



ANDERSON UNIVERSITY

Advising Manual



Paula Blount

Director,
Educational Support Services and Student Success



Dear Advisor:

Educational Support Services attempts to help advisors and students understand and negotiate the institution's academic rules, regulations, and requirements to enable the student to achieve their academic goal and to fulfill the university's mission "to educate."

The material contained in this manual is designed to provide you, the advisor, with vital information that will help you during the advising process. The hope is that this handbook will answer questions you might have regarding advising; however, if you should have any questions that are not adequately addressed, please contact Educational Support Services.

Thank you for your time, effort, and interest in the advising process. We cannot address the advising needs of our students without you.

Paula Blount,

Director, Student Success and Educational Support Services

<http://www.anderson.edu/academics/support/>

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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

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.

GENERAL ADVISING INFORMATION

LIBERAL ARTS SPECIFIC POLICIES

(page 38 of the 2022-23 Catalog)

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 components during the first college year.

WRITTEN COMMUNICATION

(page 38 of the 2022-23 Catalog)

Students must enroll in the appropriate writing skills course (ENGL 1100 or 1110 and 1120) every consecutive semester until they have met the Written Communication requirement.

Students should check with their major department to see what grade is expected in English to meet graduation requirements. **For most majors, a grade of C- is sufficient, but for some majors (like Education) a grade of C or better is required.** Writing Intensive classes require passing ENGL 1120 as a prerequisite.

QUANTITATIVE REASONING

For students to be able to meet the pre-requisite for the Quantitative Reasoning Liberal Arts area, they must show math proficiency. Math proficiency can be demonstrated in any of the following ways:

- 510 SAT - 23 ACT - 540 MSS or above in the math portion.
- Pass Anderson University math placement exam.
- Successfully complete MATH 1000 at Anderson University.
- Transfer in a math class that fulfills the F5 Quantitative Reasoning area or complete an approved Associates Degree prior to enrolling in classes at AU.

MATH 1000 is not counted for the Liberal Arts curriculum (an additional course is needed to fulfill Liberal Arts). **If MATH 1000 is needed, it must precede all other F5 Quantitative Reasoning area courses and must be completed with a grade of “CR” to graduate.**

FOREIGN LANGUAGE

(page 38 of the 2022-23 Catalog)

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 FIRST YEAR EXPERIENCE PROGRAM

(page 38 of the 2022-23 Catalog)

The first year experience (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.

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 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 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 the 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 Honors Program satisfies 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.

Liberal Arts areas NOT covered by Honors classes:

- F2 Civil Discourse & Critical Reasoning
- F4 COMM 1000
- F5 Quantitative Reasoning
- F6 Biblical Literacy
- F7 Personal Wellness
- W4 Aesthetic Ways of Knowing—1 hr. Experiential course
- W6 Modern Foreign Language
- One writing intensive class

MAJOR AND MINORS

(page 31 of the 2022-23 Catalog)

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 2.00 is required for all courses applied to the major or area of concentration.

Students completing two or more majors may present no more than 15 hours common to those majors. To be awarded a major, students must complete at least 50 percent of all coursework in residence at Anderson University.

DECLARATION OF MAJOR AND MINOR

(page 31 of the 2022-23 Catalog)

Students need to file a Declaration of Major/Minor form with the Office of Educational Support Services. 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.

Declaration of Major form can be found at: <https://etcentral.anderson.edu/#/form/37>

CHANGE OF MAJOR/MINOR

To change majors or minors, students must file a Change of Declaration form with the Office of Educational Support Services at the earliest possible date.

Change of Major/Minor forms are available at <https://etcentral.anderson.edu/#/form/40>

MAJOR COURSEWORK AND LIBERAL ARTS OVERLAP

(page 31 - 32 of the 2022-23 Catalog)

A major is a concentration of related courses designed to provide individual depth within a discipline or a recognized field of study. It is a grouping of 26-54 hours with a minimum of 26 hours from the host department and a maximum of 36 hours from a single discipline or recognized field of study. Prior to the 15-17 catalog, the following overlap rules applied:

1. Majors not exceeding 36 hours: up to 4 hours of Liberal Arts credit may apply.
2. Majors between 37 and 44 hours: up to 8 hours of Liberal Arts credit may apply.
3. Majors exceeding 44 hours: Distribution credit not to exceed 20% of the major/program.

With the adoption of the new Liberal Arts Core Curriculum (LA) effective fall semester of 2015-16, **there are no limits on double counting Liberal Arts between the CORE and major/minor.** (Page 9 of the Transition Document under Policies, item #2.)

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. (page 31 of the 2022-23 Catalog)

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.

ACADEMIC LOAD

(page 19 of the 2022-23 Catalog)

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 grade point average may register for 19 hours.
- Students with a 3.50 grade point average may register for 20 hours.
- Students with a 3.75 grade point average 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, type of courses to be taken, and demands of employment must also be recognized.

For students who have earned **52 or more hours** (junior status) the prior semester GPA or cumulative GPA may be used to allow students to register for additional hours.

Note:

- Extra tuition fees apply to any overload hours above 18 hours.
- First year students will **not be allowed** to take an overload until they have established an Anderson University grade point average.

COURSE REPETITION POLICY

(page 21 - 22 of the 2022-23 Catalog)

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 college in which each course is offered to grant 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.
- A 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.

WITHDRAWAL FROM COURSES

(page 29 of the 2022-23 Catalog)

Official withdrawal from all courses must be completed by interview with the Dean of Students. The official date of withdrawal will be the date the contact is made. In extenuating circumstances, students may initiate complete withdrawal from all courses by phone or letter to the Office of the University Registrar. The official date of withdrawal will be the date the student last attended and/or participated in course work in any class.

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 advisor or the Office of the University Registrar.

UNIVERSITY INITIATED WITHDRAWAL

(page 29 – 30 of the 2022-23 Catalog)

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 tenth 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.

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

CLASS LEVEL IDENTIFICATION

(page 21 of the 2022-23 Catalog)

Class identification at Anderson University is determined as follows:

Freshmen:	Students who have completed fewer than 24 hours of college credit.
Sophomores:	Students who have completed 24-51 hours of college credit.
Juniors:	Students who have completed 52-87 hours of college credit.
Seniors:	Students who have completed 88 or more hours of college credit.
Lower-Division Students:	Freshmen and Sophomores.
Upper-Division Students:	Juniors and Seniors.
Part time:	Students carrying 1-11 hours.
Special:	Audit, guest students, and high school students.
Special Music:	Children or adults who are taking music lessons but are not doing academic work at the university level.

CREDIT/NON-CREDIT GRADING

(page 25 of the 2022-23 Catalog)

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

(page 25 - 26 of the 2022-23 Catalog)

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:

- 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 in 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.

CLASS REGISTRATION

The first step in the registration process is for students to **schedule an appointment** with their academic advisor or faculty mentor.

Students need to leave their advising appointment with classes put in the enrollment shopping cart.

For further advising information visit the Educational Support Services Website:

<https://anderson.edu/academics/support/faq/>

SPECIAL PERMISSION FORMS

The Special Permission form is a multi-use form. The student will need to fill it out online at <https://etcentral.anderson.edu/#/form/15> and it will be routed through work flow to the appropriate people. Special Permission Forms are used for the following reasons:

- Closed Class
- Departmental Permission/Instructor Permission
- Prerequisite
- Time Conflict

Here is a link to the special permission form if an advisor wants to initiate the process:

<https://etcentral.anderson.edu/#/form/60>

Closed Classes: If a class has reached capacity, the “Closed Class” box must be checked.

Departmental or Instructor Permission: Certain courses require permission from the department or the instructor of the course.

Pre/Co-requisites: When advising, pay attention to whether a course has a pre/co-requisite. This is indicated in the Master Schedule. If students have not met the pre/co-requisite, they will be denied access to the class. If students are to be given permission to override a prerequisite, the “Prerequisite” box will need to be checked along with the signature of the professor of the course and the student’s advisor.

The link to many forms can be found here:

- Go to AccessAU (<https://accessau.anderson.edu>) – do not log in to AccessAU.
- Select “Forms - Office of the Registrar” under the **Links** section.
- Select the “Special Permissions Form.”

TRANSFER STUDENTS

(page 14 of the 2022-23 Catalog)

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

- The admissions committee reserves the right to place students transferring with GPAs below 2.00 on academic probation with a limit of 12 hours per semester for one semester or until a 2.00 GPA is achieved.
- Students must submit transcripts from all colleges attended.
- Students must submit a transfer recommendation form from the college or university most recently attended.

TRANSFER OF CREDIT FROM OTHER INSTITUTIONS

(page 28 - 29 of the 2022-23 Catalog)

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 percent 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 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, although, World Education Services (WES) is the preferred foreign credit evaluator. 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 advance 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.

TRANSFER OF CREDIT - CURRENT STUDENTS

(page 29 of the 2022-23 Catalog)

Students currently enrolled at Anderson University must obtain permission from the University Registrar to take courses elsewhere if they intend to transfer that course work to Anderson University. A "Courses Taken Elsewhere" form is located online at <https://etcentral.anderson.edu/#/form/36>

Or it can be found here:

- Go to AccessAU (<https://accessau.anderson.edu>) – do not log in to AccessAU.
- Select "Forms - Office of the Registrar" under the **Links** section.
- Select the "Request for Course Taken Elsewhere."

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 declared a major need departmental approval as well as the university registrar for courses 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 from 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.

ASSOCIATE DEGREE TRANSFER POLICY

(page 29 of the 2022-23 Catalog)

Any student transferring to Anderson University from a regionally accredited college/university with an Associate of Arts or Associate of Science degree will have completed the AU 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 RESIDENCE REQUIREMENT

(page 28 of the 2022-23 Catalog)

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.

OTHER TRANSFER COMMENTS

Student Transferring from a quarter school: A quarter term is 12 weeks in length while a semester term is typically 16-18 weeks in length. Each quarter hour, therefore, is universally considered to be equal to two-thirds of one semester hour. To convert quarter hours to semester hours, multiply the number of quarter hours by .667 to determine its equivalent in semester hours.

Course work completed must be considered college level work. Typically, courses numbered below 100 are considered remedial and are not transferable to Anderson University. Upper Division courses are typically numbered 300 and above. The Office of the University Registrar will evaluate and determine the applicability of all college credits to be transferred from other institutions.

Click the orange hyper link for the Transfer credits for the new liberal arts curriculum on the Registrars' Office web site: <https://anderson.edu/registrar/transfer-credit/> and select the appropriate school to help determine if a student's Liberal Arts courses from another institution will transfer to Anderson University

MAJOR DEPARTMENT COURSES

Courses taken at another institution, which have transferred to Anderson University, may be applied toward course requirements for the major. The Chair of the academic department in which the student has declared a major will evaluate the student's transcript and make a decision regarding the applicability of transfer work to the major course requirements.

All remaining transfer work for which the student has been granted credit will be counted as elective hours. Please note that Anderson University students need a minimum of **120** hours to graduate.

A very important point to consider is that the transcript evaluator must rely on course titles to determine content area. If a student has any questions regarding the evaluation of the transcript they should contact the Office of the University Registrar. Students can help the process by supplying photocopies of course descriptions or a course syllabus from the academic catalog of the previous college or university. There is also a process to allow for courses to be re-evaluated should a student feel they have already taken a class and it was not counted as such.

- Go to AccessAU (<https://accessau.anderson.edu>) – do not log in to AccessAU.
- Select “Forms - Office of the Registrar” under the **Links** section.
- Select the “Request for Re-Evaluation of Transfer Credits for Liberal Arts.”

PEHS 1000 TESTING OUT PROCEDURE - DEPARTMENT OF KINESIOLOGY

Who is eligible?

New undergraduate freshman or transfer students.

What must be done?

Pass a written exam (100 questions) at C- or better score (70% or better). Pass a 1.5-mile run timed by a member of the DOK. Must pass 3 of 4 additional tests (% Body Fat, Push-Ups, Sit-Ups, Flexibility) at the “good” category level as established by American College of Sports Medicine for age and gender.

When?

Students must complete the written and physical exams before the end of Semester I. Those who matriculate in January have until the end of Semester II to test out.

Restrictions:

- Students must sign a health waiver, and complete a health questionnaire.
- Students must bring a record of current blood pressure.
- Students must pass the written portion BEFORE completing the 1.5-mile run.
- Students may attempt this test only 1 time.

- The waiver is only available to freshman and transfer students. Testing out MUST occur in the first year of attendance.

How to proceed:

- Contact the Department of Kinesiology at (765) 641-4481.
- Register for the written test and successfully pass it.
- Running dates will be announced at written test time.

1.5 Mile Run

<u>Men</u>		<u>Women</u>	
18-29	11:41	18-29	14:24
30-39	12:20	30-39	15:08
40-49	13:14	40-49	15:57
50-59	14:24	50-59	16:58

% Body Fat

<u>Men</u>		<u>Women</u>	
18-29	14%	18-29	20.6%
30-39	17.5%	30-39	21.6%
40-49	19.6%	40-49	24.9%
50-59	21.3%	50-59	28.5%

Push Ups

<u>Men</u>		<u>Women</u>	
18-29	37	18-29	30
30-39	30	30-39	24
40-49	24	40-49	18
50-59	19	50-59	17

1-Minute Sit Up

<u>Men</u>		<u>Women</u>	
18-29	42	18-29	38
30-39	39	30-39	29
40-49	34	40-49	24
50-59	28	50-59	20

Flexibility (Sit & Reach)

<u>Men</u>		<u>Women</u>	
18-29	3.5	18-29	6.5
30-39	2.5	30-39	5.5
40-49	1.5	40-49	4.0
50-59	1.0	50-59	3.5

EDUCATIONAL SUPPORT SERVICES TOOLS

Links to Advising videos

Shopping Cart & Enrolling

<https://www.youtube.com/watch?v=0Wp61kZbDoA>

Academic Requirements

https://www.youtube.com/watch?v=gG_Zh48ta2M&t=6s

From Academic Requirements to Planner

<https://www.youtube.com/watch?v=T2OJsJaVAjI>

Add Classes to Planner

<https://www.youtube.com/watch?v=QV3xfpzqgiw>

Navigating AccessAU

<https://www.youtube.com/watch?v=mIG5XcDMaFs&feature=youtu.be&list=PLQFg2rClmDqrO87cwg2XcgeVAwWDu2zSZ>

Grades, GPA, & Credit Hours

<https://www.youtube.com/watch?v=q117LupyQzA&feature=youtu.be&list=PLQFg2rClmDqrO87cwg2XcgeVAwWDu2zSZ>

What If Report

<https://www.youtube.com/watch?v=pU1HbecjycY&feature=youtu.be&list=PLQFg2rClmDqrO87cwg2XcgeVAwWDu2zSZ>

ONLINE REGISTRATION

What should I check on before I enroll?

Before your appointment time arrives, log into AccessAU to ensure that you do not have any problem logging in.

- Address any holds on your account
- You must acknowledge and **accept the financial terms of the University**. You will be unable to enroll in classes until these terms are accepted. In AccessAU, click on your **Accept Financial Terms Agreement** tile on the AccessAU homepage to accept the terms.

The Financial Responsibility Form must be accepted in order to remove the Financial Responsibility form hold has been placed on your student account. This hold prevents access to transcripts or registration related activities. The hold will be removed within a few minutes of completing the form. You can remove the hold by:

- Logging onto AccessAU Academics
- Clicking the “Financial Terms Agreement” Tile on the homepage
- Reading the document
- Clicking “Accept Financial Terms” button

This information is to help students understand the cost of their education and the financial policies associated with their enrollment at Anderson University. Questions about the Financial Responsibility form hold can be addressed by contacting the Business Office at studentaccount@anderson.edu or by calling (765) 641-4001.

INFORMATION ABOUT EFORMS (ALSO KNOWN AS SOFTDOCS)

The forms that are now electronic were created from the paper forms that were used in the Registrar's Office. Some forms will be initiated by the student and some by the professor. We have created work flows to send the document through the departments/people that need to approve or deny them. Once a form has been submitted, there is no way to delete it without contacting ITS.

To submit a form, users should go to etcentral.anderson.edu and log in with their Anderson email information. Simply click the Google icon in the center of the page and it will ask you which account you want to use to log in with.

Once you are logged in, there are several options:

To begin a new form, select Forms on the left-hand side. This will pull up a list of the forms that are available to you based on your email classification (i.e. faculty, staff, student). Select the form that you want to complete and fill out any information that is not pre-populated. Once you have completed the form, select Submit at the bottom of the page. Depending on the form, you may have options for who to submit the form to, (i.e. you may need to select your advisor or financial aid representative).

Once you have submitted the form, the person that you submitted the form to will receive an email that they have a document to review. They then have the option to approve, deny, refer, or return.

- If they approve the form, it will be moved to the next step in the work flow and the next person will receive a notification email. Depending on the work flow, there could be another step, or it could be the last step. If it is the last step, the person that initiated the form will receive an email update.
- If they deny the form, it will be routed back to the person that initiated it letting them know that the form was denied.
- If they refer the form, it takes it out of the work flow and sends it to the person they select. The person selected will receive an email letting them know that they have a form to review. The form will not move on until the person it was referred or returns it to the work flow.
- The person that receives the form has the option to return it to the previous step, if they feel like more information is needed or something on the form needs to be corrected.

LIBERAL ARTS COURSE DESCRIPTIONS

2022-2023 UNDERGRADUATE CATALOG

FOUNDATION SKILLS: *Requirement: 17-20 hours*

F1. UNDERSTANDING COLLEGE

LART 1050 **First Year 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.

F2. CIVIL DISCOURSE & CRITICAL REASONING 2-4 hrs.

BIOL/PUBH 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. PREREQUISITE: Junior standing. SAME AS: PUBH 3510.

BSNS 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.

CMIN 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.

ENGL 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.

ENGL 3580 **Cross-Cultural American Literatures** **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.

ENGR 2060 **Engineering Ethics** **3 hrs. (3, 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.

HIST 2300 **Historical Inquiry** **3 hrs. (3, 0)**

Examines various approaches to historical research, major bibliographical tools, varieties of history, and philosophies of history.

HNRS 2125 **The Scholar as Servant Leader** **2 hrs. (2, 0)**

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.

LART 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.

MUED 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.

PHIL 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.

PHIL 2120 Ethics 3 hrs. (3, 0)

Classical and contemporary considerations of moral issues and nature and status of ethical theory.

POSC 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.

PSYC 3200 Living the Faith in a Post Christian World 3 hrs. (3, 0)

Classical and contemporary considerations of moral issues and nature and status of ethical theory.

RLGN 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.

SOCI 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. Advisor permission required.

SPED 2400 Introduction to Mild Disabilities 3 hrs. (3, 0)

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.

F3. WRITTEN COMMUNICATION (Grades of C- or better required to fulfill this area.)

ENGL 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.

ENGL 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.

ENGL 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

HNRS 2110 Honors Literature and History 5 hrs. (5, 0)

Focuses on historical investigation and reading and writing on a common theme. Open to Honors program students only. EXPECTATION: C- or better, to full the Written Communication portion of the Liberal Arts Core Curriculum.

TWO WRITING INTENSIVE (WI) COURSES (*beyond ENGL 1120 or HNRS 2110-prerequisite*)

To emphasize the importance of writing both as an essential skill and as a tool for learning, the university requires every student to complete two writing-intensive (WI) courses beyond ENGL 1120. At least one WI course must be upper division. (List of Writing Intensive Courses at the end of this document.)

F4. SPEAKING and LISTENING Requirement: 3 hours

COMM 1000 Introduction to Speech Communication 3 hrs. (3, 0)
Fundamentals of communication with emphasis on interpersonal, small group, and public communication experiences.
OFFERED: Sem. I, II; summer.

SPEAKING INTENSIVE (SI) COURSE

One Oral Communications Intensive class course beyond COMM 1000 (see list at end of this document.)

(Opportunity to waive COMM 1000 available based on department criteria. See the Department of Communication and Design Arts for more information)

F5. QUANTITATIVE REASONING Requirement: 3 hours

CPSC 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 database with emphasis on relational database design and use of SQL, and web software development with emphasis on HTML 5 and CSS. PREREQUISITE: Mathematics proficiency.
OFFERED: Sem. I, II.

CPSC 1200 Introduction to Web Programming 4 hrs. (4, 0)
An introduction to program design and development using HTML, CSS, and JavaScript. Emphasis is on problem solving, algorithm development, and issues related to Web publishing. PREREQUISITE: Mathematics proficiency. OFFERED: With sufficient demand.

CPSC 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. PREREQUISITE: Mathematics proficiency. OFFERED: Sem. I, II.

LEAD 3100 Introduction to Information Systems & Analysis of Data (Adults only) 3 hrs. (3, 0)
This course presents problem analysis and evaluation techniques. Students are shown methods for defining, researching, analyzing, and evaluating a problem in their work or vocational environments that they have selected for independent research projects. Specific statistical information covered in the course includes identifying and measuring objectives, collecting data, working with significance levels, analyzing variance, and constructing questionnaires.

MATH 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.

MATH 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 1300 Finite Mathematics 3 hrs. (3, 0)
Topics include introduction to counting techniques, probability, systems of linear equations and matrices, linear programming, and the mathematics of finance. Does not apply toward mathematics major or minor. PREREQUISITE: Mathematics proficiency. OFFERED: Sem. I, II.

MATH 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 taken from management, life sciences, and social sciences. Not open to students with a grade of C or better in MATH 2010 or its equivalent. Does not apply toward mathematics major or minor. Expectation: Two years of high school algebra. PREREQUISITE: Mathematics proficiency. OFFERED: With sufficient demand.

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.

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.

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.

F6. BIBLICAL LITERACY Requirement: 3 hours

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.
OFFERED: Sem. I, II.

F7. PERSONAL WELLNESS Requirement: 2 hours

(PEHS 1000 test out procedure available for prior practical experience/ theoretical background.)

3 hrs. (3, 0)

This class 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.

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.

2 hrs. (1, 2)

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.

WAYS OF KNOWING: Requirement: 23 hours

W1. CHRISTIAN WAYS OF KNOWING Requirement: 3 hours

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. **PREREQUISITE:** BIBL 2000; upper-division standing. **OFFERED:** Each semester

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 **OFFERED:** Sem. II

3 hrs. (3, 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.

PHIL/RLGN 3250 Ethics & 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. OFFERED: Sem. I.

RLGN 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.

RLGN 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 the concerns. OFFERED: Sem. II.

RLGN 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. OFFERED: Sem. I, II.

W2. SCIENTIFIC WAYS OF KNOWING Requirement: 4 hours

BIOL 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 (online).

BIOL 2070 Humans and the Environment 4 hrs. (3, 3)

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.

BIOL 2080 Flora of Indiana 4 hrs. (3, 2)

Taxonomic study (identification, classification, and nomenclature) of flowering plants of Indiana. OFFERED: Summer.

BIOL 2210 Foundations of Modern Biology I 4 hrs. (3, 4)

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.

CHEM 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.

CHEM 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.

EXSC 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.

HNRS 2210 Scientific Discoveries and Paradigm Shifts 4 hrs. (3, 2)

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. Open to Honors program students only.

PHYS 1000 Physical Science 4 hrs. (3, 2)

Introduction to selected topics in physical science, with emphasis on concepts necessary to teaching science at the elementary school level. Required of all elementary education majors, but also open to other non-science majors. OFFERED: With sufficient demand.

PHYS 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.

PHYS 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.

PHYS 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.

PHYS 2140 General Physics I--Algebra 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. I.

PHYS 2240 General Physics I--Calculus 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. PREREQUISITE: MATH 2010. OFFERED: Sem. II.

PSYC 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 is strongly recommended. PREREQUISITE: PSYC 2000. OFFERED: Sem. I.

W3. CIVIC WAYS OF KNOWING Requirement: 3 hours

HIST 2000 World History 3 hrs. (3, 0)

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. OFFERED: Sem. I.

HIST 2030 Western Civilization I 3 hrs. (3, 0)

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. OFFERED: Sem. I.

HIST 2040 Western Civilization II 3 hrs. (3, 0)

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 16th century to the present. OFFERED: Sem. II.

HIST 2110 American History I 3 hrs. (3, 0)

American civilization from first English settlements through Civil War: artistic, intellectual, literary, social, economic, political, and religious currents in American life. Required of all social studies majors. OFFERED: Sem. I, II.

HIST 2120 American History 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.

HNRS 2110 Honors Literature and History 5 hrs. (5, 0)
Focuses on historical investigation and writing on a common theme. EXPECTATION: C- or better, to full the Written Communication portion of the Liberal Arts Core Curriculum.

POSC 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.

W4. AESTHETIC WAYS OF KNOWING Requirement: 3 hours

AE AESTHETIC INTEGRATIVE COURSES 3 HRS

ARTH 2000 Great Themes in Art 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.

ARTS 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.

ARTS 1230 Painting for Liberal Arts 3 hrs. (3, 0)
Introduction to concepts and processes of painting. Basic problems of space, image and color explored. OFFERED: Sem. I.

ARTS 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.

COMM 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.

ENGL 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.

MUSC 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.

If you did not use one class in the AE area to fulfill the Aesthetic, choose one class from AP (Appreciation) and one from AX (Experiential).

AP AESTHETIC APPRECIATION COURSES 2 HRS

DANC 3510 Period Dance 2 hrs. (2, 0)
Introductory 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: Semester II, summer.

ENGL 2500 Appreciation of the Writing Craft (WI) 2 hrs. (2, 0)
Defines and analyzes the fundamental elements and writing techniques of various creative genres, such as short fiction, poetry, literary non-fiction, and/or drama. Strongly recommended as a prerequisite to ENGL 3110, 3120, or 3180. EXPECTATION: Grade of C or above in ENGL 1120. PREREQUISITE: ENGL 1120. OFFERED: Each semester.

MUED 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: Sem. I, II.

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. CONSENT: Department. OFFERED: Sem. I.

MUSC 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.

THEA 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. II.

AX (EXPERIENTIAL) AESTHETIC APPRECIATION COURSES 1 HRS

DANC 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.

DANC 2120 **Tap II** **1 hr. (2, 0)**
A continuation of Tap I, designed for the intermediate-level 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.

DANC 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. CONSENT: Department. REPEAT: May be repeated for credit. OFFERED: Sem. II.

DANC 1220 **Modern I** **1 hr. (2, 0)**
Introduces students to a wide variety of movement and creates foundation for development of basic skills and technique for dance majors and non-majors. REPEAT: May be repeated for credit. OFFERED: Sem. I, II.

DANC 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.

DANC 3220 **Modern III** **1 hr. (2, 0)**
A continuation of Modern II, this intermediate-level course includes the application of more complex technique principles, with a focus on select techniques, including Graham, Horton, and Humphrey/Limón. CONSENT: Department. REPEAT: May be repeated for credit. OFFERED: Sem. I.

DANC 4220 **Modern IV** **1 hr. (2, 0)**
A continuation of Modern III, this advanced-level course emphasizes speed, retention, variation, and advanced study in the techniques of Graham, Horton, and Humphrey/Limón. PREREQUISITE: DANC 3220. Consent: Department. REPEAT: May be repeated for credit. OFFERED: With sufficient demand.

DANC 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 technique for dance majors and non-majors. REPEAT: May be repeated for credit. OFFERED: Sem. I, II.

DANC 2320 **Jazz II** **1 hr. (3, 0)**
A continuation of Jazz 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.

DANC 3320 **Jazz 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. CONSENT: Department. Repeat: May be repeated for credit. OFFERED: Sem. I, II.

DANC 4320 **Jazz 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. CONSENT: Department. PREREQUISITE: DANC 3320. OFFERED: With sufficient demand.

DANC 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.

DANC 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 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 presentation technique through extension of line, upper body coordination, complex rhythm forms of movement, and advanced petite, grand allegro and variations. CONSENT: Department. REPEAT: May be repeated for credit. OFFERED: Sem. I, II.		
DANC 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: DANCE 3420. CONSENT: Department. REPEAT: May be repeated for credit. OFFERED: With sufficient demand.		
ENGL 2510	Creative Writing Workshop	1 hr. (2, 0)
Offers students a workshop setting in which to experiment with writing techniques to produce original poetry, short fiction, drama, or literary non-fiction. PREREQUISITE: Grade of C or above in ENGL 1120. CO-REQUISITE: ENGL 2500.		
MUPF 1010	Class Lessons in Voice I	1 hr. (1, 0)
Consent: Instructor. OFFERED: Sem. I.		
MUPF 1030	Class Lessons in Piano I	1 hr. (1, 0)
Beginning piano for students not majoring or minoring in music. Enrollment limited to the number of available keyboards. OFFERED: Sem. I, II.		
MUPF 1070-1430	Ensembles.	1 hr
REPEAT: May be repeated for credit.		
MUPF 1110	Gospel Choir	1 hr
REPEAT: May be repeated.		
MUPF 1220	Athletic Band	1 hr
REPEAT: May be repeated.		
MUPF 1410	Class Lessons in Guitar I	1 hr. (1, 0)
REPEAT: May be repeated. OFFERED: Each semester.		
MUPF 1420	Class Lessons in Guitar II	1 hr. (1, 0)
REPEAT: May be repeated. OFFERED: Each semester.		
MUPF 1700-4890	Private Study (voice, piano, instrumental)	1 hr. (1, 0)
CONSENT: Department. REPEAT: May be repeated.		

W5. SOCIAL AND BEHAVIORAL WAYS OF KNOWING Requirement: 3 hours

ECON 2010	Principles of Macroeconomics	3 hrs. (3, 0)
Analysis of modern economic society, including examination of determinants of economic growth, changing price levels, monetary and fiscal policy, distribution of income, public economy, and current problems. PREREQUISITE: Sophomore standing. OFFERED: Sem. I.		
EDUC/PSYC 2110	Educational Psychology	3 hrs. (3, 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. This course is required of all education majors. A grade of C or better is required. OFFERED: Sem. I, II.		
PSYC 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, statistics, counseling, and therapy. Required of all psychology majors and minors. OFFERED: Sem. I, II.		
HNRS 3311	Honors Social Science	3 hrs. (3, 0)
Investigates societal structures and concepts of justice arising from such structures, as well as the impacts on various groups in society. Honors program students only.		

SOCI 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 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 Chicago Center. **OFFERED:** Sem. I, II.

SOCI 2100 Family in Global/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.

LEAD 2300 Social Problems and Their Impact on the Workplace (Adults Only) 3 hrs. (3, 0)
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, illiteracy, and their impact on the contemporary workplace. Consideration is given to diverse sociological perspectives with regard to these problems and their causes, consequences, and solutions.

W6. GLOBAL/INTERCULTURAL WAYS OF KNOWING: Modern Languages Requirement: 4 hours One foreign language course (4) based on departmental placement plus one global/intercultural or additional foreign language course

FREN 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. Placement. **OFFERED:** Sem. I, II.

FREN 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. Placement or FREN 1010. **OFFERED:** Sem. I, II.

FREN 2010 Intermediate French I 4 hrs. (3, 1)
Emphasis on increasing language proficiency in the areas of listening, speaking, reading, and writing through grammar review. Increased emphasis on understanding the diverse Francophone cultures through cultural readings, films, internet, and other sources. Individual online or outside language laboratory work is required. Placement or FREN 1020. **OFFERED:** Sem. II.

FREN 2020 Intermediate French II 4 hrs. (3,1)
Emphasis on increasing language proficiency in the areas of listening, speaking, reading and writing through grammar review. Increased emphasis on understanding the diverse Francophone cultures through cultural readings, films, internet, excerpts from literature, and other sources. Individual online or outside language laboratory work is required. Placement or FREN 2010. **OFFERED:** Sem. II with sufficient demand.

GERM 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. Placement. **OFFERED:** Sem. I, II.

GERM 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 on-line or outside language laboratory work is required. Placement or GERM 1010. **OFFERED:** Sem. II.

GERM 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. Placement or GERM 1020. **OFFERED:** With sufficient demand.

- SPAN 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 language laboratory work is required. Placement. OFFERED: Sem. I, II.
- SPAN 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 language laboratory work is required. Placement or SPAN 1010. OFFERED: Sem. I, II.
- SPAN 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. Placement or SPAN 1020. OFFERED: Sem. I, II.
- SPAN 2020** **Intermediate Spanish II** **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. Placement or SPAN 2020. OFFERED: Sem. I, II.
- SPAN 3010** **Spanish Composition [WI]** **4 hrs. (4, 0)**
This course builds upon intermediate Spanish to introduce students to authentic readings, short films, and songs 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. Placement or SPAN 2020. OFFERED: Sem. I, II.
- MLAN 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 educations all influence the ways in which we use language. This course examines the many ways people use and manipulate language according to their individual backgrounds to make themselves understood and/or to achieve specific goals in different social settings. OFFERED: Sem. II.
- BIBL 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.
- BIBL 2120** **Beginning Hebrew II** **4 hrs. (4, 1)**
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 2110 and BIBL 2120 together fulfill the liberal arts area Global and Intercultural Ways of Knowing: Ancient Foreign Languages. PREREQUISITE: BIBL 2110 or equivalent. OFFERED: Sem. II.
- BIBL 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 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.

* International students who have completed their secondary schooling in a language other than English take either a foreign language course (placement testing may be required) or MLAN 2000.

W7. GLOBAL/INTERCULTURAL WAYS OF KNOWING: Global/Intercultural *Requirement: 3 hours***BIBL 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.

BSNS 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 that are impacting national sovereignty, regionalization, and the balance of economic and political power. OFFERED: Sem. I, II.

COMM 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.

DANC 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. II.

EDUC 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. Grade of C or better required. OFFERED: Summer Session I.

ENGL 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.

ENGR 2080 **Service Through Engineering & 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: Sem. II.

ENGR 2090 **Systems Engineering** **2 hrs. (2, 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. PREREQUISITES: ENGR2001 Intro Engin and 2002 Mech Lab and 2003 Elect/Comp Lab.

HIST 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.

HIST 3190 **The Jewish Holocaust in 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.

HIST 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. II.

HIST 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 influences 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.

HIST 3260 Women in the World, 1800 to Present (WI) 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. PREREQUISITE: Upper-division standing. OFFERED: Sem. I, II.

HIST 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. OFFERED: Sem. I.

HIST/RLGN 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. PREREQUISITE: Upper-division standing. OFFERED: Sem. II.

HIST 3300 Middle East (WI) 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. PREREQUISITE: Upper-division standing. OFFERED: Sem. II

HIST 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. OFFERED: Sem. I.

HIST 3370 General History of Latin America 3 hrs. (3, 0)

Pre-Colombian 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. OFFERED: Sem. II.

HIST 3425 Slavery and Freedom in the Modern World (WI) 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. OFFERED: Sem. I.

HNRS 3221 Traditionalism and Globalization (WI) 3 hrs. (3, 0)

Examines the bridges and barriers among various cultures of the world through a historical analysis. Open to honors program students only.

LEAD 4550 Diversity and Intercultural Humility (Adults Only) 3 hrs.

With the explosion of technology and the increase in global communication, the world is becoming ever more connected. Similarly, the United States has become, over the preceding decades, increasingly diverse. Individuals who want to be successful must acquire the competencies that will allow them to work with people of varied backgrounds. To this end, our academic task will include not only the definition of key terms and concepts integral to the diversity discussion but also the honing of sensitivities and skill sets necessary for mutually enriching intercultural interaction.

MLAN 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 educations all influence the ways in which we use language. This course examines the many ways people use and manipulate language according to their

individual backgrounds to make themselves understood and/or to achieve specific goals in different social settings.
OFFERED: Sem. II.

MLAN 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.

MUSC 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. EXPECTATION: ability to read standard music notation. OFFERED: Sem. II.

POSC 3320 Civilian Perspectives on Political Violence 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.

POSC 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. OFFERED: Sem. I.

SOCI 2450 Intro to Issues in Race and Ethnicity 3 hrs. (3, 0)
Introduces students to the basic concepts and major issues regarding the understanding of race and ethnicity sociologically. Contemporary and historical issues with racism, prejudice, and discrimination are discussed. A perspective of “sociological imagination” where one tries to understand the intersection between individual biography and social structural history is modeled and encouraged in the course. Examples of positive and negative cases of inter-group interaction are examined.

SOCI 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

SPAN 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. EXPECTATION: SPAN 2020.

SPAN 3101 Spanish for Health Care 4 hrs. (4, 0)
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 Spanish 310X may be counted toward completion of the Spanish major or minor. EXPECTATION: SPAN 2020.

SPAN 3102 Spanish for Ministry 4 hrs. (4, 0)
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 Spanish 310X may be counted toward completion of the Spanish major or minor. EXPECTATION: SPAN 2020.

W8. EXPERIENTIAL

This is an experiential learning activity that will be fulfilled by a course, internship, practicum, capstone, clinical, or approved Academic department activity.

Speaking Intensive Courses

One Oral Communications Intensive class course beyond COMM 1000

ARTS 4950 Comprehensive Projects II 4 hrs. (4, 0)

Students prepare portfolios, written inquiry papers, and concluding exhibitions. It is recommended that visual arts education majors complete student teaching in the semester preceding this course. EXPECTATION: Passed foundations and advanced reviews. CONSENT: Faculty panel.

ATRG 4910 Seminar in Athletic Training 2 hrs. (2, 0)

Overviews 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. Require the development and presentation of an independent research project. PREREQUISITE: Athletic training major in good standing; senior standing.

BSNS 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. PREREQUISITE: BSNS 2810.

BSNS 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. PREREQUISITE: BSNS 2710, 2810, 3200; ACCT 2020; senior standing.

CHEM/BIOL/PHYS 4910/4920 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/BIOL/PHYS 4910 and 4920 must be completed to receive advanced writing competency (writing intensive) and speaking intensive credit. PREREQUISITE: Science major. OFFERED: Fall

CMIN 3050 Homiletics 3 hrs. (3,0)

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 200. SAME AS: PAST 5500. OFFERED: Sem. 1.

CMIN 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 issues(s). Topics include hunger and poverty, justice and reconciliation, life commitments and transitions, leadership and organizational life, and loss, illness, and end of life. Required for the Christian ministries major and youth ministries major. PREREQUISITE: CMIN 2000; RLGN 2150.

COMM 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. PREREQUISITE: COMM 1000. OFFERED: Each spring.\

COMM 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.

CPSC 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. PREREQUISITE: CPSC 4950.

CRIM 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. CONSENT: Instructor. PREREQUISITE: CRIM 2510, 2520; upper-division standing.

DANC 3050 Dance Pedagogy 3 hrs. (3, 0)

Explores the theories and practices of teaching modern and ballet classes and the basic structures and theories behind all dance classes. Students develop a critical eye for correcting technique in dancers and begin the process of building their own approach to teaching. OFFERED: Semester II.

- EDUC 4120 Organization and Management for the Elementary Classroom 4 hrs. (4, 0)**
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 in the course and merged with the coursework to focus on managing the learning environment in order to enhance student success. This is a writing intensive course. Required of all Elementary Education majors. Grade of C or better is required. Admission to professional semester is required.
- EDUC 4710 Management/Organization/Methods in Secondary Classroom 4 hrs. (4, 0)**
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. This is a writing-intensive course. Required of all senior high/middle school education majors. Grade of C or better is required. Admission to professional semester.
- ENGL 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. PREREQUISITE: ENGL 1120.
- ENGL 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. PREREQUISITE: Upper-division standing.
- ENGR 4960 Engineering Senior Design II 2 hrs. (2, 0)**
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 pursuing more than one major in engineering must complete a two-semester sequence in senior design for each major. PREREQUISITE: ENGR 4950.
- EXSC 4920 Seminar in Exercise Science 2 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. PREREQUISITE: Exercise science major, senior standing.
- MLAN 4900 Senior Seminar in Cultural Studies 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. CONSENT: Instructor. OFFERED: Spring semester each year.
- HIST 2300 Historical Inquiry 3 hrs. (3, 0)**
Examines various approaches to historical research, major bibliographical tools, varieties of history, and philosophies of history.
- HIST 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.
- HIST 4930 Senior Seminar 1 hrs. (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: Spring semester.
- HNRS 2125 Scholar as Servant Leader 2 hrs. (2, 0)**
Focuses on the biographies 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.
- LART 4500 Critical Thinking and Professional Development 3 hrs. (3, 0)**
Course focuses on transforming learning from the classroom to the real world through the assessment and development of the five major areas and 15 subcomponents of emotional intelligence (EQ). Students incorporate a variety of methods to enhance the critical thinking skills and EQ skills necessary to positively affect the decision-making skills and personal, collegiate, and professional relationships that define success.
- LEAD 4990 Action Research Project 3 hrs.**
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 a project findings.

MATH 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. PRE/COREQUISITE: MATH 4100 or 4200. OFFERED: Semester I.

MUBS 3350/BSNS 3330 Music Marketing 3 hrs. (3, 0)

Recent trends in music marketing. Teams conduct a focus group, SWOT analysis, and write a marketing plan for an independent artist. CONSENT: Department. PREREQUISITE: MUBS 2010, 2020. OFFERED: Semester I. SAME AS: BSNS 3330.

MUED 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. EXPECTATION: Successful completion of UDPE. OFFERED: Semester I.

MUED 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. EXPECTATION: Successful completion of UDPE. OFFERED: Semester I.

MUSC 4955 Senior Presentation 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.

MUTR 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. PREREQUISITE: Upper-division standing. OFFERED: Semester I. SAME AS: THEA 3210.

NURS 4960 Leadership Capstone 4 hrs. (3, 3-45 clinical hrs.)

Builds on previous nursing courses as the student moves towards becoming a competent general 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 liberal arts speaking-intensive requirement. PREREQUISITE: NURS 4451, NURS 4470. COREQUISITE: NURS 4521, NURS 4950, NURS 4970. OFFERED: Sem 2

PETE 4900 Tech Application in Sport, Physical Activity & Recreation 2hrs. (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 smart phone applications that support teaching, coaching, and recreation (e.g., data bases, PowerPoint, screencast, geocaching, etc.)

POSC 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. PREREQUISITE: Upper-division standing. OFFERED: Sem I.

POSC 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. PREREQUISITE: Upper-division standing. OFFERED: Fall.

POSC 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. OFFERED: Sem II 2019-20.

PSYC 3200 Living the 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.

PSYC 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

PSYC 4210 Capstone: Psychological Issues/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. **PREREQUISITE:** PSYC 2000, 2510, 2850; SOCI 2120, 3100, 3150. **OFFERED:** Fall.

PSYC 4520 Capstone Research II 2 hrs. (1, 2)

A continuation of Capstone Research I. This year-long course (fall and spring) 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. **OFFERED:** Spring.

SOCI 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. **PREREQUISITE:** SOCI 2010, 3700.

SOCI 4950 Family Life Education Methodology and 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 4850 Social Work Practicum 12 hrs. (Arranged)

Block field placement (472 hours) in social agency under professional supervision. Requires full-time availability for entire semester. **PREREQUISITE:** SOWK 4710. **COREQUISITE:** SOWK 4710, 4720, 4730.

SPAN 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. **EXPECTATION:** SPAN 2020.

THEA 3210 Musical Theatre Styles I 3 hrs. (3, 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. **PREREQUISITE:** Upper-division standing. **OFFERED:** Semester II. Same as: MUTR 3210.

Writing Intensive Courses

Two Writing Intensive courses beyond ENGL 1120 (pre-requisite). One of the two courses must be upper-division.

ACCT 4900 Professional Ethics for Accountants 1 hrs. (1, 0)

A study of ethics for the accounting profession, with attention both to law and personal choice. **PREREQUISITE:** Senior standing.

ARTH 3030 Contemporary Art/Design 3 hrs. (3, 0)

A survey of the prevailing theories, art and design products, and practitioners that emerge from 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. **PREREQUISITE:** ARTH 2100.

ATRG 3440 Therapeutic Rehabilitation 3 hrs. (2, 2)

Students will have guided experiences in evaluation, treatment, disposition, and rehabilitation of sports-related injuries related to activities with high incidence of upper extremity injuries. Students will be tested throughout this course in both real-time and practice settings. PREREQUISITE: ATRG 2420, 2540; athletic training major in good standing.

ATRG 4550 Research in Athletic Training 1 hr. (2, 0)

The need for quality evidence-based practice is growing in all allied health profession. 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 complete a case study and begin a year-long independent research project.

BIBL/RLGN 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. PREREQUISITE: BIBL 2000; upper-division standing. SAME AS: RLGN 3000. OFFERED: Fall semester.

BIOL 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. PREREQUISITE: BIOL 2240. OFFERED: Fall.

BIOL/CHEM/PHYS 4910/4920 Science Seminar 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: Fall

BSNS 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. Applies to the liberal arts writing-intensive requirement. OFFERED: Sem. I, II.

BSNS 3330 Music Marketing 3 hrs. (3, 0)

Recent trends in music marketing. Teams conduct a focus group, SWOT analysis, and write a marketing plan for an independent artist. PREREQUISITE: BSNS 2030, 2040. OFFERED: Semester I. same as: MUBS 3350.

BSNS 4910 Seminar in Ethics and Leadership 1 hr. (1, 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. PREREQUISITE: Senior standing.

CHEM 3100 Analytical Chemistry 4 hrs. (3, 6)

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: Fall semester.

CMIN 4250 Theology in a Ministry Context 3 hrs. (3, 0)

In this capstone course required for 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. Includes written and oral presentations of ministry-related research. Applies to the liberal arts writing-intensive requirement. **EXPECTATION:** Completion of all internship hours and CMIN-captioned courses required by one’s major. PREREQUISITE: CMIN 4810. OFFERED: Sem. 1.

COMM 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. PREREQUISITE: COMM 2000, 2010. OFFERED: Each semester

COMM 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. PREREQUISITE: COMM 2000, 2010. OFFERED: Each spring.

- COMM 3130 Advanced Newswriting and Reporting 3 hrs. (3, 0)**
Study of advanced research, interviewing, and newswriting techniques, with emphasis on print, video, and new-media formats. PREREQUISITE: COMM 2130.
- COMM 3220 Screenwriting 2 hrs. (2, 0)**
Conception and scripting, of comedy, drama, and other genres. PREREQUISITE: COMM 2130.
- COMM 3230 Advanced Feature and Magazine Writing 3 hrs. (3, 0)**
Emphasis on conception and production of feature articles, including trend stories and personality profiles, for publication in newspapers and magazines as well as broadcast media. PREREQUISITE: COMM 2130.
- COMM 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. PREREQUISITE: COMM 2130, 2240.
- CPSC 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: CPS 2100 and senior standing.
- CRIM/SOCI 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 which offer explanations for these behaviors. PREREQUISITE: ENGL 1120. PREREQUISITE OR CO-REQUISITE: SOCI 2010 or SOCI 2020.
- DANC 3010 Dance History Survey 3 hrs. (3, 0)**
A survey of the development of humankind through dance, from primitive times to the present, with special focus on ballet and dance in America. PREREQUISITE: A minimum of 4 credit hours in the DANC caption. OFFERED: Semester I.
- EDUC 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. Students will design a comprehensive work unit based upon researched assessment practices, including gathering data and analyzing and interpreting their results. The comprehensive work unit will be submitted electronically via the TK20 website. Through reflective writing, students will be able to assess their understanding of assessment in the classroom and their growth in the appropriate use of a variety of assessment strategies. Grade of C or better required. Admission to the teacher education program required. PREREQUISITE: 2.75 GPA overall.
- EDUC 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. Focus is on using data to develop effective management procedures and skills in order to allow students to make progress in the curriculum. Candidates will use action research to explore student and/or classroom behavior issues. This is a writing intensive course. Required of all Elementary Education majors. Grade of C or better is required. Expectation: Admission to professional semester is required. PREREQUISITE: 3.0 GPA in major/2.75 GPA overall, and senior standing.
- EDUC 4710 Management, Organization, & 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, action research, lesson design, and classroom culture. A practicum experience is embedded in the course 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) are expected. This is a writing-intensive course. Required of all senior high/middle school education majors. Grade of C or better is required. PREREQUISITE: Admission to professional semester is required, 3.0 GPA in major/a 2.75 GPA overall; senior standing.
- ENGL 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 non-fiction, and/or drama. Strongly recommended as a prerequisite to ENGL 3110, 3120 or 3180. Expectation: Grade of C or above in ENGL 1120. PREREQUISITE: ENGL 1120.

- ENGL 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. PREREQUISITE: ENGL 1120.
- ENGL 3110 Creative Writing: Fiction 3 hrs. (3, 0)**
Emphasizes techniques writers use in various modes of fiction. Awareness of writer's craft applied theoretically in analysis of short fiction and practically in students' own creative endeavors in short fiction. ENGL 2500 strongly recommended as a prerequisite. EXPECTATION: Grade of C or above in ENGL 1120. PREREQUISITE: ENGL 1120.
- ENGL 3120 Creative Writing: Poetry 3 hrs. (3, 0)**
Emphasizes techniques writers use in various modes of poetry. Awareness of poet's craft applied theoretically in analysis of poetry and practically in students' own creative endeavors in poetry. ENGL 2500 strongly recommended as a prerequisite. EXPECTATION: Grade of C or above in ENGL 1120. PREREQUISITE: ENGL 1120.
- ENGL 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. EXPECTATION: Grade of C or above in ENGL 1120.
- ENGL 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. EXPECTATION: Grade of C or above in ENGL 1120. PREREQUISITE: ENGL 1120.
- ENGL 3180 Composing: Nonfiction 3 hrs. (3, 0)**
Advanced composition course that examines and practices 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. ENGL 2500 strongly recommended as a prerequisite. EXPECTATION: Grade of C or above in ENGL 1120. PREREQUISITE: ENGL 1120.
- ENGL 3190 Composing: Arguments 3 hrs. (3, 0)**
Advanced composition course that explores various models of argument, including persuasion, advocacy, consensus building, and classical rhetoric. Focuses on analyzing and composing multiple genres of written, visual, and digital argument. Audience accommodation, research, tone, and revision will be examined. EXPECTATION: Grade of C or above in ENGL 1120. PREREQUISITE: ENGL 1120.
- ENGL 3500 American Literature of the Nineteenth Century 4 hrs. (4, 0)**
Examines the positive Romanticism of Emerson, Thoreau, and Fuller; the dark Romanticism of Poe, Hawthorne, and Melville; and the social or psychological realism of James, Twain, Crane, Gilman, and Chopin. PREREQUISITE: ENGL 1120.
- ENGL 3551 American Literature of the Twentieth Century 4 hrs. (4, 0)**
Examines the major literary developments and the philosophical or social perspectives within American literature of the 20th century. Writers include Fitzgerald, Hemingway, Faulkner, Steinbeck, Wright, Updike, Vonnegut, and Morrison. PREREQUISITE: ENGL 1120.
- ENGL 3580 Cross-Cultural American 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 adaption, discrimination, identity formation, intergenerational family conflicts, oppression in the homeland, and linguistic challenges. PREREQUISITE: ENGL 1120.
- ENGL 4550 American Poetry 4 hrs. (4, 0)**
Examines the major voices and visions of American poetry by analyzing the work of 10 major American poets: Whitman, Dickinson, Frost, Stevens, Williams, Eliot, Moore, Bishop, Hughes, and Lowell. The work of more contemporary poets will be examined as well. PREREQUISITE: ENGL 1120.
- ENGL 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. EXPECTATION: Should be taken in conjunction with COMM 4750. OFFERED: Semester I.
- ENGL 4910 Senior Capstone Seminar 3 hrs. (3, 0)**
Required for all English majors and writing majors. Open only to seniors. Students will complete a comprehensive project that will draw on the knowledge, skills, concepts, and methods they have accumulated through study in the other courses required for the major. This project will also prepare them for the work they will do in graduate school, in professional organizations, in the literary marketplace, or in corporate settings. PREREQUISITE: Senior standing and English major or writing complementary major.

ENGR 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. **PREREQUISITE:** ENGL 1120. **OFFERED:** Sem. II.

ENGR 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. Co-requisite: Senior standing in an engineering major.

ENGR 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 pursuing more than one major in engineering must complete a two-semester sequence in senior design for each major. **PREREQUISITE:** ENGR 4950.

EXSC 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. **OFFERED:** Sem. II.

EXSC 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.

MLAN 4900 Senior Seminar in Cultural Studies 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. **CONSENT:** Instructor. **OFFERED:** Spring semester each year.

HIST 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. **PREREQUISITE:** Upper-division standing. **OFFERED:** Sem. I, II.

HIST 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. **PREREQUISITE:** Upper-division standing. **OFFERED:** Sem. II.

HIST 3425 Slavery and Freedom in the Modern World 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. **OFFERED:** Sem. I.

HIST 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. **PREREQUISITE:** Upper-division standing.

HIST 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. **PREREQUISITE:** Upper division standing.

- HIST 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. **PREREQUISITE:** Upper-division standing.
- HIST 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. **PREREQUISITE:** Upper-division standing.
- HIST 3510** **Law, the Constitution, and War in American History, 1787 to Present** **3 hrs. (3, 0)**
 Examines the impact of war on American military, political, social, and economic institutions from the Revolution through the War on Terror. This will include the development of what has been called an "American way of war," the role warfare has played in the development of the American political and legal system, and the interaction between warfare and broad American sociocultural development. Writing intensive.
- HNRS 3221** **Traditionalism and Globalization** **3 hrs. (3, 0)**
 Examines the bridges and barriers among various cultures of the world through a historical analysis.
- LEAD 4990** **Action Research Project** **5 hrs.**
 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 a project findings. (Adults only)
- MUBS 3350** **Music Marketing** **3 hrs. (3, 0)**
 Recent trends in music marketing. Teams conduct a focus group, SWOT analysis, and write a marketing plan for an independent artist. **CONSENT:** Department. **PREREQUISITE:** MUBS 2010, 2020. **OFFERED:** Semester I. **SAME AS:** BSNS 3330.
- MUBS 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. **PREREQUISITE:** MUBS 2010, 2020. **OFFERED:** With sufficient demand.
- MUSC 3110** **History of Music: Medieval/Renaissance** **3 hrs. (3, 0)**
 General historical survey of music from classical antiquity through the Renaissance. **PREREQUISITE:** MUSC 2110. **OFFERED:** Semester I.
- MUSC 3120** **History of Music: Baroque/Classic** **3 hrs. (3, 0)**
 General historical survey of music from 1650 to 1800. **PREREQUISITE:** MUSC 2110. **OFFERED:** Semester II
- MUSC 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. **PREREQUISITE:** MUSC 2110. **OFFERED:** Semester I.
- MUSC 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. **PREREQUISITE:** MUSC 2110. **OFFERED:** Semester II.
- MUSC 3180** **History of Music: Lyric Theatre** **3 hrs. (3, 0)**
 General historical survey of lyric theatre — opera, operetta, revue, musical theatre — from the 17th century to the present. **PREREQUISITE:** MUSC 2110. **OFFERED:** Semester II,
- NURS 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 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, ENGL 1120. **COREQUISITE:** NURS 3361.
OFFERED: Sem. II

NURS 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. **PREREQUISITE:** NURS 3360, 3390. **CO-REQUISITE:** NURS 4450.

PEHS 3340 Sociology of Sport 3 hrs. (3, 0)

Examines sports and its 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.

PETE 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.

PETE 4300 Curriculum Development/Assessment in Physical Education 4 hrs. (4, 0)

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. Expectation: Completion of required activity classes. Prerequisite: Teaching major. **PREREQUISITE or CO-REQUISITE:** PETE 3750, 4260, 2.6 or higher GPA. **EXPECTATION:** Passed Praxis I.

PHYS 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. **PREREQUISITE:** PHYS 2240, 2250. **OFFERED:** Spring semester.

POSC 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. **OFFERED:** Fall semester.

POSC 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. I.

POSC 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, 2013-24.

POSC 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. **OFFERED:** Sem. II.

POSC 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 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. **OFFERED:** Sem. II.

PSYC 2010 Research Methods in Psychology 2 hrs. (1, 1)

An introduction to the scientific method, inferential statistics, and journal report writing. Required of all psychology majors. **PREREQUISITE:** Psychology major or minor.

PUBH/PSYC/SOCI 3010 Social Psychology**4 hrs. (4,0)**

An examination of the behavior of individuals in society, including the study of attitudes, Psychology — PSYC Courses, continued Anderson University Undergraduate College Catalog, 2015-2017 187 beliefs, prejudice, aggression, leadership, and altruism. PREREQUISITE: PSYC 2000. OFFERED: Spring.

PSYC 4510 Capstone Research I**2 hrs. (1, 2)**

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.

RLGN 3300 Beginnings of Christianity**3 hrs. (3, 0)**

Study of origin and development of Christianity within its Jewish and Graeco-Roman environments up 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?'

PUBH/SOCI 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, an utilization of social research in policy, program, and practice settings. PREREQUISITE: SOCI 2010 or 2100; upper-division standing.

SPAN 3010 Spanish Composition**4 hrs. (4, 0)**

Designed to help students develop writing skills in formal, informal, and idiomatic Spanish through review of Spanish grammar, vocabulary-building exercises, and development of more sophisticated syntactical patterns in the use of the written word. Students will practice different styles of writing, including journaling, summaries, and essays. Required of all Spanish majors and minors. Placement.

SPED 3120 Special Education Assessment for the Classroom Teacher**3 hrs. (3, 1)**

Explores educational assessment practices for students with mild disabilities. Course will familiarize students in the administration and interpretation of formal and informal educational assessment instruments used for instructional decision-making and placement of students with special educational needs. Grade of C or better required. Admission to the teacher preparation program required. PREREQUISITE: SPED 2400; 2.75 GPA overall.

FIRST YEAR ADVISING GUIDELINES

By Department

BIOLOGY

DR. MICHAEL BAILEY

EXT. 4332

Biology BA/BS

Semester I

BIOL 2210 (4)
CHEM 2110 (4)

Foundations of Modern Biology I
General Chemistry I

Semester II

BIOL 2220 (4)
CHEM 2120 (4)
MATH 2XXX (BS Only)

Foundations of Modern Biology II
General Chemistry II

CHRISTIAN MINISTRIES

DR. FRED BURNETT

EXT. 4504

Bible & Religion, and Christian Ministries

Semester I

BIBL 2000 (3)
RLGN 2000 (3)

Introduction to the Bible
Introduction to Religion

Bible & Religion

Semester II

BIBL 2050 (3)

Methods in Biblical Exegesis

Christian Ministries

Semester II

BIBL 2050 (3)
CMIN 2000 (3)

Methods in Biblical Exegesis
Introduction to Christian Ministry

Christian Ministries Complementary

Semester I

CMIN 2000 (3)

Introduction to Christian Ministry

Semester II

BIBL 2000 (3)

Introduction to the Bible

Christian Spiritual Formation Complementary

Semester I

RLGN 1100 (3)

Introduction to Spiritual Formation

Semester II

RLGN 2410/2430 (3)

Where am I?: Faith and Cosmology

Youth Ministries

Semester I

CMIN 2000 (3)
RLGN 2000 (3)

Introduction to Christian Ministry
Introduction to Religion

Semester II

BIBL 2000 (3)

Introduction to the Bible

Cinema & Media Arts**Semester I**

COMM 2010 (1)	The Communication Professional
COMM 2060 (3)	Video/Cinema Concepts
COMM 2200(3)	Visual Communication

Semester II

COMM 2020 (3)	Audio Concepts and Production
COMM 2160 (3)	The Art of Storytelling
COMM 2000 (3)	Media & Society

Public Relations and Journalism Complementary Major**Semester I**

COMM 2000 (3)	Media & Society (co-req. with COMM 2010)
COMM 2010 (1)	The Communication Professional (co-req. with COMM 2000)

Semester II

COMM 2130 (3)	Writing for the Media
COMM 2200 (3)	Visual Communication

Visual Communication Design**Semester I**

ARTS 2010 (3)	Introduction to Drawing
ARTS 2011 (3)	Two Dimensional Design

Semester II

ARTS 2100 (3)	Introduction to Graphic Design
ARTS 2060 (3)	Intermediate Drawing

COMPUTER SCIENCE**DR. MATTHEW PRESTON****EXT. 3866****Computer Science Bachelor of Arts Major****Business Information Systems Complementary** (only available when primary major outside department)**Semester I**

CPSC 1400(4)	Computer Science I
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Semester II

CPSC 1500 (4)	Computer Science II
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Computer Science Bachelor of Arts Major**Semester I**

CPSC 1400 (4)
Math Elective

Semester II

CPSC 1500 (4)	Computer Science II
MATH 2200/ CPSC 2250 (4)	Discrete Mathematical Structure

Computer Science Bachelor of Arts Complementary Major**Semester I**

CPSC 1400 (4)	Computer Science I
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And choose ONE of the following

- MATH 2010 (4)
- MATH 2020 (4)
- MATH 2120 (4)
- MATH 2000 (4)

Semester II

CPSC 1500 (4)

Computer Science II

Computer Science Bachelor of Science Major**Semester I**

CPSC 1400 (4)

Computer Science I

MATH 2010 (4)

Calculus I

Semester II

CPSC 1500 (4)

Computer Science II

MATH 2020 (4)

Calculus II

PHYS 2240 (4)

Physics I

Cybersecurity**Semester I**

CPSC 2080 (3)

Public Policy

POSC 2030 (3)

Computer Science I

Semester II

CPSC 2180 (3)

Scripting and Systems

POSC 2420 (1)

Applied Statistics Lab

MATH 2120 (4)

Introductory Statistics with Applications

ENGLISH**PROF. DEBORAH MILLER-FOX****EXT. 4421****Literary Studies****Semester I**

ENGL 2400 (3)

Introduction to Literary Studies

ENGL 1110/1120

Rhetoric and Composition/Rhetoric and Research

Other Liberal Arts courses

Semester II

ENGL 2220 (3)

Global Literature

ENGL 3000 (3)

Grammar and Style

Liberal Arts Requirements

Secondary Education: Language Arts Teaching Majors**Semester I**

EDUC 2000 (2)

Teaching as a Profession

ENGL 2400 (3)

Introduction to Literary Studies

ENGL 1110 or 1120

Rhetoric and Composition or Rhetoric and Research

HIST 2110 or 2120 (3)

American History I or American History II

Semester II

PSYC 2100 (4)

Interpersonal Relationships

SPED 2400 (3)

Introduction to Mild Disabilities

EDUC 2100 (2)

Lifespan: Child and Adolescent Development

EDUC 2110 (2)

Educational Psychology: Learning in the Schools

Writing Major**Semester I**

ENGL 2400 (3)

Introduction to Literary Studies

ENGL 1110 or 1120

Rhetoric and Composition or Rhetoric and Research

Liberal Arts Requirements

Semester II

ENGL 2220

Global Literature

ENGL 2580 and/or ENGL 3000

The Spiritual Practice of Writing and/or Grammar and Style

ENGL 1120 if not completed first semester

Liberal Arts Requirements

Accounting/Accounting: CMA Preparation**Business Administration Complementary** (only available when major is outside FSB)**Global Business: Accounting/Economics/ Finance/Management/Marketing****Marketing: Event Planning/Global Marketing/Integrated Branding & Promotion/Strategy & Tactics/Music Business/Social Media/Sport Marketing (prior to 2161)****Semester I**

BSNS 1050 (2)

Business as a Profession

Math 1300 (3)

Finite Mathematics

Semester II

CPSC 1100 (3)

Business Computer Applications

Music Business: Entertainment Business**Semester I**

MUBS 2010 (3)

Introduction to the Music Business

Math 1300 (3)

Finite Mathematics

Semester II

CPSC 1100 (3)

Business Computer Applications

Finance**Semester I**

BSNS 1050 (2)

Business as a Profession

Math 1300 (3)

Finite Mathematics

Semester II

CPSC 1100 (3)

Business Computer Applications

BSNS 2810 (3)

Principles of Marketing

Management**Semester I**

BSNS 1050 (2)

Business as a Profession

MATH 1300 (3)

Finite Mathematics

Semester II

CPSC 1100 (3)

Business Computer Applications

BSNS 2710 (3)

Principles of Management

Sport Marketing (beginning 2161)**Semester I**

BSNS 1050 (2)

Business as a Profession

MATH 1300 (3)

Finite Mathematics

Semester II

CPSC 1100 (3)

Business Computer Applications

BSNS 2810 (3)

Principles of Marketing

INTERNATIONAL RELATIONS**DR. JAYE ROGERS****EXT. 4442**

International Relations**Semester I**

POSC 2020 (3)

Introduction to International Relations

Suggested Liberal Arts Course:

Foreign Language (4)

Foreign Language per placement

Semester II
POSC 2200 (3)
Foreign Language (4)

Foreign Language

National Security Studies

Semester I
POSC 2020 (3)

Introduction to Politics

Semester II
POSC 2100 (3)

American National Government

HISTORY & POLITICAL SCIENCE

DR. JAYE ROGERS

EXT. 4442

History

Semester I

HIST 2000 (3)
HIST 2xxx (3)

History of World Civilization
American or Western

Semester II
HIST 2xxx (3)

American or Western

Political Science and Political Science, Philosophy & Economics

Semester I
POSC 2020 (3)

Introduction to Politics

Semester II
POSC 2100 (3)

American National Government

Social Studies Secondary Education

Semester I

HIST 2000 (3)
EDUC 2000 (2)

History of World Civilization
Teaching as a Profession

Semester II
EDUC 2100 (3)
EDUC 2110 (3)
HIST 2110 (3)

Child and Adolescent Development
Educational Psychology: Learning in the Schools
American Civilization I

KINESIOLOGY

DR. CHRIS HAMLYN

EXT. 3792

Exercise Science

Semester I

PEHS 1550 (3)
EXSC 1360 (2)

First Aid
Intro to Exercise Science

Semester II
EXSC 2455 (3)

Foundations of Exercise Leadership

Sport and Recreational Leadership

Semester I

PETE 1300 (2)
SPRL 1350 (3)

Introduction to Sports, Physical Activity, and Recreation
Physical Activity Cluster I--focus on team and individual sports

Semester II
BSNS 2710 (3)
SPRL 2450 (3)

Principles of Management
Physical Activity Cluster III—focus on rec activities and outdoor pursuits

Mathematics BA/BS**Semester I**

MATH 2010 (4)

Calculus I

Semester II BA

MATH 2020 (4)

Calculus II

Semester II BS

MATH 2020 (4)

Calculus II

ENGR 2310 (3)

PHYS 2240(4)

Prerequisites: Students must demonstrate math proficiency in one of three ways:

- SAT/ACT scores (MSS 540+)/(SRM 510+)/ACNM 23+)
- Passing the university Math placement exam
- Successful completion of MATH 1000

Mathematics Decision Science**Semester I**

MATH 2010 (4)

Calculus I

BSNS 2710 (3)

Principles of Management

Semester II

MATH 2020 (4)

Calculus II

MATH 2120 (4)

Introductory Statistics with Applications

Mathematics: Economics**Semester I**

MATH 2010 (4)

Calculus I

Semester II

MATH 2020 (4)

Calculus II

Mathematics: Finance**Semester I**

MATH 2010 (4)

Calculus I

Semester II

MATH 2020 (4)

Calculus II

MATH 2120 (4)

Introductory Statistics with Applications

Mathematics Teaching**Semester I**

MATH 2010 (4)

Calculus I

EDUC 2000 (2)

Teaching as a Profession

Semester II

EDUC 2100 (2)

Child and Adolescent Development

EDUC 2110 (2)

Educational Psychology: Learning in the School

MATH 2020 (4)

Calculus II

FOREIGN LANGUAGE**DR. BRANDAN GRAYSON****EXT. 4432**

SPAN 2020 is the first course that counts toward the major

Spanish**Semester I**

Spanish class per placement by department (4)

Semester II

Next Spanish class in sequence (4)

Spanish Complementary**Semester I**

Spanish class per placement by department (4)

Semester II

Next Spanish class in sequence (4)

Spanish class per placement by department (4)

SPANISH TEACHING**PROF. CARRIE CLAY****EXT. 4437****Semester I**

Spanish class per placement by department (4)

EDUC 2000 (2)

Teaching as a Profession

Semester II

Next Spanish class in sequence (4)

EDUC 2100 (2)

Lifespan: Child and Adolescent Development

EDUC 2110 (2)

Educational Psychology: Learning in the Schools

NURSING**DR. LYNN SCHMIDT****EXT. 4388****Semester I**

NURS 2130 (1)

Is Nursing for Me?

BIOL 2410 (4)

Human Anatomy & Physiology I

Recommended Liberal Arts Courses: Foreign Language Requirement (4)

Semester II

NURS 2140 (1)

Introduction to Nursing

PSYC 2000 (3)

General Psychology

BIOL 2420 (4)

Human Anatomy & Physiology II

Note: Students must follow the School of Nursing Curriculum plan and take 14-16 hours/semester to finish in four years. They must receive a "C" in the prerequisite courses and acquire a 3.2 overall GPA in order to apply for admission to the clinical courses in the Nursing major. Admission is competitive. Students must have appropriate immunizations, a physical exam, background check, drug testing, and CPR certification before beginning clinical courses in the sophomore year.

PHYSICAL SCIENCES, ENGINEERING & BIOCHEMISTRY**DR. BENJAMIN MCPHERON****EXT. 4375****Biochemistry****Semester I**

BIOL 2210 (4)

Foundations of Modern Biology I

CHEM 2110 (4)

General Chemistry I

Semester II

BIOL 2220 (4)

Foundations of Modern Biology II

CHEM 2120 (4)

General Chemistry II

Chemistry**Semester I**

CHEM 2110 (4)

General Chemistry I

MATH 2010 (4)

Calculus I

Semester II

CHEM 2120 (4)

MATH 2020 (4)

General Chemistry II

Calculus II

Electrical, Mechanical, Mechatronics, Computer Engineering, Engineering Physics**Semester I**

MATH 2010 (4)

CHEM 2110 (4)

ENGR 2001 (1)

ENGR 2002 (1)

ENGR 2003 (1)

Calculus I

General Chemistry I

Introduction to Engineering

Introduction to Mechanical Laboratory

Introduction to Electrical and Computer Laboratory

Semester II

MATH 2020 (4)

PHYS 2240 (4)

ENGR 2310 (3)

Calculus II

General Physics I

Introduction to Programming

Physical Science**Semester I**

MATH 2010 (4)

CHEM 2110 (4)

PHYS 1000 (4)

Calculus I

General Chemistry I

Physical Science

Semester II

CHEM 2120 (4)

MATH 2020 (4)

PHYS 1240 (4)

General Chemistry II

Calculus II

Astronomy

Physics**Semester I**

MATH 2010 (4)

CHEM 2110 (4)

ENGR 2001 (1)

ENGR 2002 (1)

ENGR 2003 (1)

Calculus I

General Chemistry I

Introduction to Engineering

Introduction to Mechanical Laboratory

Introduction to Electrical and Computer Laboratory

Semester II

MATH 2020 (4)

PHYS 2240 (4)

ENGR 2310 (3)

Calculus II

General Physics I

Computational Problem Solving

PSYCHOLOGY**DR. LAURA STULL****EXT. 4471****Psychology and Psychology Complementary****Semester I**

PSYC 2000 (3)

General Psychology (required of all PSYC Majors/Minors)

Semester II

PSYC 2010 (3)

PSYC 2100 (4)

Research Methods in Psychology (required of all PSYC Majors)

Interpersonal Relationships

Youth Leadership Development Complementary**Semester I**

PSYC 2000 (3)

General Psychology (required of all PSYC Majors/Minors)

Semester II

PSYC 2510 (4)

PSYC 2100 (4)

Developmental Psychology

Interpersonal Relationships

Semester I

EDUC 2000 (2)
EDUC 2100 (2)
EDUC 2110 (2)

Teaching as a Profession
Child & Adolescent Development
Educational Psychology: Learning in the Schools

Recommended Liberal Arts Courses

MATH 1100 (4)
HIST 2110 (3)

Elementary Mathematics – Numeration Systems
American Civilization I

Semester II

SPED 2400 (3)
MATH 1110 (3)

Intro. to Mild Disabilities (Pre-req. EDUC 2000 and 2.75 overall GPA)
Elementary Math Geometry

SOMTD - MUSIC**DR. JEFFREY WRIGHT****EXT. 4544****Music, Voice Performance, Instrumental Performance****Semester I**

MUSC 1010 (3)
MUSC 1030 (1)
MUPF 1050 (2)
MUPF XXXX (1)
MUPF XXXX (1)
MUPF 1520 (0-1)
THEA 2210 (3)

Theory I
Aural Comprehension I
Keyboard Class I
Private Music Lesson
Music Ensemble
Accompanying I (pianists only in Instrumental Performance major)
Stagecraft (Voice Performance majors only)

Semester II

MUSC 1020 (3)
MUSC 1040 (1)
MUPF 1060 (2)
MUPF XXXX (1)
MUPF XXXX (1)
MUED 2510 (2)
MUPF 1530 (0-1)

Theory II
Aural Comprehension II
Keyboard Class II
Private Music Lesson
Music Ensemble
Singer's Diction (Voice Performance majors only)
Accompanying II (pianists only in Instrumental Performance major)

Music Complementary**Semester I**

MUSC 1010 (3)
MUSC 1030 (1)
MUPF 1050 (2)

Theory I
Aural Comprehension I
Keyboard Class I

Semester II

MUSC 1020 (3)
MUSC 1040 (1)
MUPF 1060 (2)

Theory II
Aural Comprehension II
Keyboard Class II

Worship Arts**Semester I**

MUSC 1010 (3)
MUSC 1030 (1)
MUPF 1050 (2)
MUPF XXXX (1)
MUPF XXXX (1)

Theory I
Aural Comprehension I
Keyboard Class I
Private Music Lesson
Music Ensemble

Semester II

MUPF 1410 (1)
MUPF XXXX (1)
MUPF XXXX (1)

Class Lessons in Guitar I
Private Music Lesson
Music Ensemble

Music Education**Semester I**

MUSC 1010 (3)
MUSC 1030 (1)
MUPF 1050 (2)
MUPF XXXX (1)
MUPF XXXX (1)

Theory I
Aural Comprehension I
Keyboard Class I
Private Music Lesson
Music Ensemble

Semester II

MUSC 1020 (3)
MUSC 1040 (1)
MUPF 1060 (2)
MUPF XXXX (1)
MUPF XXXX (1)
MUED 1000 (2)
MUED 2510 (2)

Theory II
Aural Comprehension II
Keyboard Class II
Private Music Lesson
Music Ensemble
Introduction to Music Education
Singer's Diction I

Musical Theatre**Semester I**

MUSC 1010 (3)
MUSC 1030 (1)
MUPF 1050 (2)
MUPF 2700 (1)
MUPF 1170 (1)
DANC 1420 (1)
THEA 2110 (3)

Theory I
Aural Comprehension I
Keyboard Class I
Voice
Lyric Theatre Workshop
Ballet I
Acting

Semester II

MUSC 1020 (3)
MUSC 1040 (1)
MUPF 1060 (2)
MUPF 2700 (1)
MUPF 1170 (1)
DANC 1420 (1)
MUTR 2410 (2)

Theory II
Aural Comprehension II
Keyboard Class II
Voice
Lyric Theatre Workshop
Ballet I
Voice and Movement for the Actor I

Music Business**Semester I**

MUSC 1010 (3)
MUSC 1030 (1)
MUPF 1050 (2)
MUPF XXXX (1)
MUPF XXXX (1)
MUBS 2010 (3)
MUBS 3210 (3)

Theory I
Aural Comprehension I
Keyboard Class I
Private Music Lesson
Music Ensemble
Introduction to Music Business
Recording Techniques

Semester II

MUSC 1020 (3)
MUSC 1040 (1)
MUPF XXXX (1)
MUPF XXXX (1)
MUBS 2020 (3)

Theory II
Aural Comprehension II
Private Music Lesson
Music Ensemble
Introduction to Music Publishing

Theatre**Semester I**

THEA 2110 (3)
THEA 2210 (3)
THEA 2220 (2)
THEA 2890 (1)

Acting I
Stagecraft
Theatre Genres and Analysis
Acting/Production Practicum

Semester II

THEA 2120 (3)
THEA 2890 (1)

Acting II
Acting/Production Practicum

Dance Performance Majors, Dance Business, Dance Pedagogy, Dance Science, Dance Complementary**Dance Performance****Semester I**

DANC 1150 (1)

DANC 1580 (1)

PEHS 1450/NURS 1210 (2)

DANC XXXX (1)

Modern

DANC XXXX (1)

Ballet

Semester II

DANC 1150 (1)

DANC 1590 (1)

DANC 1150 (1)

DANC XXXX (1)

Modern

DANC XXXX (1)

Ballet

Dance Business**Semester I**

DANC 1150 (1)

DANC 1580 (1)

DANC XXXX (1)

Modern

BSNS 2710 (3)

Semester II

DANC 1150 (1)

DANC 1590 (1)

DANC XXXX (1)

Ballet

BSNS 2810 (3)

Dance Pedagogy**Semester I**

DANC 1150 (1)

DANC 1580 (1)

PEHS 1450/NURS 1210

DANC XXXX (1)

Modern

DANC XXXX (1)

Jazz

Semester II

DANC 1150 (1)

DANC 1590 (1)

DANC 2110 (1)

DANC XXXX (1)

Ballet

EDUC 2100 (3)

Dance Science**Semester I**

DANC 1150 (1)

DANC 1580 (1)

DANC XXXX (1)

Modern

NURS 1210 (2)

PSYC 2000 (3)

Semester II

DANC 1590

DANC 1150

DANC XXXX

Ballet

SOCI 2010 (3)

Dance Complementary**Semester 1**

DANC 1150

DANC 1580

DANC XXXX (1)

DANC XXXX (1)

Modern

Ballet

Semester 2

DANC 1150

DANC 1590

DANC XXXX

DANC XXXX

Modern

Jazz

SOCIAL SCIENCES**DR. MARIA SCOTT****EXT. 4511**

Criminal Justice Associate of Arts**Semester I**

CRIM 2520 (3)

Introduction to Criminal Justice

Semester II

SOCI 2010 (3)

Introduction to Sociology

or

SOCI 2020 (3)

Social Problems

SOCI 2510 (4)

The Nature of Crime & Social Deviance

Criminal Justice Bachelor of Arts**Semester I**

CRIM 2520 (3)

Introduction to Criminal Justice

Semester II

SOCI 2010 (3)

Introduction to Sociology

or

SOCI 2020 (3)

Social Problems

SOCI 2510 (4)

The Nature of Crime & Social Deviance

Family Science**DR. LEROY QUASHIE****EXT. 4513**

Semester I

SOCI 2100 (3)

Family in Global and Diverse Context

Semester II

PSYC 2100 (4)

Interpersonal Relationships

SOCIAL WORK**LOLLY BARGERSTOCK****EXT. 4514**

Semester I

SOCI 2020 (3)

Social Problems

SOWK 2000 (3)

Introduction to Social Welfare and Social Work

Semester II

PSYC 2000 (3)

General Psychology

SOCI 2010 (3)

Introduction to Sociology

PRE-MEDICINE**DR. SCOTT CARR****EXT. 4371****Semester I** (15-17 credit hours recommended)

CHEM 2110 (4)	General Chemistry I (<i>If Math SRM > 550, MSS > 570 or Math ACT > 22</i>)
MATH 2010 (4)	Calculus I
BIOL 2210 (4)	Foundations of Modern Biology I

Semester II

CHEM 2120 (4)	General Chemistry II
BIOL 2220 (4)	Foundations of Modern Biology II
MATH 2020 (4)	Calculus II

PRE-SEMINARY STUDIES**DR. FRED BURNETT****EXT. 4504**

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 seminary should be considered in the planning of undergraduate junior and senior years.

GUIDELINES FOR PRE-PROFESSIONAL HEALTH PROGRAMS

If student desires more information about the profession he/she is interested in, then the advisor should look at the specific section as cited below.

Chiropractor	See Pre-Chiropractic
Dentist	See Pre-Dentistry
Doctor/Physician	See Pre-Medicine (Allopathic and Pre-Osteopathic)
Lawyer	See Pre-Law
Occupational Therapy	See Pre-Occupational Therapy
Optometrist	See Pre-Optometry
Pharmacist	See Pre-Pharmacy
Physical Therapist	See Pre-Physical Therapy
Physician Assistant	See (?)
Podiatrist	See Pre-Podiatry
Veterinary Medicine	See Pre-Vet
Medical Technologist	See Medical Technology

This is the general academic prescription for a variety of pre-professional health students. Specific pre-professional school requirements for each program can be found by looking up the specific program in alphabetical order. Students are encouraged to attend regular advising and communicate with a qualified advisor before each semester's registration. Please contact Dr. Carr for referral to an appropriate pre-professional health advisor.

ALL STUDENTS SHOULD BE ADVISED TO:

1. File a declaration of major as soon as possible.
2. Locate his/her advisor within the first week of the start of school.

General Guidelines (Pre-Professional Health Courses)

- Students with a **high school GPA of 3.3** or higher should be encouraged to take Biology, Chemistry and Math first semester.
- Students with a **high school GPA of 2.8-3.2** should be carefully counseled as to whether or not to take both math and biology during the first semester. If they decide against taking both and anticipating a major in anything other than Chemistry, Biology should be encouraged over math; Chemistry majors should take Math rather than Biology.
- Students with a **high school GPA less than 2.8** should be encouraged to take only the chemistry course; if they think they should take more, Biology should be encouraged.
For students to enroll in CHEM 2110, they need to have a minimum SAT of 550 or greater or an ACT of 22 or greater.

Semester I 15-17 hours recommended - see notes to determine appropriate courses

ENGLISH (3 - 4 hours)

ENGL 1100 (4)	Rhetoric and Composition – Basic
ENGL 1110 (3)	Rhetoric and Composition
ENGL 1120 (3)	Rhetoric and Research
<i>(English determined by placement exams and English department)</i>	

CHEMISTRY (4 hours)

CHEM 2110 (4)	General Chemistry <i>(If Math SRM > 550, MSS > 570 or Math ACT > 22)</i>
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MATH (4 hours)

MATH 2010 (4)	Calculus I ⁺
MATH 1400 (4)	Applied Calculus ⁺
MATH 2120 (4)	Introductory Statistics with Applications ⁺
<i>or</i>	
PSYC 2440 (4)	Applied Statistics & Intro to Research ⁺
MATH 1000 (2)	Introductory Algebra
MATH 1300 (3)	Finite Mathematics ⁺

Notes:

MATH 2010 is for most pre-professional health students (e.g. medicine, veterinarian, dentistry, pharmacy, podiatry, and optometry. *If students elect to take MATH 2010 they must also take MATH 2020 in order to complete the study of calculus.*

MATH 1400 is for students entering chiropractic, occupational therapy, medical technology and other allied health programs or for students entering the program in their sophomore year with no previous college math. This course covers the whole calculus scope and applies it to practical problems mostly in biology, social and business areas.

MATH 2120 & PSYC 2440 is for pre-occupational or physical therapy students and other pre-professional health students planning to enter professional schools that require statistics.

MATH 1000 is for those students who did not pass the math placement exam.

MATH 1300 is the catch-all for all other students.

Notes:

BIOL 2210 must be taken by all those contemplating Biology as a major and/or planning to enter most health professions. Please refer to sections below for exceptions.

BIOL 2410 is for those students entering occupational or physical therapy et. al. who do not plan a biology major.

REMAINING COURSES (0-6 hours)

LART 1050 (1)	First Year Experience Seminar (<i>All registrants must take this course.</i>)
MAJOR COURSE (3-4)	First course in major (<i>other than biology, chemistry, physics or math</i>)
LIBERAL ARTS (3-4)	Course that meets Liberal Arts requirement

Semester II (17 hours recommended)

ENGL 1120 (3)	Rhetoric and Research
<i>Check SEM I. placement to determine SEM II level – must pass SEM. I with a C- or better to move to next level</i>	
CHEM 2120 (4)	General Chemistry II
BIOL 2220 (4)	Foundations of Modern Biology II
MATH 2020 (4)	Calculus II (<i>If MATH 2010 was taken SEM. I</i>)
LIBERAL ARTS (0-4)	Course that meets Liberal Arts requirement

PRE-CHIROPRACTIC**DR. SCOTT CARR****EXT. 4371****GENERAL**

Generally the pre-professional program is two or three years in length depending upon the individual college of chiropractic the student has chosen to attend. Students holding bachelor's degrees are neither discouraged nor necessarily preferred for admission to the colleges. The college of chiropractic generally confers simultaneously its own bachelor's degree upon completion of 120 semester hours (counting those earned here) and the Doctor of Chiropractic after completion of the four-year curriculum. Practice usually begins immediately after graduation.

RECOMMENDED MAJOR

Majors in biology, business and economics would be very beneficial.

MINIMUM COURSE LOAD AT ANDERSON UNIVERSITY (60-90 hours)

Required courses varies from school to school

COURSE SUBJECT	SEMESTER HOURS
Biology	8
General Chemistry	8
Organic Chemistry	8
Calculus	4-8
Physics	8
Communication	6
Psychology	3
Social Sciences/Humanities	3
Electives	8-30

Average GPA (pre-chiropractic students)

2.9 – 3.2

Semester I (15-17 hours recommended)

For variations see ALL PRE-PROFESSIONAL HEALTH PROGRAMS section

ENGLISH (3 – 4 hours)

ENGL 1100 (4)	Rhetoric and Composition-Basic <i>or</i>
ENGL 1110 (3)	Rhetoric and Composition <i>or</i>
ENGL 1120 (3)	Rhetoric and Research
<i>(English determined by placement exams and English department)</i>	
CHEM 2110 (4)	General Chemistry I
MATH 2010 (4)	Calculus I
BIOL 2210 (4)	Foundations of Modern Biology I
LART 1050 (1)	First Year Experience Seminar

Semester II (17 hours recommended)

ENGL 1120 (3)	Rhetoric and Research
<i>Check SEM I. placement to determine SEM II level – must pass SEM. I with a C- or better to move to next level</i>	
CHEM 2120 (4)	General Chemistry II
BIOL 2220 (4)	Foundations of Modern Biology II

MATH 2020 (4)
LIBERAL ARTS (0-4)

Calculus II (*If MATH2010 was taken SEM. I*)
Course that meets Liberal Arts requirement

PRE-DENTISTRY

DR. SCOTT CARR

EXT. 4371

GENERAL

Pre-dentistry is considered primarily a four-year pre-professional program; although, the number of students finishing in only three years is increasing. Dental schools provide a four-year curriculum and confer the Doctor of Dentistry degree upon graduation. Although most dentists enter directly into practice, an increasing number are entering specialty residencies of 1-3 years.

RECOMMENDED MAJOR

No specific major recommended by dentistry schools; however, pre-dentistry is **not** a stand-alone major. **Chemistry** and **Physics** majors have the most overlap, suggest these majors only if student interest is high. **Biology** is also a good major to consider but only if there is a high degree of interest in this field. Advise student to contact pre-professional advisor for a list of other majors that work well with the pre-dentistry program.

MINIMUM COURSE LOAD AT ANDERSON UNIVERSITY (90-124 hours)

Required courses varies from school to school

COURSE SUBJECT	SEMESTER HOURS
Biology	8
General Chemistry	8
Organic Chemistry	8
Calculus	4-8
Physics	8
Communication	6
Manual Dexterity skills (ceramics preferred)	2
Electives	42-76
Entering GPA (for majority of students)	3.5 – 3.6
Entering GPA (for minority of students)	2.5 – 3.0

Semester I (*15-17 hours recommended*)

For variations see ALL PRE-PROFESSIONAL HEALTH PROGRAMS section

ENGLISH (3 – 4 hours)

ENGL 1100 (4) Rhetoric and Composition-Basic **or**
ENGL 1110 (3) Rhetoric and Composition **or**
ENGL 1120 (3) Rhetoric and Research

(English determined by placement exams and English department)

CHEM 2110 (4) General Chemistry I
MATH 2010 (4) Calculus I
BIOL 2210 (4) Foundations of Modern Biology I
LART 1050 (1) First Year Experience Seminar

Semester II (*17 hours recommended*)

ENGL 1120 (3) Rhetoric and Research

Check SEM I. placement to determine SEM II level – must pass SEM. I with a C- or better to move to next level

CHEM 2120 (4) General Chemistry II
BIOL 2220 (4) Foundations of Modern Biology II
MATH 2020 (4) Calculus II (*If MATH2010 was taken SEM. I*)
LIBERAL ARTS (0-4) Course that meets Liberal Arts requirement

GENERAL

Neither the American Bar Association nor individual law schools recommend particular majors or specific groups of courses for students preparing to attend law school. There are, however, certain skills, values, and bodies of knowledge that are generally recognized to provide a solid foundation for the study of law. The following list is from the American Bar Association's statement on "Preparing for Law."

- Problem Solving
- Critical Reading
- Writing and Editing
- Oral Communication and Listening
- Research
- Organization and Management
- Public Service and Promotion of Justice
- Background Knowledge
 - A broad understanding of history, including the various factors (social, political, economic, and cultural) that have influenced the development of our society in the United States.
 - A fundamental understanding of political thought and of the contemporary American political system.
 - Some basic mathematical and financial skills, such as an understanding of basic pre-calculus mathematics and an ability to analyze financial data.
 - A basic understanding of human behavior and social interaction.
 - An understanding of diverse cultures within and beyond the United States, of international institutions and issues, and of the increasing interdependence of the nations and communities within our world.
- Exposure to the Law (e.g., an internship, job shadowing, mentoring)

Semester I

Students should take one or more of the following Liberal Arts courses

POSC 2100 (3)	American National Government
HIST 2110 (3)	American Civilization I
HIST 2120 (3)	American Civilization II
PSYC 2000 (3)	General Psychology
COMM 1000 (3)	Intro to Speech Communication

Semester II

POSC 2210 (3)	Introduction to Legal Studies
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First-Year students should consult with the Pre-Law Advisor prior to Semester II registration. Alternatively, students should take one or more of the Liberal Arts courses listed above as well as consider an appropriately challenging Math class.

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. Interested students should also consider the minor in legal studies.

GENERAL

This is usually a four-year pre-professional program culminating in a bachelor's degree. The allopathic medical schools provide a four year curriculum conferring the degree of Doctor of Medicine. The new MD then spends 2-8 years in residency before moving out on his/her own to practice medicine. Osteopathic medical education program is four years culminating in the Doctor of Osteopathy (DO); the new graduate goes on to 2-3 years of residency depending on the area of specialization.

RECOMMENDED MAJOR

No specific major recommended by medical schools. **Chemistry** and **Physics** majors have the most overlap, suggest these majors only if student interest is high. **Biology** is also a good major to since much of the first two years of medical school deals with biological sciences; however, the biology major should be chosen on the basis of alternative career choice, interest and ability (just as any major) rather than perceived benefits to future medical education program. Advise student to contact pre-professional health advisor for a list of majors that work well with the pre-medicine program.

Note: Osteopaths enjoy an unlimited practice. **Osteopathic** medicine differs from **allopathic** medicine in two primary respects: 1) **Osteopathic** physicians use manipulative techniques in diagnoses and treatment of disease (same as in chiropractic) in addition to techniques usually employed by allopathic physicians. 2) **Osteopathic** physicians are philosophically dedicated and trained in preventive and general medicine.

MINIMUM COURSE LOAD AT ANDERSON UNIVERSITY (90-124 hours)

Course	Description	Semester Hours
BIOL 2210/2220	Foundations of Modern Biology I/II	8
CHEM 2110/2120	General Chemistry I/II	8
CHEM 2210/2220	Organic Chemistry I/II	8
MATH 1400 or 2010/2020	Applied Calculus or Calculus I/II	4 – 8
PHYS 2140/2150	General Physics I/II	8
ELECTIVES	Writing, Communication, Sociology, Fine Arts, History, Psychology, etc.	50 – 84

Average GPA (all students matriculating to medical schools) 3.6 – 3.8

Average GPA (for minority of pre-med students) 2.9 – 3.5

Medical College Admissions Test (MCAT) with average of 9 for each subsection of the test.

Semester I (15-17 hours recommended)

For variations see **ALL PRE-PROFESSIONAL HEALTH PROGRAMS** section

ENGLISH (3 – 4 hours)

ENGL 1100 (4) Rhetoric and Composition-Basic **or**

ENGL 1110 (3) Rhetoric and Composition **or**

ENGL 1120 (3) Rhetoric and Research

(English determined by placement exams and English department)

CHEM 2110 (4) General Chemistry I

MATH 2010 (4) Calculus I

BIOL 2210 (4) Foundations of Modern Biology I

LART 1050 (1) First Year Experience Seminar

Semester II (17 hours recommended)

ENGL 1120 (3) Rhetoric and Research

Check SEM I. placement to determine SEM II level – must pass SEM. I with a C- or better to move to next level

CHEM 2120 (4) General Chemistry II

BIOL 2220 (4) Foundations of Modern Biology II

MATH 2020 (4) Calculus II (If MATH2010 was taken SEM. I)

LIBERAL ARTS (0-4) Course that meets Liberal Arts requirement

PRE-OCCUPATIONAL THERAPY

DR. KIMBERLY LYLE-IPPOLITO

EXT. 4334

GENERAL

All schools of occupational therapy provide graduate professional degrees (MS and/or PhD). Entry into these graduate programs requires a bachelor's degree; **the preferred major is Biology**. It is essential that the student obtain a catalog from the specific school or college of occupational therapy that he/she plans to attend and present it to the advisor within **two weeks** of beginning the semester.

RECOMMENDED MAJOR

BIOLOGY

MINIMUM COURSE LOAD AT ANDERSON UNIVERSITY (124 hours)

(Not all the courses listed below are required by all schools, and some schools may require other classes not included in this sample.)

FOR	COURSE SUBJECT	CAPTION	HOURS
MAJOR	Foundations of Modern Biology I	BIOL 2210	4
MAJOR	Foundations of Modern Biology II	BIOL 2220	4
MAJOR	Microbiology	BIOL 3030	4
MAJOR	Cell Biology	BIOL 2240	4
MAJOR	Genetics	BIOL 4050	4

MAJOR	Upper Division Courses	BIOL 3000-4000	12
MAJOR	Ecology & Evolution	BIOL 3070	4
MAJOR	Science Seminar	BIOL 4910-4920	2
MAJOR	Physics I & II	PHYS 2140 or 2240/ PHYS 2150 or 2250	8
MAJOR	General Chemistry I & II	CHEM 2110, 2120	8
MAJOR	Organic Chemistry I & II	CHEM 2210, 2220	8
MAJOR	Statistics, Introduction	PSYC 2440/MATH 2120	4
MAJOR	Math	MATH 2000+	4
MAJOR	Biology	BIOL 3920 or BIOL 3510	2
LIBERAL ARTS	Psychology	PSYC 2000	3
OT PROG	Developmental Psychology	PSYC 2510	4
OT PROG	Abnormal Psychology	PSYC 3120	4
OT PROG	Computer science	CPSC 1100	4
OT PROG	Medical Terminology	BIOL 2010	3
LIBERAL ARTS	Ethics	PHIL 2120	3
LIBERAL ARTS	Intro to Speech Communications	COMM 1000	3
LIBERAL ARTS	Sociology	SOCI 2010	3
LIBERAL ARTS	Electives		45
TOTAL	MINIMUM		124

Semester I (15-17 hours recommended)

ENGL 1100 (4)	Rhetoric and Composition-Basic or
ENGL 1110 (3)	Rhetoric and Composition or
ENGL 1120 (3)	Rhetoric and Research
(English determined by placement exams and English department)	
CHEM 2110 (4)	General Chemistry I
BIOL 2210 (4)	Foundations of Modern Biology I
MATH 2100 (4)	Calculus
LART 1050 (1)	First Year Experience Seminar

Semester II (17 hours recommended):

Impress upon the student the importance of seeing Dr. Lyle-Ippolito before registering for second semester.

ENGL 1120 (3)	Rhetoric and Research
<i>Check SEM I. placement to determine SEM II level – must pass SEM. I with a C- or better to move to next level</i>	
CHEM 2120 (4)	General Chemistry II
BIOL 2220 (4)	Foundations of Modern Biology II
MATH 2120 (4)	Introductory Statistics with Applications or
PSYC 2440 (4)	Applied Statistics and Introduction to Research
LIBERAL ARTS (0-4)	Course that meets Liberal Arts requirement

PRE-OPTOMETRY

PROF. MICHAEL BAILEY

EXT. 4332

GENERAL

Although a bachelor's degree is not required, most students who apply to optometry schools do graduate with a bachelor's degree from their undergraduate institution. Most optometry school applicants sit for the OAT exam following their sophomore or junior year in college. Schools of optometry offer a four year curriculum that culminates in the Doctor of Optometry (OD) degree. Most OD graduates enter directly into practice after graduation; a large proportion move into private practice. It is essential that the student obtain a catalog from the specific school or college of Optometry the student plans to attend.

RECOMMENDED MAJOR

Major (when declared) is irrelevant for admission purposes. **Biology, Chemistry** or **Physics** would be good choices due to the high overlap of program courses; however, a major should be chosen on the basis of interest, skills and as a backup professional plan. Students not earning a degree from Anderson University do not need to declare a major or meet liberal arts requirements.

MINIMUM COURSE LOAD AT ANDERSON UNIVERSITY (90-124 hours)

(Not all the courses listed below are required by all schools, and some schools may require other classes not included in this sample.)

COURSE SUBJECT		FRESHMAN HOURS	SOPHOMORE HOURS	JUNIOR HOURS	SENIOR HOURS
General Biology I/II	BIOL 2210/2220	8			
General Chemistry I/II	CHEM 2110/2120	8			
Organic Chemistry I/II	CHEM 2210/ 2220		8		
Calculus I	MATH 2010*	4			
Statistics	PSYC 2440 or MATH 2120*			4	
English	ENGL 1100-1120	6-10			
Microbiology	BIOL 3030		4		
Cell Biology	BIOL 2240		4		
Physics I/II	PHYS 2140/2150			8	
Psychology	PSYC 2000		3		
Anatomy/Physiology I/II	BIOL 2410/2420+			8	
Biochemistry	BIOL/CHEM 4210			4	
Electives		0-3	8-9	12-13	31-32
Total		31-32	31-32	31-32	31-32

Semester I (15-17 hours recommended):

ENGL 1100 (4)	Rhetoric and Composition-Basic <i>or</i>
ENGL 1110 (3)	Rhetoric and Composition <i>or</i>
ENGL 1120 (3)	Rhetoric and Research
<i>(English determined by placement exams and English department)</i>	
CHEM 2110	General Chemistry I
MATH 2010	Calculus
BIOL 2210	Foundations of Modern Biology I
LART 1050	First Year Experience
LIBERAL ARTS (0-5)	Course that meets Liberal Arts requirement

Semester II (17 hours recommended):

Strongly encourage student to see Professor Bailey before registering for second semester.

ENGL 1120 (3)	Rhetoric and Research
<i>Check SEM I. placement to determine SEM II level – must pass SEM. I with a C- or better to move to next level</i>	
CHEM 2120 (4)	General Chemistry II
BIOL 2220	Foundations of Modern Biology II
MATH 2020	Calculus II <i>(If MATH2010 was taken SEM. I)</i>
LIBERAL ARTS (0-4)	Course that meets Liberal Arts requirement

***Some optometry schools have different requirements. Work with your advisor to be certain you meet any and all pre-requisites.**

PRE-PHARMACY

DR. SCOTT CARR

EXT. 4371

GENERAL

This is generally a two-year pre-professional health program although about 30% of those matriculating to schools of pharmacy have Bachelor's degrees. Therefore, the student is **strongly** advised to contact the pharmacy school(s) they are interested in attending sometime during the **first semester** of the **freshman** year and to obtain an official list of pre-pharmacy courses required by the institution. Students apply to a school of pharmacy at the **beginning** of their **sophomore** year. The usual application deadlines vary but are usually sometime within the month of March. If accepted, the student transfers to the school of pharmacy where an additional 4-5 years is required to earn the Doctor of Pharmacy degree (Pharm. D.) which is now the minimum degree for licensure. Most schools will still award the B. Pharm. degree (especially for those not already having a bachelor's degree) but it cannot be used to qualify for practice under this system. After receiving the qualifying degree and passing the licensing exam, he or she may go into independent practice.

RECOMMENDED MAJOR

The major only has to be considered if the student plans to graduate from AU. A **Chemistry** major with a strong organic component coupled with strong **Biology** minor (microbiology, cell biology, and physiology) would be a good combination.

Semester I (15-17 hours recommended)

ENGL 1100 (4)	Rhetoric and Composition-Basic <i>or</i>
ENGL 1110 (3)	Rhetoric and Composition <i>or</i>
ENGL 1120 (3)	Rhetoric and Research
<i>(English determined by placement exams and English department)</i>	
CHEM 2110 (4)	General Chemistry I
BIOL 2210 (4)	Foundations of Modern Biology I
MATH 1400 (4)	Applied Calculus
LART 1050 (1)	First Year Experience Seminar
LIBERAL ARTS (0-5)	Course that meets Liberal Arts requirement

Semester II (17 hours recommended)

Impress upon the student the importance of seeing Dr. Carr before registering for second semester.

ENGL 1120 (3)	Rhetoric and Research
<i>Check SEM I. placement to determine SEM II level – must pass SEM. I with a C- or better to move to next level</i>	
CHEM 2120 (4)	General Chemistry II
BIOL 2220 (4)	Foundations of Modern Biology II
MATH 2120 (4)	Introductory Statistics with Applications <i>or</i>
PSYC 2440 (4)	Applied Statistics and Introduction to Research
LIBERAL ARTS (0-4)	Course that meets Liberal Arts requirement

PRE-PHYSICAL THERAPY**DR. KIMBERLY LYLE-IPPOLITO****EXT. 4334****GENERAL**

All schools of physical therapy confer a PhD in the field which is required to sit for licensure. This program requires a bachelor's degree for entry. The competition for open positions in this program is intense - sometimes even more than is seen in pre-medicine. These are not the programs to recommend students who are academically less qualified than those planning to enter medicine - their respective programs require the same rigor and performance. Unfortunately, the curricula to these programs is not standardized as in medicine so it is critical for the student to know which program they plan to enter, obtain the admission requirements for that program and present them to their pre-professional health advisor.

RECOMMENDED MAJOR

Biology

MINIMUM COURSE LOAD AT ANDERSON UNIVERSITY (120 hours)

(Not all the courses listed below are required by all schools, and some schools may require other classes not included in this sample.)

FOR	COURSE SUBJECT	CAPTION	HOURS
MAJOR	Foundations of Modern Biology I	BIOL 2210	4
MAJOR	Foundations of Modern Biology II	BIOL 2220	4
MAJOR	Microbiology	BIOL 3030	4
MAJOR	Cell Biology	BIOL 2240	4
MAJOR	Genetics	BIOL 4050	4
MAJOR	Upper Division Courses (Must include BIOL4120)	BIOL 3000-4000	12
MAJOR	Ecology & Evolution	BIOL 3070	4
MAJOR	Science Seminar	BIOL 4910-4920	2
MAJOR	General Chemistry I & II	CHEM 2110, 2120	8
MAJOR	Organic Chemistry I & II	CHEM 2210, 2220	8
MAJOR	Physics I & II	PHYS 2140 or 2240/ PHYS 2150 or 2250	8
MAJOR	Statistics, Introduction	PSYC 2440/MATH2120	4
MAJOR	Math	MATH 2000+	4
MAJOR	Biology	BIOL 3920 or BIOL 3510	2
PT PROG	Human Anatomy and Physiology	BIOL 2410-2420	8
PT PROG	Kinesiology	PEHS 4120	4
LIBERAL ARTS	Psychology	PSYC 2000	3

PT PROG	Calculus	MATH 1400	4
PT PROG	Computer science	CPSC 1100	4
PT PROG	Medical Terminology	BIOL 2010	3
LIBERAL ARTS	Ethics	PHIL 2120	3
LIBERAL ARTS	Intro to Speech Communication	COMM 1000	3
LIBERAL ARTS	Sociology	SOCI 2010	3
LIBERAL ARTS	Electives		29
TOTAL	MINIMUM		124

Semester I (15-17 hours recommended)

ENGL 1100 (4)	Rhetoric and Composition-Basic <i>or</i>
ENGL 1110 (3)	Rhetoric and Composition <i>or</i>
ENGL 1120 (3)	Rhetoric and Research
(English determined by placement exams and English department)	
CHEM 2110 (4)	General Chemistry I
BIOL 2210 (4)	Foundations of Modern Biology I
MATH 2100 (4)	Calculus
LART 1050 (1)	First Year Experience Seminar
LIBERAL ARTS (0-5)	Course that meets Liberal Arts requirement

Semester II (17 hours recommended)

Impress upon the student the importance of seeing Dr. Lyle-Ippolito before registering for second semester.

ENGL 1120 (3)	Rhetoric and Research
<i>Check SEM I. placement to determine SEM II level – must pass SEM. I with a C- or better to move to next level</i>	
CHEM 2120 (4)	General Chemistry II
BIOL 2220 (4)	Foundations of Modern Biology II
MATH 2120 (4)	Introductory Statistics with Applications <i>or</i>
PSYC 2440 (4)	Applied Statistics and Introduction to Research
LIBERAL ARTS (0-4)	Course that meets Liberal Arts requirement

PRE-PODIATRY

DR. SCOTT CARR

EXT. 4371

GENERAL

Usually a four-year pre-professional program, although about 30% of all those matriculating to a college of podiatric medicine have finished only three years. In some but not all colleges, a bachelor's degree is awarded at the same time as the Podiatric Medicine degree is awarded to those who matriculate before getting a bachelor's degree. The bachelor's degree-if conferred-is from the School of Podiatry rather than AU. Colleges of podiatric medicine generally offer a three-year curriculum that is now generally followed by at least one year of formal residency or a less formal apprentice type of association with an established practitioner.

MINIMUM COURSE LOAD AT ANDERSON UNIVERSITY (90-124 hours)

Course	Description	Semester Hours
BIOL 2210/2220	Foundations of Modern Biology I/II	8
CHEM 2110/2120	General Chemistry I/II	8
CHEM 2210/2220	Organic Chemistry I/II	8
MATH 1400 or 2010/2020	Applied Calculus or Calculus I/II	4 – 8
PHYS 2140/2150	General Physics I/II	8
ELECTIVES	Writing, Communication, Sociology, Fine Arts, History, Psychology, etc.	50 – 84

Average GPA (all students matriculating to medical schools) 3.2 – 3.6

Average GPA (for minority of Premed students) 2.5 – 3.5

Medical College Admissions Test (MCAT) with average of 7 for each subsection of the test.

Semester I (15-17 hours recommended)

*For variations see **PRE-PROFESSIONAL HEALTH PROGRAMS** section*

ENGL 1100 (4)	Rhetoric and Composition-Basic <i>or</i>
ENGL 1110 (3)	Rhetoric and Composition <i>or</i>

ENGL 1120 (3)	Rhetoric and Research (English determined by placement exams and English department)
CHEM 2110 (4)	General Chemistry I
MATH 2010 (4)	Calculus I
BIOL 2210 (4)	Foundations of Modern Biology I
LART 1050 (1)	First Year Experience Seminar

PRE-VETERINARY

DR. KIMBERLY LYLE-IPPOLITO

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GENERAL

Colleges of Veterinary medicine offer a four-year professional program culminating in the Doctor of Veterinary Medicine (DVM). Most graduates do a 1-3 year residency specializing in a particular area of the field. Admission to the school can be made with only 90 hours of undergraduate work being completed - a bachelor's degree is not required but is preferred for traditional students. Unfortunately, admission requirements are not standard from school to school making it essential that the student know by the end of the sophomore year the school she/he plans to attend. This selection should be made known to the advisor so that a complete pre-professional program can be planned. Competition for admission to veterinary medical education programs are even more intense than for medicine since there are less total positions available in US veterinary schools than US medical schools. Not all states have a school of veterinary medicine but all states have a means to support residents to attend a school through cooperative state arranged cooperative agreements.

RECOMMENDED MAJOR

Biology

PRE-VETERINARY (Cont'd)

DR. KIMBERLY LYLE-IPPOLITO

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MINIMUM COURSE LOAD AT ANDERSON UNIVERSITY (90-124 hours)

FOR	COURSE SUBJECT	CAPTION	HOURS
MAJOR	Foundations of Modern Biology I	BIOL 2210	4
MAJOR	Foundations of Modern Biology II	BIOL 2220	4
MAJOR	Microbiology	BIOL 3030	4
MAJOR	Cell Biology	BIOL 2240	4
MAJOR	Genetics	BIOL 4050	4
MAJOR	Upper Division Courses (BIOL3170, 4120, & 4210)	BIOL 3000-4000	12
MAJOR	Ecology & Evolution	BIOL 3070	4
MAJOR	Science Seminar	BIOL 4910-4920	2
MAJOR	General Chemistry I & II	CHEM 2110, 2120	8
MAJOR	Physics I & II	PHYS 2140 or 2240/ PHYS 2150 or 2250	8
MAJOR	Statistics, Introduction	PSYC 2440/MATH2120	4
MAJOR	MATH	MATH 2000+	4
MAJOR	Biology	BIOL 3920 or BIOL 3510	2
MAJOR	Organic Chemistry I & II	CHEM 2210-2220	8
VET PROGRAM	Analytical Chemistry	CHEM 3100	4
VET PROGRAM	Calculus	MATH 2010-2020	8
VET PROG LIBERAL ARTS	Economics	ECON 2010	3
	Animal Nutrition [^]		
	Animal Experience ⁺		
VET PROGRAM LIBERAL ARTS	Electives		49
TOTAL	MINIMUM		124

Average GPA (all students matriculating to medical schools)

3.7 – 3.9

Average GPA (for minority of pre-med students)

3.0 – 3.6

^Highly recommended but **not** offered at AU; check listings at Purdue or IUPUI; closest course would be BIOL 2140, Nutrition in Health and Disease.

†This experience should be either paid or volunteer work in an animal care facility over a significant period of time. Many schools require this experience as part of the application process; the rest will give preferential admissions to those having this experience.

Semester I – 15-17 hours

(For variations see **PRE-PROFESSIONAL HEALTH PROGRAMS** section.)

ENGL 1100 (4) Rhetoric and Composition-Basic **or**

ENGL 1110 (3) Rhetoric and Composition **or**

ENGL 1120 (3) Rhetoric and Research

(English determined by placement exams and English department)

CHEM 2110 (4) General Chemistry I

BIOL 2210 (4) Foundations of Modern Biology I

LART 1050 (1) First Year Experience Seminar

Semester II (17 hours recommended)

ENGL 1120 (3) Rhetoric and Research

Check SEM I. placement to determine SEM II level – must pass SEM. I with a C- or better to move to next level

CHEM 2120 (4) General Chemistry II

BIOL 2220 (4) Foundations of Modern Biology II

MATH 2020 (4) Statistics Introduction (If MATH 2010 was taken SEM. I)

MEDICAL TECHNOLOGY

DR. KIMBERLY LYLE-IPPOLITO

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The student interested in becoming a medical technologist completes three years at Anderson University and the final (clinical year) of training at either Parkview Hospital in Fort Wayne or Clarian Health in Indianapolis. 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.