partnership in which both student and advisor have important responsibilities. Advisors can help guide a student’s steps, but student success ultimately requires their careful thought and engagement.

The Anderson University advising program has been designed to encourage and empower students to:

- develop **awareness** of opportunities for their academic, personal and professional growth
- design a multi-year **strategic plan** for selecting classes and complementary on- and off-campus activities and affiliations that enhance their learning experience
- **implement** their academic program and effectively manage the broader area of personal and professional development
- continually **reflect** on and **evaluate** the appropriateness of their current academic and professional-development plan, and modify the plan as goals may change and circumstances require

## STUDENT’S ROLE IN THE ADVISING PROCESS

To ensure students get the best results, they need to take an active role in the process, keeping the following information in mind when doing scheduling or other progression planning:

Accept responsibility for their academic performance. Prepare for each appointment by reviewing the progress they’ve made, preparing the schedule they think they’ll need, and compiling a list of any questions they might have.

- Accept responsibility for deciding which classes to put on their schedule.
- Be attentive to course prerequisites, and be aware of how their planning could be affected by classes that are scheduled on an every-other-year basis.
- Be familiar with AU deadlines, policies and procedures so they can enroll in the classes they want and can make any changes before the deadlines for adding or dropping courses.
- Talk with their advisor about extracurricular activities, internships, job prospects, etc., and develop a list of specific opportunities they might like to pursue.
- Document completion of professional development experiences through their advisor’s Canvas advising page.

## ADVISOR’S ROLE IN THE PROCESS

Students may expect their advisor – as their partner in the advising process – to:

- Be approachable, listen carefully to the student’s questions and concerns, and be responsive to requests for meetings and assistance.
- Understand and explain how the university’s curriculum, requirements, policies and procedures apply to the student’s academic program.
- Provide honest guidance and perspective in the development of attainable educational and professional goals.
- Assist in exploring major and career options that are in keeping with the student’s aptitudes, values and areas of interest.
- Help track student progress in meeting the requirements of their program of study.
- Assist in identifying opportunities for personal growth, including involvement in student organizations, internships and off-campus programs and associations.
- Provide referrals to campus resources (e.g., Center for Career and Calling) that can assist students in achieving their goals.
- Maintain strict confidentiality pursuant to FERPA regulations.

## **ALPHA PROGRAM**

Anderson University believes that all students entering the institution deserve a fair chance to succeed. In turn, success depends on students being adequately prepared to meet the rigors of college-level study. The ALPHA program is designed to support students who have the potential to succeed but have not fully developed the skills necessary for collegiate success.

In considering new student applications, the committee for admissions carefully reviews several sources that serve as indicators of collegiate success. Based on these academic records, scholastic aptitude scores, and recommendations, the admissions committee may accept students conditionally for participation in the ALPHA program. As part of the program, students are expected to participate in a pre-collegiate orientation designed to acclimate students to campus before the beginning of classes. During the fall semester, participants are limited to enrolling in a maximum of 12-15 hours (depending on the major). In addition, these students are required to enroll in LART 1010 (Strategies for Academic Success), a three-credit-hour course focusing on academic, study, and life skills necessary for success in college.

## **BRIDGES PROGRAM**

Anderson University offers a full-service program for students with specific learning disabilities and/or ADHD to help them achieve their academic goals. The Bridges program is designed to create an educational environment that provides the necessary accommodations to facilitate success while helping students develop skills that lead to future independence.

The program includes a 2-credit-hour college survival skills class which provides an extra layer of support during the transitions of the first semester. It is the philosophy of Anderson University that those students who are qualified and have a sincere motivation to complete a college education should be given every opportunity to work toward that goal. With an appreciation for individual learning styles, the university provides an atmosphere and environment that allow students with learning disabilities and/or ADHD to pursue their goals in a non-threatening and supportive environment.

Applicants for this program should contact Teresa Coplin, director of disability services for students, Kissinger Academic Center for Excellence, Anderson University, Anderson, IN 46012, (765) 641-4223.

Services may include, but are not limited to, the following:

- reasonable accommodations
- study-skills instruction
- time-management guidance
- emotional intelligence instruction
- advocacy/liaison
- scheduling assistance
- academic counseling
- study groups/tutoring (via the Kissinger Academic Center for Excellence)

## **DISABILITY SERVICES FOR STUDENTS**

Anderson University offers learning-support services for all students who qualify under the ADAAA/Section 504 of the Rehabilitation Act of 1973. To secure reasonable accommodations, students must notify the appropriate institutional representative of the disability, provide current documentation of the disability, and request the specific accommodations needed. Certain accommodations may require advance notice to the director of disability services for students.

Documentation/evaluations must be completed by an appropriately trained professional and provide information about the current impact of the disability.

Documentation/evaluations should also include recommendations for appropriate accommodations. The institution must be given reasonable opportunity to evaluate requests. Accommodations are considered based on individual need. Accommodations may be denied in cases that cause an undue burden to the institution or that fundamentally alter the nature of the program.

Students requesting reasonable accommodations or learning-support services should contact Teresa Coplin, director of disability services for students, Kissinger Academic Center for Excellence, (765) 641-4223, [tjcoplin@anderson.edu](mailto:tjcoplin@anderson.edu).

## KISSINGER ACADEMIC CENTER FOR EXCELLENCE

The KACE promotes academic success and excellence by providing a variety of free services for all Anderson University students. The center has individual and group-oriented resources, including self-directed, audio, audio-visual, and computer-assisted instructional support materials. The center focuses on helping all students achieve and/or exceed their academic goals. This assistance may be related to specific courses; to the improvement of skills, including reading, writing, and specific study skill competencies; and to preparing for special exams, such as the Core and Casa. From peer and online tutoring and study groups for virtually all courses to general assistance with reading and study skills, the center staff is eager to help students with their academic goals. In addition, Disability Services for Students is located within the center.

## Academic Enrichment

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### CCCU OFF-CAMPUS STUDY PROGRAM

Anderson University is a member of the Council for Christian Colleges and Universities (CCCU), an organization of more than 180 colleges and universities. Through this membership, students are eligible to apply for a number of off-campus study programs through their BestSemester Program. For more information, visit [bestsemester.com](http://bestsemester.com) or contact the University Registrar.

### CENTER FOR CAREER AND CALLING

The Center for Career and Calling assists students in selecting a major and/or career path based on individual personalities, skills, abilities, and interests. To prepare for a competitive and rapidly changing job market, students may take advantage of one-on-one coaching appointments, résumé reviews, resources for networking and job search strategies, employer information sessions, career fair opportunities, and the Career and Life Planning class (LART 1200) offered the second half of Semester I. Additional information is available at [anderson.edu/career](http://anderson.edu/career).

### CENTER FOR PUBLIC SERVICE

The Center for Public Service (CPS) is a highly selective honors program for exceptional students preparing for careers in public service. Established in 1972 through a generous grant from the Lilly Endowment, CPS helps students prepare for their public service careers through membership in professional organizations, attendance at professional conferences, internships, off-campus study, and connections with public service professionals working in the area of their career interest. CPS Fellows also use the program to develop a public service ethic, increase their awareness of societal needs, and gain firsthand knowledge of their career before graduation. The center's approach is purposely flexible and individualized. Membership in CPS is highly competitive and based on a comprehensive application process. Students of sophomore standing or above with a GPA of at least 3.40 are eligible to apply. For more information, contact CPS at [cps@anderson.edu](mailto:cps@anderson.edu).

### CHICAGO CENTER

Chicago Center semester and summer programs offer the opportunity for students from all majors to live and learn in Chicago while earning credit toward graduation. Three components comprise the program, including an internship in an urban organization, an independent study project that is related to the internship, and a course on urban issues. Students arrange their individualized program in cooperation with the AU campus liaison and Chicago Center staff. While in Chicago, students live and study with individuals from other small Midwest church-affiliated colleges and universities. The campus liaison is a faculty member from the Department of Social Work, Criminal Justice, and Family Science.

### DEPARTMENTAL HONORS

Students also may earn honors in the departments in which they do their major work. A student must attain a 3.0 GPA in all courses, a 3.5 GPA in all courses taken in a department, and must fulfill the specific departmental requirements. Annually, each department may have at least one student receiving departmental honors; the maximum number receiving honors is approximately 10 percent of the graduates in the department. Departmental and institutional honors are open only to students pursuing a bachelor's degree and are awarded after all work for the degree is completed.

## HONOR SOCIETIES

Anderson University has chosen to participate in a number of national academic honor societies. Students whose academic achievement is sufficiently meritorious will be invited to join an honor society (or societies) based on overall grade point average and academic major. National academic honor society chapters fostering the pursuit of scholarship at AU include the following:

- Alpha Chi (top 10 percent of juniors and seniors maintaining a GPA of 3.7 or higher)
- Phi Eta Sigma (freshmen)
- Alpha Kappa Delta (sociology)
- Alpha Mu Gamma (foreign languages)
- Delta Mu Delta (business)
- Iota Tau Alpha (athletic training)
- Kappa Delta Pi (education)
- Kappa Mu Epsilon (mathematics)
- Phi Alpha (social work)
- Phi Alpha Theta (history)
- Pi Kappa Lambda (music)
- Pi Sigma Alpha (political science)
- Psi Chi (psychology)
- Sigma Tau Delta (English)
- Sigma Theta Tau (nursing)
- Sigma Zeta - Upsilon chapter (mathematics and science)

## HONORS STUDY

Honors study at Anderson University varies by department. In general, such study may take the form of advanced placement, institutional credit by examination, special sections in some courses, certain reading courses, tutorials, seminars, and individual study.

In some instances, honors study begins at the freshman and sophomore levels, particularly advanced placement and special sections. Seminars and individual study are usually implemented at the junior and senior levels. Special reading courses and tutorials may be taken at either level.

At any level, the primary purpose of honors study is not acceleration but enrichment in both scope and depth. Students considering honors study should consult their advisors or the university registrar.

For more information on honors study at Anderson University, see the Honors Program section under Courses of Instruction in this catalog.

## INTERCOLLEGIATE ATHLETICS

Anderson University sponsors 20 intercollegiate athletic teams (10 men's and 10 women's teams) within the mission of the university and the NCAA Division III philosophy. The athletic program is understood as integral to the academic program, with the primary emphasis on the student-athlete. The department of athletics strives to recruit students who meet the academic standards and value the ethos of the university. For more information, visit [athletics.anderson.edu](http://athletics.anderson.edu) or contact the athletic director.

## SUMMER STUDY

The summer school program offers students the possibility of attaining a full semester's credit by participating throughout the entire summer term in a variety of delivery formats (e.g. face-to-face, blended, or online). Generally, summer classes are offered in either two 7-week sessions or one 14-week session.

Also possible in summer are specially arranged courses such as directed studies, and TRI-S programs. These courses are arranged to help students meet educational goals during the summer without requiring an on-campus presence.

The summer school schedule of classes lists course offerings and information about other educational opportunities. Students wanting to enroll in summer classes should contact their academic advisors to determine courses that will fulfill graduation or other requirements. Additionally, students wanting to take summer courses must meet with their financial aid counselors before registering for classes. Students planning coursework elsewhere during the summer should consult the registrar's office.

### **TRI-S AND STUDY ABROAD**

The TRI-S and Study Abroad Office serves as a resource for students interested in study abroad, international or intercultural internships, or short-term service/learning experiences (TRI-S). The Tri-S and Study Abroad staff maintains and directs a wide range of semester and summer programs focused on developing intercultural competence and assists students in integrating an international or intercultural study experience with their degree program at Anderson University. They also advise students regarding the various aspects of international and intercultural study, including program selection, visas and travel documents, financial aid, safety and security issues, and the transfer of academic credit. Students are encouraged to contact the Tri-S and Study Abroad Office early in their degree program when considering international or intercultural study opportunities.

TRI-S (Study, Serve, and Share), short-term study abroad opportunities, seeks to expand the college campus into the world and open challenging and stimulating cross-cultural encounters through international and intercultural learning and service opportunities. Nearly 300 individuals annually volunteer to build, repair, paint, teach, counsel, research, sing, or provide nursing services in Africa, Australia, Asia, Europe, Latin America, the Caribbean, and the United States. These experiences are intensified as students work and/or live with individuals of different cultures. Tri-S programs are offered in the summer, during the international opportunity between semesters, or during spring break week.

# Administration 2020-21

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## **OFFICERS OF THE CORPORATION, 2020-21**

John S. Pistole	<i>President</i>
Marie S. Morris	<i>Vice President</i>
Jennifer E. Hunt	<i>Secretary</i>
Brock A. Vaughters	<i>Treasurer</i>
Ronda S. Reemer	<i>Assistant Secretary</i>
Suahil R. Housholder	<i>Assistant Treasurer</i>

## **PRESIDENT'S CABINET, 2020-21**

John S. Pistole	<i>President</i>
Marie S. Morris	<i>Provost</i>
Daniel A. Courtney	<i>Special Assistant to the President</i>
Jennifer E. Hunt	<i>Vice President for Advancement</i>
Heather A. Kim	<i>Vice President for Enrollment, Marketing and Communication</i>
Brock A. Vaughters	<i>Vice President for Finance and Treasurer</i>

## **ACADEMIC CABINET, 2020-21**

Marie S. Morris	<i>Provost</i>
Joel D. Shrock	<i>Associate Provost and Dean, School of Humanities and Behavioral Science</i>
Christopher D. Luekenga	<i>Assistant Provost and Dean of Students</i>
Michael E. Collette	<i>Dean, Falls School of Business</i>
Jeffrey E. Wright	<i>Dean, School of Music, Theatre, and Dance</i>
Lynn M. Schmidt	<i>Dean, School of Nursing and Kinesiology</i>
Chad E. Wallace	<i>Dean, School of Science and Engineering</i>
MaryAnn Hawkins	<i>Dean, School of Theology and Christian Ministry</i>
Janet L. Brewer	<i>Director, University Libraries</i>

## **EXECUTIVE COMMITTEE OF THE BOARD OF TRUSTEES, 2020-21**

Patricia Seasor Bailey	<i>Chair</i>
Dennis D. Carroll	<i>Vice Chair</i>
D. Kyle DeFur	
Michele L. Jackson	
Terry S. McCardwell	
Charles J. Myricks, Jr.	
Erin M. Taylor	

## UNIVERSITY TRUSTEES

### Term Expires in 2021

Dennis D. Carroll	<i>Fortville, Ind.</i>
Erin N. Coffman	<i>Pendleton, Ind.</i>
David E. Cox	<i>Brookville, Ohio</i>
Kevin W. Earley	<i>Romulus, Mich.</i>
Deidre D. Franklin	<i>Bray, Okla.</i>
James W. Giesler	<i>Madeira Beach, Fla.</i>
Martin D. Grubbs	<i>Edmond, Okla.</i>
Kimberly Leach Johnson	<i>Naples, Fla.</i>
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Guy F. Perry, Jr.	<i>Indianapolis, Ind.</i>
Vernon K. Smith	<i>Scottsdale, Ariz.</i>
Rodney K. Stafford	<i>Fairfax, Va.</i>
Erin M. Taylor	<i>Alma, Mich.</i>

### Term Expires in 2023

Patricia Seabor Bailey	<i>Carmel, Ind.</i>
Charles R. Carroll	<i>Nashville, Tenn.</i>
James R. Cook	<i>Carmel, Ind.</i>
D. Kyle DeFur	<i>Fishers, Ind.</i>
Donna A. Harman	<i>Reston, Va.</i>
Michele L. Jackson	<i>Fishers, Ind.</i>
Mary E. Jamerson	<i>Anderson, Ind.</i>
Jeffrey A. Jenness	<i>Noblesville, Ind.</i>
Terry S. McCardwell	<i>Carmel, Ind.</i>
Charles J. Myricks, Jr.	<i>Akron, Ohio</i>
Rudolph R. Pyle, III	<i>Anderson, Ind.</i>
Steven L. Rennick	<i>Colorado Springs, Co.</i>
John P. Sanders	<i>Arlington, Va.</i>
Lloyd B. Schnuck, Jr.	<i>Martinez, Ga.</i>
Paul A. Strozier	<i>Anderson, Ind.</i>
Beth S. Tharpe	<i>Anderson, Ind.</i>
John L. Wechsler	<i>Fishers, Ind.</i>

### Term Expires in 2025

John S. Pistole	<i>Anderson, Ind.</i>
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# Faculty

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## Full Time 2021-22

*[Date in brackets indicates year of first appointment to Anderson University full-time faculty]*

### **John S. Pistle [2015]**

*President*

BA, Anderson University;  
JD, Indiana University;  
HDL, Anderson University

### **Michael John Bailey [2000]**

*Assistant Professor of Biology*

BS, Sterling College;  
MA, Ball State University

### **David Allen Baird [1990]**

*Chair, Department of Communication and  
Design Arts; Professor of Communication*

BA, Anderson University;  
MA, Wheaton College Graduate School;  
PhD, Purdue University

### **Caroline Baker [2019]**

*Assistant Professor of Mechanical Engineering*

BS, Pensacola Christian College;  
MS, North Carolina State University;  
PhD candidate, Purdue University

### **Rebekah I. Baker [2006]**

*Associate Professor of Education*

BA, Anderson University;  
MS, Butler University;  
PhD, Ball State University

### **Lolene Bargerstock [2004]**

*Professor of Social Work;  
Director, Social Work Program*

BA, Anderson University;  
MSW, Indiana University;  
PhD, Western Michigan University

### **James Bell [2014]**

*Associate Professor of Library Science;  
Reference Librarian*

BA, Azusa Pacific University; MLS, Indiana  
University-Purdue University Indianapolis;  
EdD (in progress), Indiana University

### **Janell R. Blunt [2017]**

*Assistant Professor of Psychology*

BA, MS, PhD, Purdue University

### **Joani Somppi Brandon [1999]**

*Professor of Music*

BA, Anderson University;  
MM, Butler University;  
DMA, Boston University

### **Janet Lynn Brewer [2003]**

*Director of Libraries; Professor of Library Science*

BA, Anderson University; MS, University of Illinois;  
MSLS, Simmons College; PhD, University of Kentucky

### **Jonathan Evan Brooks [2001]**

*Professor of Music*

BA, Erskine College;  
MM, Indiana University;  
PhD, University of North Texas

### **Fredrick Wayne Burnett [1976]**

*Chair, Department of Christian Ministry;  
Professor of Religion*

BA, Anderson University;  
MDiv, Anderson University School of Theology;  
DMin, MA, PhD, Vanderbilt University

### **Scott Richard Carr [2001]**

*Professor of Chemistry*

BA, Taylor University;  
PhD, Miami University

### **Rebecca Ann Chappell [1993]**

*Professor of Music*

BA, Anderson University;  
MM, Oklahoma City University;  
DA, Ball State University

### **Carrie Clay [2002]**

*Assistant Professor of Spanish*

*Director, General Studies*  
BA, Anderson University;  
MA, Middlebury College

### **Michael Edward Collette [1977]**

*Dean, Falls School of Business,*

*Professor of Management*  
BBA, MS, University of Wisconsin-Whitewater;  
EdD, Indiana University

### **David Coolidge [2014]**

*Associate Professor of Musical Theatre*

BFA, University of Cincinnati College  
Conservatory of Music;  
MFA, University of N. Carolina Greensboro

### **Sarah M. Cox [2016]**

*Associate Professor of Nursing*

BA, Warner Southern College;  
BSN, Grand Canyon University;  
MSN, University of St. Francis;  
DNP (in progress), Northern Kentucky University

**Jonathan Craton [2019]**

*Chair, Department of Computer Science;  
Assistant Professor of Computer Science*  
BS, MA, Taylor University;  
MS, Dakota State University

**Emily Day [2019]**

*Assistant Professor of Athletic Training*  
BA, Franklin College;  
MEd, Campbell University

**Brian Richard Dirck [1998]**

*Professor of History*  
BA, University of Central Arkansas;  
MA, Rice University;  
PhD, University of Kansas

**Emmett Allan Dulaney [2006]**

*Professor of Marketing*  
BS, Ball State University;  
MBA, DBA, Anderson University

**Christina L. K. Eaton [2013]**

*Assistant Professor of Nursing*  
BSN, MSN, Anderson University;  
EdD (in progress), University of S. Carolina

**Peter Elliott [2012]**

*Assistant Professor of English*  
BA, Lawrence University; BA, Purdue University;  
MAE, Ball State University

**Anna C. Epperly [2015]**

*Assistant Professor of Education*  
BA, MAE, EdD, Ball State University

**Deborah Miller Fox [2004]**

*Professor of English;  
Chair, Department of English  
Co-Director, Honors Program*  
BA, Anderson University;  
MA, Kansas State University;  
MFA, Spaulding University

**Jerrald Mark Fox [1985]**

*Professor of Management*  
BA, Anderson University;  
CFP, College for Financial Planning;  
MBA, Indiana University;  
PhD, The Union Institute

**Timothy R. Fox [1998]**

*Chair, Department of Modern Foreign  
Languages and Cultures; Professor of Spanish*  
BA, Anderson University; MA, Anderson University;  
School of Theology; MA, Ball State University;  
PhD, Purdue University

**Michael W. Frank [2001]**

*Professor of Political Science; Pre-Law Advisor;  
Director, Center for Public Service*  
BA, Northern Illinois University;  
PhD, University of Illinois

**Randall Gray [2019]**

*Instructor of Nursing*  
BSN, Anderson University

**Brandon Leigh Grayson [2011]**

*Professor of Spanish*  
BA, University of Tulsa; MA, Notre Dame;  
PhD, Washington University in St. Louis

**G. Lee Griffith [1977]**

*Professor of Psychology*  
BA, Cedarville College;  
MA, PhD, University of Texas

**Christopher J. Hamlyn [2015]**

*Chair, Department of Kinesiology;  
Director, Athletic Training Program;  
Associate Professor of Athletic Training*  
BS, Manchester College; MS, Indiana University;  
EdD, Ball State University

**Theodore Hicks [2021]**

*Assistant Professor of Music*  
BM, Anderson University;  
MM, Ball State University;  
DA (in progress), Ball State University

**Jason A. Higgs [2015]**

*Associate Professor of Visual Communication*  
BFA, Herron School of Art and Design-IUPUI;  
MFA, Ball State University

**Jay Jon Hochstetler [2007]**

*Professor of Management*  
BA, Goshen College;  
MBA, Indiana University;  
EdD, Ball State University;  
PhD, North Central University

**Cortney Hofer [2018]**

*Assistant Professor of Nursing*  
BSN, Olivet Nazarene University;  
MSN, Anderson University

**Christopher Holmes [2010]**

*Associate Professor of Music*  
BM, University of Texas at Arlington;  
MM, Baylor University;  
PhD, Indiana University

**Elizabeth Fager Imafuji [2005]**

*Dean, School of Humanities & Behavioral Science;  
Professor of English*  
BA, Ball State University;  
MA, Purdue University;  
PhD, Ball State University

**Daniel Fausto Ippolito [1989]**

*Professor of Biology*  
BS, Yale University;  
PhD, University of Texas at Austin

**Andrew M. Jones [2020]***Assistant Professor of Exercise Science*

BA, Lipscomb University;  
 MS, Northern Michigan University;  
 PhD candidate, Ball State University

**Kyung Shin Kang [2017]***Assistant Professor of Mechanical Engineering*

BS, Kookmin University;  
 MS, PhD, Pohang University

**Scott Brian Kennedy [2005]***Professor of Chemistry and Engineering*

BS, University of Illinois;  
 MS, PhD, University of Massachusetts

**Shane Kirkpatrick [2000]***Professor of Biblical Studies*

BA, Anderson University;  
 MDiv, Princeton Theological Seminary;  
 PhD, University of Notre Dame

**Patricia A. Kline [2014]***Associate Professor of Nursing*

BS, Anderson University;  
 BSN, Ball State University;  
 MSN, Case Western Reserve University;  
 DNP, Indiana University

**Charles Benton Koontz [1985]***Associate Professor of Computer Science*

BA, Purdue University;  
 MA, Ball State University

**Justin J. Lambright [2011]***Professor of Mathematics*

BA, BS, Geneva College;  
 MS, Western Illinois University;  
 PhD, Lehigh University

**Lonnie J. Leeper [2020]***Associate Professor of Finance*

BS, Purdue University;  
 MBA, DBA, Anderson University

**Stefanie K. Leiter [2017]***Assistant Professor of Public Relations*

BA, Anderson University;  
 MS, Purdue University;  
 PhD (in progress), Regent University

**Jason W. Lowmiller [2019]***Assistant Professor of Cybersecurity*

BS, Indiana Wesleyan University;  
 MS, Bellevue University

**Gilbert Lozano [2007]***Professor of Biblical Studies*

BTh, Boa Terra Theological Institute;  
 BA, Warner Pacific College;  
 MDiv, Iliff School of Theology; PhD, University of  
 Denver/Iliff School of Theology

**Doyle John Lucas [1984]***Professor of Business and Economics*

BA, Anderson University;  
 MBA, Ball State University;  
 PhD, Indiana University

**John R. Lugar, Jr. [2016]***Professor of Cinema and Media Arts*

BA, Taylor University;  
 MA, Regent University;  
 JD, Indiana University

**Toya H. Lutterman [2016]***Assistant Professor of Nursing*

BSN, Anderson University  
 MSN, Western Governor's University

**Kimberly Lyle-Ippolito [2000]***Professor of Biology*

BS, Wright State University;  
 MS, PhD, The Ohio State University  
 MTS, Anderson University

**Kimberly S. Majeski [2008]***Associate Professor of Biblical Studies*

BA, Cumberland University;  
 MDiv, DMin, Anderson University School of Theology;  
 MA Theology, University of Notre Dame

**Earlene Masi [2018]***Assistant Professor of Exercise Science*

BS, St. Joseph's College of Maine;  
 MS, Ball State University

**Benjamin D. McPheron [2018]***Associate Professor of Electrical Engineering;*

*Chair, Department of Physical Sciences and Engineering*  
 BSEE, Ohio Northern University;  
 PhD, The Pennsylvania State University

**Cara M. Miller [2011]***Associate Professor of English Composition;*

*Writing Program Director*  
 BA, Anderson University;  
 MA, PhD, Ball State University

**Kari E. Miller [2016]***Assistant Professor of Nursing;*

*Simulation Coordinator*  
 BS, Evangel College;  
 BSN, MSN, Indiana Wesleyan University

**David Thomas Murphy [1992]***Professor of History*

BS, Southern Illinois University;  
 MA, PhD, University of Illinois

**Heather N. Myers [2017]***Instructor of Library Science;*

*Public Services Librarian*  
 BA, Messiah College;  
 MLS, Indiana University

**Sarah M. Neal [2000]**

*Professor of Nursing*  
 BA, BS, Anderson University;  
 MSN, Indiana University;  
 DNP, Indiana State University

**James E. Newton [2020]**

*Assistant Professor of Sports Marketing*  
 BS, MBA, Kent State University

**Dama J. O'Keefe [2020]**

*Assistant Professor of Nursing*  
 BSN, University of Saint Francis;  
 MSN, Indiana Wesleyan University;  
 DNP, Indiana Wesleyan University

**Gene Alan Overstreet [2002]**

*Professor of Christian Education and Ministry*  
 BA, Mid-America Bible College;  
 MDiv, Anderson University School of Theology;  
 DMin, Christian Theological Seminary

**Jason Robert Parks [2008]**

*Associate Professor of English*  
 BA, Anderson University;  
 MA, Butler University;  
 PhD, Ball State University

**Lisa Dawn Pay [1999]**

*Professor of Social Work*  
 BA, Anderson University;  
 MSW, Indiana University

**Melanie S. Peddicord [2011]**

*Professor of Accounting and Business*  
 BA, MBA, DBA, Anderson University

**Francis O. Pianki [1998]**

*Professor of Business Administration*  
 BS, University of Connecticut;  
 MS, University of Arizona;  
 MBA, Pepperdine University;  
 EdD, Indiana University

**Joyce Wehneman Pohlschneider [2016]**

*Associate Professor of Education;  
 Coordinator of Teacher Licensing*  
 BA, Anderson University;  
 MA, Ball State University

**Richard S. Pottorf [2015]**

*Chair, Department of Biology;  
 Assistant Professor of Biochemistry*  
 BA, University of Northern Colorado;  
 PhD, Indiana University

**Matthew Preston [2021]**

*Assistant Professor of Computer Science*  
 BA, Anderson University  
 MTS, Anderson University School of Theology;  
 PhD, Boston University School of Theology

**Wayne Lee Priest [2009]**

*Chair, Department of Psychology;  
 Professor of Psychology*  
 BA, Anderson University  
 MA, Anderson University School of Theology;  
 MA, PhD, Ball State University

**Leroy Andrew Quashie [2008]**

*Professor of Family Science*  
 BA, Warner Southern College;  
 MPH, University of Pittsburgh;  
 MA, PhD, University of Akron

**Elizabeth A. Ranfeld [2011]**

*Associate Professor of English*  
 BA, Taylor University;  
 MFA, University of New Hampshire

**Jaye Lee Rogers [1999]**

*Chair, Department of History and Political Science;  
 Professor of History; Director of Summer Programs;  
 Faculty Director of Assessment*  
 BA, MA, New Mexico State University;  
 PhD, The Union Institute

**Katy Jo Sample [2005]**

*Director of Teacher Education;  
 Associate Professor of Education*  
 BA, Mary Washington College;  
 MEd, PhD, University of Virginia

**Lynn M. Schmidt [2010]**

*Dean, School of Nursing & Kinesiology;  
 Professor of Nursing*  
 BSN, MSN, Ball State University;  
 PhD, Indiana University; CNE

**Dulce Maria Scott [2003]**

*Chair, Department of Social Work, Criminal Justice,  
 and Family Science; Professor of Criminal Justice*  
 BA, University of Massachusetts at  
 Dartmouth; MA, PhD, Brown University

**James Russell Scott [1991]**

*Professor of Kinesiology; Natatorium Director*  
 BBA, MS, Eastern Kentucky University;  
 EdD, Ball State University

**Victoria L. Shaw [2020]**

*Assistant Professor of Marketing*  
 BA, Anderson University;  
 MSc, University of Trento (Italy)

**Hyeon Joon Shin [2014]**

*Associate Professor of Economics*  
 BA, Korea University; MIS, Seoul National  
 University; MA Syracuse University;  
 PhD, Southern Illinois University

**Joel D. Shrock [2005]**

*Provost*  
 BS, MA, Ball State University;  
 PhD, Miami University

**Jeffrey Owen Siemon [2015]**

*Professor of Library Science;  
Electronic Resources Librarian*  
BS, Carnegie-Mellon University;  
MDiv, Princeton Theological Seminary;  
MLS, University of Pittsburgh

**Rachel E. Stoneking [2019]**

*Assistant Professor of Dance*  
BA, MFA, Case Western Reserve University

**Laura Stull [2012]**

*Professor of Psychology;  
Co-Director, Honors Program*  
BA, Anderson University;  
MS, PhD, Indiana University-Purdue  
University Indianapolis

**Connor Sutton [2021]**

*Assistant Professor of Political Science*  
BA, Aquinas College;  
PhD, Wayne State University

**Ray S. Sylvester [2016]**

*Professor of Marketing and Personal Branding*  
BA, Middlesex University;  
MS, City University (London);  
MA, Coventry University;  
PhD, Brunel University London

**Michael Tatom [2018]**

*Assistant Professor of Education*  
BS, Purdue University;  
MS, Indiana University

**Courtney K. Taylor [2011]**

*Chair, Department of Mathematics;  
Professor of Mathematics*  
BA, Anderson University;  
MS, PhD, Purdue University

**Christine Thacker [2017]**

*Instructor of Dance*  
BA, Butler University;  
MA (in progress), Wayne State University

**Denna D. Thompson [2015]**

*Assistant Professor of Nursing*  
BSN, Ball State University;  
MSN, Anderson University

**Vanessa Tijerina [2017]**

*Assistant Professor of Accounting*  
BA, MBA, Anderson University;  
DBA (in progress), George Fox University

**Jeffrey Scott Trotter [2009]**

*Associate Professor of Education*  
BA, Olivet Nazarene University;  
MA, Wheaton College;  
MA, PhD, Ball State University

**Willis Scott Troy [2017]**

*Assistant Professor of Electrical Engineering*  
BS, MS, PhD, Baylor University

**Lee Van Groningen [2012]**

*Professor of Mathematics*  
BA, Trinity Christian College;  
PhD, Michigan State University

**Jason Robert Varner [2016]**

*Assistant Professor of the History of Christianity*  
BA, MTS, Anderson University;  
MLitt, PhD, University of St Andrews

**Chad Everett Wallace [2000]**

*Dean, School of Science and Engineering;  
Professor of Chemistry*  
BA, Anderson University;  
PhD, University of Kentucky

**Adam Waller [2018]**

*Assistant Professor of Music*  
BM, MM, DMA Candidate, Peabody Conservatory

**Christa Jane Welty [2016]**

*Assistant Professor of Library Science;  
Metadata/Reference Librarian*  
BMus, Cornerstone University;  
MLS, Indiana University

**Tanya M. Whiteman [2016]**

*Associate Professor of Athletic Training;  
Clinical Education Coordinator*  
BS, Taylor University;  
MS, California University of Pennsylvania;  
DAT (in progress), A.T. Still University

**Tyler J. Williamson [2020]**

*Assistant Professor of Physics*  
BA, Anderson University;  
PhD (in progress), University of Delaware

**Nathan John Willowby [2016]**

*Dean, School of Theology and Christian Ministry;  
Associate Professor of Theology and Ethics*  
BA, Anderson University;  
MDiv, Duke University Divinity School;  
PhD, Marquette University

**Jeffrey Wright [1995]**

*Dean, School of Music, Theatre, and Dance;  
Professor of Music*  
BM, Georgia State University;  
MM, PhD, Northwestern University

**Erich Yetter [2018]**

*Assistant Professor of Dance*  
BMus, University of Texas;  
MHE, Kaplan University

# Faculty Emeriti

---

**Darrel Annan Austin**

*DA, Professor Emeritus of Mathematics since 2011*

**Kenneth D. Armstrong**

*PhD, Professor Emeritus of Business since 2008*

**John H. Aukerman**

*EdD, Professor Emeritus of Discipleship since 2016*

**Darrel Annan Austin**

*DA, Professor Emeritus of Mathematics since 2011*

**Dale I. Bales**

*PhD, Professor Emeritus of Chemistry since 2008*

**Arlon Alfred Bayliss**

*MA, Professor Emeritus of Art since 2014*

**F. Dale Bengtson**

*DMA, Professor Emeritus of Music since 1995*

**Patricia Ann Bennett**

*DSN, Professor Emerita of Nursing since 2000*

**Donald Gordon Boggs**

*PhD, Professor Emeritus of Communication Arts since 2015*

**Scott Bennett Borders**

*PhD, Professor Emeritus of English since 2021*

**Don Preston Brandon**

*DPE, Professor Emeritus of Kinesiology since 2010*

**Jill Elaine Branscum**

*MLS, Professor Emerita of Library Science since 2016*

**Guy Brewer**

*DMin, PhD, Associate Professor Emeritus of Pastoral Theology since 2016*

**Michael L. Bruce**

*PhD, Professor Emeritus of Marketing since 2020*

**Carl H. Caldwell**

*PhD, Vice President for Academic Affairs and Dean Emeritus since 2009*

**Barry Lee Callen**

*DRel, EdD, University Professor Emeritus of Christian Studies since 2005*

**Shelby Dean Cantley**

*MA, MEd, Professor Emeritus of Library Science since 2014*

**Virginia Lee Chapman**

*PhD, Professor Emerita of Communication Arts since 2016*

**Donald Lee Collins**

*MDiv, Professor Emeritus of Religion since 1997*

**Sharon Kaye Collins**

*MSW, Professor Emerita of Social Work since 2014*

**Shirley King Coolidge**

*MM, Professor Emerita of Music since 2001*

**Elsie Elizabeth Cottingham**

*MLS, Professor Emerita of Library Science since 2000*

**Donald Burgoyne Cruikshank, Jr.**

*PhD, Professor Emeritus of Chemistry and Physics since 2005*

**Jill Newberry Dickerson**

*MA, Professor Emerita of English since 2008*

**Greta Gray Domenic**

*MM, Professor Emerita of Music since 1998*

**Barbara Ann Douglas**

*MA, Professor Emerita of Music since 2005*

**Kathleen Mary Dugan**

*MFA, Professor Emerita of Art since 2015*

**James Lee Edwards**

*PhD, President Emeritus since 2015*

**William John Farnen**

*PhD, Professor Emeritus of Psychology since 2013*

**Nancy Ann Fischer**

*PhD, Professor Emerita of Sociology since 2011*

**Randall Jay Frieling**

*DA, Professor Emeritus of Music since 2017*

**Walter Froese**

*PhD, Professor Emeritus of Church History since 2007*

**Janice Louise Fulkerson**

*EdD, Professor Emerita of Education since 2016*

**Laurel Eldredge Goetzinger**

*MM, Professor Emerita of Music since 2014*

**Paul Henderson Gray**

*MA, Professor Emeritus of Kinesiology since 2012*

**Patricia Ann Griffin**

*MSN, Professor Emerita of Nursing since 2009*

**Dwight Grubbs**

*DMin, Professor Emeritus of Applied Theology since 1995*

**Jerry C. Grubbs**

*EdD, Professor Emeritus of Christian Education since 2001*

**Thomas Richard Harbron**

*MS, Professor Emeritus of Computer Science since 1999*

**Rebecca A. Haskett**

*EdD, Professor Emerita of Business Administration since 2021*

**MaryAnn Hawkins**

*PhD, Professor Emerita of Intercultural Studies since 2021*

**Duane Curtis Hoak**

*EdD, Professor Emeritus of Education since 2001*

**Barbara Hoover**

*MLS, Professor Emerita of Library Science since 2015*

**Rebecca Ann Hull**

*EdD, Professor Emerita of Kinesiology since 2014*

**Delano Blake Janutolo**

*PhD, Professor Emeritus of Biology since 2014*

**Patricia Ann Janutolo**

*MLS, Professor Emerita of Library Science since 2008*

**Ronald Johnstone**

*MA, Professor Emeritus of Communication since 2014*

**Barbara A. Jones**

*EdD, Professor Emerita of Education since 1999*

**Diana Lynn Jones**

*PhD, Professor Emerita of Kinesiology since 2021*

**Bonnie Karen Landis**

*MA, Assistant Professor Emerita of English since 2010*

**Curtis Knowlton Leech**

*PhD, Professor Emeritus of Psychology since 2009*

**Juanita Evans Leonard**

*PhD, Professor Emerita of Christian Mission since 2006*

**Jack Charles Lewis**

*PhD, Professor Emeritus of Sociology and Social Work since 1997*

**James Wilton Lewis**

*PhD, Professor Emeritus of Theology and Ethics since 2016*

**Bruce Kevin Mac Murray**

*PhD, Professor Emeritus of Sociology and Criminal Justice since 2016*

**Elizabeth Darlene Miller**

*EdD, Professor Emerita of Education since 2001*

**Patricia Ann Miller**

*MA, Associate Professor Emerita of Kinesiology since 2004*

**Frederic George Milley**

*PhD, Professor Emeritus of English since 2005*

**James Otis Morehead**

*MA, Professor Emeritus of Communication Arts since 2016*

**Mark Stephen Murray**

*DM, Professor Emeritus of Music since 2017*

**Michele Crews Murray**

*MM, Professor Emerita of Music since 2014*

**John Douglas Nelson**

*PhD, Professor Emeritus of Political Science since 2008*

**Jan Etherington Newbold**

*MA, Assistant Professor Emerita of French since 2011*

**Zola Troutman Noble**

*MS, Assistant Professor Emerita of English since 2012*

**Martin LaVern Norris**

*PhD, Professor Emeritus of Sociology since 1992*

**Cynthia Lash Peck**

*MBA, CPA, Associate Professor Emerita of Accounting since 2016*

**Onkar Singh Phalora**

*DVM, PhD, Professor Emeritus of Biology since 2000*

**Cynthia Louise Poikonen**

*MS, Assistant Professor Emerita of English since 2011*

**Kevin Paul Radaker**

*PhD, Professor Emeritus of English since 2021*

**Imogene Gretchen Rhule**

*MA, Assistant Professor Emerita of English since 2003*

**Steven Dewain Risinger**

*MA, Professor Emeritus of Kinesiology since 2016*

**Barry Clinton Ritchey**

*PhD, Professor Emeritus of Economics since 2014*

**Fritz Soule Robertson**

*DA, Professor Emeritus of Music since 2021*

**Gary William Robinson**

*EdD, Professor Emeritus of Education since 2015*

**Reginald Gilliam Rodgers**

*DMA, Professor Emeritus of Music since 2017*

**James Paul Rouintree**

*EdD, Professor Emeritus of Music since 1998*

**Kevin Ray Rudynski**

*MFA, Professor Emeritus of Art since 2015*

**Kenneth Glen Ryden**

*MFA, Professor Emeritus of Art since 2011*

**David L. Sebastian**

*DMin, Dean Emeritus since 2014*

**J. Douglas Seelbach**

*PhD, Professor Emeritus of Kinesiology since 2018*

**Lawrence Bruce Shaffer**

*PhD, Professor Emeritus of Physics since 2000*

**Fredrick Harold Shively**

*DMin, Professor Emeritus of Religion since 2013*

**Sally Jo Shulmistras**

*MA, Professor Emerita of French since 2014*

**Jerry Eugene Sipe**

*PhD, Professor Emeritus of Biology and Chemistry since 2005*

**Richard Eugene Snyder**

*CAS, Professor Emeritus of Library Science since 2003*

**Richard Louis Sowers**

*DMA, Professor Emeritus of Music since 2021*

**Lynn Spencer Spaulding**

*MDiv, Professor Emeritus of Biblical Studies since 2014*

**Sue Ellen Spaulding**

*MAT, Assistant Professor Emerita of English since 2008*

**Stanley Laverne Stephens**

*PhD, Professor Emeritus of Mathematics since 2011*

**Theodore A. Stoneberg**

*PhD, Professor Emeritus of Pastoral Care since 2006*

**Merle Dennis Strege**

*ThD, Professor Emeritus of Historical Theology since 2016*

**Linda K. Swindell**

*PhD, Professor Emerita of Psychology since 2012*

**Susan Lynnette Taylor**

*DA, Professor Emerita of Music since 2016*

**Kenneth Vernon Turner, Jr.**

*PhD, Professor Emeritus of Mathematics since 2012*

**Douglas E. Welch**

*DMiss, Professor Emeritus of Christian Mission since 1999*

**Michael D. Wiese**

*PhD, Professor Emeritus of Marketing since 2017*

**Joe Keith Womack**

*MSW, Professor Emeritus of Sociology and Social Work since 1999*

**Richard Morrison Young**

*PhD, Professor Emeritus of Physical Education, Health, and Sport since 2000*

**Judith Ann Zinszer**

*MA, Assistant Professor Emerita of Spanish since 2006*

# Academic and Student Support

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*A directory of Anderson University staff is available on the website at [directory.anderson.edu](http://directory.anderson.edu).*

**Janet Brewer**

*Director of Libraries*

**Teresa Coplin**

*Director, Disability Services for Students*

**Brent Doster**

*Academic Support Coach, Undergraduates*

**Rick Garrett**

*Director, Police and Security Services*

**Christal Helvering**

*Director, Counseling Services*

**Arthur Leak**

*University Registrar*

**Christina Maggart**

*Director, Financial Aid and Scholarships*

**Dustin Martin**

*Manager, Campus Bookstore  
[Tree of Life]*

**Blake Milakis**

*Director, AU Food Services  
[Compass Group/Chartwells]*

**Ginger Miller**

*Mail Center/Cashier*

**Stephanie Moran**

*Director, Adult Studies*

**Becca Palmer**

*Director, Spiritual Formation*

**Maggie Platt**

*Director, Residence Life and Student Conduct*

**Ramiro Rancones, Jr.**

*Director, Conference and Event Services*

**Dianna Stankiewicz**

*Director, Learning Assistance Programs*

**Tim States**

*Director, Work Life Engagement (HR)*

**Marchell Taylor**

*Director, Intercollegiate Athletics*

**Michael Thigpen**

*Chief Diversity Officer; Director of Cultural Resource  
Center/International and Multicultural Student Services*

**Michael Tucker**

*Executive Director, Information Technology Services*

**Andrew Watkins**

*Academic Success Coach, Adult Studies*

**Kimberly Hull Wolfe**

*Director, Institutional Research and Effectiveness*

# INDEX

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