



the Bulletin

AUGUST 2009 - UNDERGRADUATE ISSUE

→ Explore a Different Issue

College of Arts and Sciences

(MUS) Music (Collapse Description)

Music is a unique form of expression and communication. A course of study provides for aesthetic understanding and an opportunity to translate musical concepts into valuable and practical skills. The Department of Music of the University of Dayton provides academic coursework to foster artistic understanding and creative thinking, practical instruction to develop musical skills, and substantial laboratory and performance experience.

The Department of Music is a member of the National Association of Schools of Music, which accredits its degree programs and curricula. In addition, the music education degree program is approved by the State of Ohio and the music therapy degree program by the American Music Therapy Association.

The Department of Music has numerous performing ensembles open to all students: the University Chorale, Choral Union, Opera Workshop, Ebony Heritage Singers, World Music Choir, Hands in Harmony Singing Choir, and Celebration Vocal Transit, University Orchestra, Symphonic Wind Ensemble, Concert Band, "Pride of Dayton" Marching Band, Javanese Gamelan, Pep Band, Jazz ensembles, Early Music Ensemble, and instrumental chamber music groups.

The Department of Music offers five degree programs:

Bachelor of Arts with a major in Music (MUS)
 Bachelor of Music with a major in Music Composition (MUC)
 Bachelor of Music with a major in Performance (MUP)
 Bachelor of Music with a major in Music Therapy (MUT)
 Bachelor of Music with a major in Music Education (MUE)

All prospective music students must be admitted to the University of Dayton by the Office of Admission. In addition, all prospective students must (1) furnish the Department of Music with letters of recommendation from their high school music teachers and/or performance teachers and (2) successfully complete the performance audition, preferably in person, but also via recording. Specific information regarding audition requirements and dates is available from the department office and the College web site.

The Department of Music offers a minor in music and a minor in music technology for non-music majors.

Transfer students pursuing a major in MUC, MUP, or MUT must complete at least twenty-four of the required semester hours in the Department of Music while in residency at the University of Dayton. Transfer students pursuing a major in MUE must complete at least twenty of the required semester hours in the Department of Music while in residency at the University of Dayton. Transfer students pursuing a music minor must complete at least twelve of the required semester hours in the Department of Music while in residency.

Faculty

Sharon Davis Gratto, Chairperson
 Professors Emeriti: Benedum, Sandness
 Professors: Chenoweth, Cox, Gratto, Hartley, Magnuson, Snyder, Street
 Associate Professors: Gardstrom, Morris, Reynolds
 Assistant Professors: Jones, Liu, MacLachlan
 Visiting Assistant Professor: Sink
 Lecturers: Gross, Hiller, Porcaro
 Artists-in-Residence: Benjamin, Farris, Leslie, McCutcheon

Majors/Minors (Collapse All)

Search Academic Information General Information

Explore by Department / Program:

Mathematics
 Mechanical and Aerospace Engineering
 Military Science, ROTC
 Music

Explore

Explore by Major / Minor:

Music Education (MUE)
 Music Performance (MUP)
 Music Technology (MUS)
 Music Therapy (MUT)

Explore

Explore by Courses:

Mechanical and Aerospace Engineerin... (MEE)
 Mechanical Engineering Technology (MCT)
 Military Science, ROTC (MIL)
 Music (MUS)

Explore

Major/Minor Name

Bachelor of Arts with a major in Music (MUS)

	Sem. Hrs.
Music	43
Music Theory and Aural Skills	16
MUS 111, 112, 113, 114, 211, 212, 213, 214	
Music History and Literature	9
MUS 301, 302, 303	
Conducting	2
MUS 240	
Performance studies, including functional keyboard skills	12
MUS 296, 297, 298, 299, (399 or 499)	
Ensemble	4
MUS (390 ¹ or 491 or 492 or 493)	
Recital attendance (seven semesters)	
MUS 200	

Liberal Studies Curriculum

Humanities and Fine Arts	
Philosophy and Religious Studies including:	12
PHL 325	
History (includes MUS 301)	6
Literature: English or Foreign Language	3
Creative and Performing Arts (including MUS or other arts)	3
Foreign Language and/or Additional Arts and/or Humanities	3-9
Social Sciences	12
Mathematics (excludes MTH 102, 204, 205)	3
Natural Sciences	11
Communication Competencies	0-9
Introduction to the University: ASI 150	0-1
General Education courses/academic electives to total at least	124

¹Choose from any MUS 390. See course descriptions.

Bachelor of Music with a major in Music Composition (MUC)

	Sem. Hrs.
Music	87
Music Theory and Aural Skills	16
MUS 111, 112, 113, 114, 211, 212, 213, 214	
Composition ¹	12
MUS 121, 122, 221, 222, 321, 322, 421, 422	
Music History and Literature	9
MUS 301, 302, 303	
Score reading	2
MUS 314	
Orchestration or arranging	4
MUS (316 or 318), 416	
Conducting	4
MUS 240, (345 or 346)	
Performance Studies ²	12
MUS 296, 297, 298, 299, (399 or 499)	
Ensemble	8
MUS (491 or 492 or 493) ³	

Recital attendance (seven semesters)	
MUS 200	
Professional Development Workshop (seven semesters)	
MUS 202	
Theory and/or composition electives	10
MUS electives	10
Communication Competencies	0-9
Philosophy and Religious Studies (includes PHL 325)	12
Natural Sciences	6
Mathematics (excludes MTH 102, 204, 205)	3
Social and Behavioral Sciences	6
History (HST 103 or 198)	3
Other non-music electives	9
Introduction to the University: ASI 150	0-1
General Education courses/academic electives to total at least	136

¹Each composition major must present one and a half recitals of original work by the senior year.

²Functional Keyboard Skills or equivalent is required.

³May substitute MUS 390 with permission.

Bachelor of Music with a major in Music Education (MJE)

Music¹	Sem. Hrs. 80.5-82.5
Music Theory and Aural Skills	16
MUS 111, 112, 113, 114, 211, 212, 213, 214	
Functional keyboard skills	4
MUS 296, 297, 298, 299	
Music History and Literature	9
MUS 301, 302, 303	
Arranging	2
MUS 318	
Introduction to music education	2
MUS 231	
Performance studies on the student's principal instrument leading to a minimum of a half-recital during the junior or senior year (seven semesters)	14
MUS 399	
Recital attendance (seven semesters)	
MUS 200	
Ensemble	5
General (five semesters)	
MUS (491 or 492 or 493)	
Professional Development Workshop (seven semesters)	
MUS 202	
Additional requirements for band specialization ²	28.5
Music Education	
MUS 195, 236, 331, 332, 335, 336 ³ , 337 ³ , 338 ⁴ , 339 ³ , 340, 430, 431	
Conducting	
MUS 240, 346	
Small Ensembles (four semesters at 0.5 sem. hrs. each)	
Additional requirements for orchestra specialization ²	30.5

Music Education	
MUS 195, 236, 331, 332, 335, 336 ³ , 337 ³ , 338 ⁴ , 339 ³ , 340	
Conducting	
MUS 240, 346	
String minor (two semesters)	
MUS 399	
Small Ensembles (four semesters at 0.5 sem. hrs. each)	
Additional requirements for choral specialization ²	30
Music Education	
MUS 235, 237, 238, 331, 332, 335, 338 ⁶ , 339, 340	
Conducting	
MUS 240, 345	
Guitar	
MUS 195, 295	
Diction and literature	
MUS 408	
Piano or voice minor (two semesters)	
MUS 399	
Ensembles	
Additional requirements for classroom specialization ²	30
Music Education	
MUS 235, 237, 238, 331, 332, 335, 338 ⁶ , 339, 340	
Conducting	
MUS 240	
Guitar	
MUS 195, 295	
Improvisation	
MUS 381	
Piano or voice minor (three semesters)	
MUS 399	
Ensembles	
Teacher Education ¹	25
EDT 110, 110L, 207, 207L, 305, 459, 479	
Communication Competencies	0-9
Philosophy and Religious Studies including:	9
PHL 325	
Natural Sciences	6
Mathematics (excludes MTH 102, 204, 205)	3
Social and Behavioral Sciences	3
History	3
HST (103 or 198)	
Introduction to the University: ASI 150	0-1
General Education courses/academic electives to total at least	139.5

¹Students in the music education program are required to maintain a 2.5 cumulative grade point average, and a 2.5 cumulative average in teacher education and music courses.

²Students will select one of four speciality areas (band, choral, classroom, or orchestra). Upon completion of the degree, candidates will receive a provisional multi-age license from the State of Ohio to teach classroom, instrumental, and vocal music from pre-kindergarten through senior high school.

³Two semesters of this course must be completed for a total of two semester hours.

⁴Two semesters of MUS 338 must be completed for a total of one and a half semester hours.

⁵Choose from any one half semester hour MUS 390. See course descriptions.

⁶One semester of MUS 338 must be completed for a total of one semester hour.

⁷Choose from any MUS 390. See course descriptions.

Bachelor of Music with a major in Music Performance (MUP)

	Sem. Hrs.
Music	87
Music Theory and Aural Skills	16
MUS 111, 112, 113, 114, 211, 212, 213, 214	
Music History and Literature	9
MUS 301, 302, 303	
Conducting and Arranging	4
MUS 240, 318	
Performance Studies ¹	36
Major area of specialization	24-32
Minor area of specialization ²	4-12
Ensemble	8
MUS (491 or 492 or 493)	
Recital attendance (seven semesters)	
MUS 200	
Professional Development Workshop (seven semesters)	
MUS 202	
MUS electives ³	14
Communication Competencies	0-9
Philosophy and Religious Studies including:	12
PHL 325	
Natural Sciences	6
Mathematics (excludes MTH 102, 204, 205)	3
Social and Behavioral Sciences	6
History (HST 103 or 198) ⁴	3
Other non-music electives ⁴	3
Introduction to the University: ASI 150	0-1
General Education courses/academic electives to total at least	136

¹Performance study in major area must lead to a half junior solo recital and a full senior solo recital.

²Must include MUS 296-299 or MUS 399.

³Voice majors must take MUS 235 and MUS 408; piano majors must include MUS 405 and 435; instrumental majors must take a pedagogy course in their area of specialization. Wind, string, brass and percussion majors should register for the appropriate pedagogy course in their area of performance (MUS 336-339). Majors are strongly urged to register for a Special Topics class with their performance instructor chosen to complement other performance studies.

⁴Voice majors must include two semesters of foreign language study.

Bachelor of Music with a major in Music Therapy (MUT)

	Sem. Hrs.
Music	87
Music Theory and Aural Skills	16
MUS 111, 112, 113, 114, 211, 212, 213, 214	
Music History and Literature	9
MUS 301, 302, 303	

Conducting and Arranging	4
MUS 240, 318	
Performance studies on the student's principal instrument leading to a minimum of a half-recital during the junior or senior year.	10
MUS 399	
Vocal and instrumental methods, including accompanying instruments of piano and guitar	8
MUS 195, 295, 296, 297, 298, 299, 338 ¹	
Select one semester hour from:	
MUS 237, 238, 293	
Music therapy, including core courses and practica	27
MUS 280, 282, 285, 286, 287, 288, 289, 290, 381, 382, 385, 386, 387, 388, 486	
Music and dance electives	5
Ensemble	6
MUS (491 or 492 or 493)	
Recital attendance (seven semesters)	
MUS 200	
Professional Development Workshop (seven semesters)	
MUS 202	
Music therapy internship	2
MUS 489 ³	
Psychology	12
PSY 101, 351, 355, 363	
Sciences including:	6
HSS 305	
Communication Competencies	0-9
Philosophy and Religious Studies including:	12
PHL 325	
Mathematics (excludes MTH 102, 204, 205)	3
Recommended	
MTH 207	
History (HST 103 or 198)	3
Introduction to the University: ASI 150	0-1
General Education courses/academic electives to total at least	133

¹One semester of MUS 338 must be completed for a total of one semester hour.

²Choose from any MUS 390. See course descriptions.

³This internship of 1,040 hours is taken after student completes all other course requirements. In order to be recommended for an internship, the student must earn a grade of C- or better in each music therapy course, have an overall grade point average of at least 2.00 and a grade point average of at least 2.50 in music, music therapy, and psychology coursework. Upon successful completion of the internship, the graduate is eligible to take a national certification examination to become a Music Therapist--Board Certified.

Certificate in Church Music (MCH)

		Sem. Hrs.
Church Music		23-25
MUS 110 ¹	FUNDAMENTALS OF MUSIC	2
MUS 350	SACRED MUSIC HISTORY	3
MUS 351	CHURCH MUSIC ADMINISTRATION	2
MUS 390	LITURGICAL MUSIC LAB ENSEMBLE	1
MUS 399	PERFORMANCE STUDIES	1 - 2
MUS 452	CONTEMPORARY LITURGICAL MUSIC REPERTOIRE	2
MUS 459	CHURCH MUSIC INTERNSHIP	2

Select one course from:		
MUS 240	FUNDAMENTALS OF CONDUCTING	2
MUS 545		
Religious Studies		
REL 446 ²	CHRISTIAN LITURGY	3
Select total of six semester hours of study from the following Church Music Workshops:		6
MUS 318	FUNDAMENTALS OF ARRANGING	2
MUS 461	SPECIAL TOPICS IN CHURCH MUSIC	1 - 8
MUS 505, 506		

¹May substitute additional credits in performance studies or church music workshops for MUS 110.

²Or two to three semester hours of a suitable religious studies course.

Minor in Music (MUS)

	Sem. Hrs.
Music	22
Select either Track A or Track B.	
Track A:	
MUS 115, 116, (217 or 218), 301, 302	14
Music electives ^{1,2}	8
Track B:	
MUS 111, 112, 113, 114, 301, 302	14
Music electives ^{1,2}	8

¹Must include six semester hours at the 300- or 400-level.

²No more than two semester hours of ensemble (MUS 390, 491, 492, 493) will count toward the minor.

Minor in Music Technology (MUS)

The Department of Music offers a minor in Music Technology non-music majors. The minor emphasizes sound musicianship, combining a traditional approach to the study of music with a concentration in the theories, techniques, and technologies currently applied in all aspects of music production recording and media integration. Students will receive training in analog and digital audio recording techniques as well as MIDI, multimedia, video, and other computer applications.

	Sem. Hrs.
Music Technology	24
Music Theory (select an option)	8
Option A	
MUS 115, 116, (217 or 218)	
Option B	
MUS 111, 112, 113, 114	
Music Technology	5
MUS 223, 323	
Applied Studies ¹	6
MUS 399, 499	
Ensembles ²	2
MUS 491, 492, 493	
Music History and Music Literature (select one)	3
MUS 301, 302, 303	

¹Take a total of six semester hours from any combination of these courses.

²Take a total of two semester hours from any combination of these courses.

³Choose from any MUS 390. See course descriptions.

Courses (Collapse All Courses)

Code	Title	Sem. Hrs.
MUS 104	MUSIC LITERATURE FOR THE ELEMENTARY CLASSROOM Study of music literature and its direct application to elementary classroom use.	2
MUS 110	FUNDAMENTALS OF MUSIC For the student with no previous experience with theory of music. Notation of music, key and time signatures, fundamental harmonic progression, and introduction to the piano keyboard. Elementary ear training and dictation. Open to all University students.	2
MUS 111	THEORY OF MUSIC I Basic vocabulary and grammar of music: fundamentals (intervals, scales, modes, keys, triads), and counterpoint studies. Assignments are done with computer notation programs, and portions of the course use web-based texts.	2
MUS 112	THEORY OF MUSIC II Basic diatonic and chromatic harmonic vocabulary studies, emphasizing both writing and analysis skills. Assignments are done with computer notation programs, and portions of the course use web-based texts. Prerequisite(s): (MUS 111 with a grade of C- or better) or permission of instructor.	2
MUS 113	AURAL SKILLS I The hearing of musical structure is developed through active listening to representative pieces from music literature. Emphasis on formal relations, musical development and historical styles. Introduction to solfege singing and music transcription.	2
MUS 114	AURAL SKILLS II Further developing the ability to hear musical structure through transcription of intervals, melody, rhythm and harmonic patterns and short musical compositions of music in representative stylistic categories. Use of solfege singing to represent students' internalization of melodic structure. Prerequisite(s): (MUS 113 with a grade of C- or better) or permission of instructor.	2
MUS 115	MUSIC IN THEORY AND PRACTICE Music theory studies in an historical context, appropriate for non-music majors. Fundamentals of music vocabulary and music prior to 1600: origins of melody and counterpoint. Aural skills incorporated into daily classes. Open to all University students. Prerequisite(s): At least one year of instrument/voice studies which required note-reading ability. Corequisite(s): Current performance studies or active participation in a music ensemble which requires note-reading skills.	3
MUS 116	MUSIC IN THEORY AND PRACTICE Continuation of MUS 115: music between 1600-1900, harmony and analysis. Aural skills incorporated into daily classes. Prerequisite(s): MUS 115. Corequisite(s): Current performance studies or active participation in a music ensemble which requires note-reading skills.	3
MUS 121	COMPOSITION I Supplemental explorations for majors in music composition, to accompany work in MUS 111-112. Basic notational practices and application of traditional techniques to the creative process. Prerequisite(s): MUS 111 (may be taken as a corequisite).	1
MUS 122	COMPOSITION I	1

Supplemental explorations for majors in music composition, to accompany work in MUS 111-112. Basic notational practices and application of traditional techniques to the creative process.

Prerequisite(s): MUS 112 (may be taken as a corequisite).

Corequisite(s): MUS 121.

MUS 191 VOICE CLASS 2

Basic principles of good singing; development of the voice; vocal literature. Open to all students, especially non-music majors.

MUS 195 BEGINNING GUITAR CLASS I 1

Introduction to playing the guitar with emphasis on chord playing and accompaniment, improvisation, and application of the guitar to music teaching.

MUS 196 GROUP PIANO I 1

For the student with no previous piano study. Rudiments of music reading, performance of simple folk and popular music, basic knowledge of scales, key signatures, and chords. Open to all University students. Fee.

MUS 200 RECITAL ATTENDANCE 0

All music majors are required to attend professional and student concerts and recitals, to develop critical listening experience and knowledge of repertoire.

MUS 201 MUSIC IN CONCERT 3

A survey of music literature, styles, and important composers, through preparation for and attendance at selected concerts on the campus and in the community. Concert ticket fees will be required. Open to all University students.

MUS 202 PROFESSIONAL DEVELOPMENT WORKSHOP 0

All Bachelor of Music majors are required to attend a weekly professional workshop in their degree area. Course format is didactic and/or experiential according to degree program needs. Course material includes a variety of professional, pedagogical, and technological topics. May be repeated.

MUS 203 SIGHTS AND SOUNDS OF MUSIC 3

An introduction to music and its literature, with emphasis on the way music has been shaped by its cultural, geographic, and historical contexts. Open to all University students.

MUS 205 MUSIC, INSTRUMENTS, AND TECHNOLOGY 3

A survey of music literature, styles, and important composers, and the way the development of instruments has influenced changes in musical style. The course will also consider the ways technology has altered our approach and access to music making, listening, and dissemination in the twentieth century. Open to all University students.

MUS 211 THEORY OF MUSIC III 2

Advanced diatonic and chromatic harmonic vocabulary studies and Schenkerian analysis, emphasizing both writing and analysis skills. Assignments are done with computer notation programs, and portions of the course use web-based texts.

Prerequisite(s): (MUS 112 with grade of C- or better) or permission of instructor.

MUS 212 THEORY OF MUSIC IV 2

Music of the twentieth century, emphasizing both writing and analysis skills. Assignments are done with computer notation programs, and portions of the course use web-based texts.

Prerequisite(s): (MUS 211 with a grade of C- or better) or permission of instructor.

MUS 213 AURAL SKILLS III 2

Explores more advanced musical hearing and transcription techniques through later harmonic, melodic and rhythmic styles. More advanced melodic, harmonic and rhythmic materials as well as the continuing use of solfege singing to represent students' internalization of melodic structure.
Prerequisite(s): (MUS 114 with grade of C- or better) or permission of instructor.

MUS 214 AURAL SKILLS IV

2

Late nineteenth, twentieth and twenty-first century musical structures of harmony, melody, rhythm and compositional development/form explored through listening, transcription and performance.

Prerequisite(s): (MUS 213 with a grade of C- or better) or permission of instructor.

MUS 217 LISTENING AND TRANSCRIPTION SKILLS

2

Skills in hearing and notating music of representative and diverse styles through use of digital recording, sequencing, and computer notation software.

Prerequisite(s): (MUS 112, 114) or permission of instructor.

MUS 218 POPULAR AND JAZZ THEORY

2

Skills in the composition and arranging of popular and jazz styles in music including harmonic progression, melodic forms and the structure of voices and instruments in arrangements. Emphasis on creative applications of technology on the facility of music production. Culminating project is an arrangement, produced and recorded by the student.

Prerequisite(s): (MUS 111, 112) or (MUS 115, 116) or permission of instructor.

MUS 221 COMPOSITION II

1

Supplemental explorations for majors in music composition, to accompany work in MUS 211-212. Style analysis and synthesis, extension of traditional techniques, and basic instrumental applications.

Prerequisite(s): MUS 211 (may be taken as a corequisite).

MUS 222 COMPOSITION II

1

Supplemental explorations for majors in music composition, to accompany work in MUS 211-212. Style analysis and synthesis, extension of traditional techniques, and basic instrumental applications.

Prerequisite(s): MUS 212, 221, (may be taken as corequisites).

MUS 223 INTRODUCTION TO MUSIC TECHNOLOGY

2

Provides students with an introduction to the notation and recording of music with a computer. Students will learn to compile and print music, record digital instruments with MIDI, and record and mix music with portable digital audio workstations.

Prerequisite(s): (MUS 111, 112) or (MUS 115, 116) or permission of instructor.

MUS 231 INTRODUCTION TO MUSIC EDUCATION

2

An introduction to a wide variety of pedagogical and philosophical aspects of teaching the arts. Topics will include technology, national and state standards, history, and professional organizations.

Prerequisite(s): EDT 110.

MUS 232 INTEGRATING THE ARTS

2

Primarily for Teacher Education majors. Development of knowledge, skills, values, and attitudes in music for integration into a classroom setting in which other classroom subjects are taught.

Prerequisite(s): EDT 110.

MUS 235 VOICE PEDAGOGY

1

Techniques for teaching singing.

Prerequisite(s): Voice major or permission of instructor.

MUS 236 VOICE LABORATORY

1

Introduction to the performance and pedagogical techniques for voice.
Prerequisite(s): Instrumental music major or permission of department chairperson.

MUS 237 BRASS INSTRUMENT LABORATORY 1
 Introduction to the performance and pedagogical techniques for the brass instrument family.

MUS 238 WOODWIND INSTRUMENT LABORATORY 1
 Introduction to the performance and pedagogical techniques for the woodwind instrument family. Fee.

MUS 240 FUNDAMENTALS OF CONDUCTING 2
 Introductory-level course discussing basic conducting techniques, musical styles, interpretation, score study and analysis, transposition, and literature. Dual emphasis of choral and instrumental techniques.

MUS 280 MUSIC AND MOVEMENT FOR PERSONS WITH DISABILITIES 1
 Training in the use of music and movement for children with disabilities under the supervision of AIM (Adventures in Movement) for the Handicapped, Inc. Includes observations and practices in the field.

MUS 282 FUNCTIONAL MUSIC THERAPY SKILLS 2
 Introduction to melodic and percussive nonsymphonic instruments and voice with particular emphasis on developing a variety of functional clinical skills in both active and receptive music therapy techniques for children and adults.

MUS 285 INTRODUCTION TO MUSIC THERAPY 2
 History and development of music therapy; survey of theoretical bases and current trends for the use of music in therapy; disability areas using music therapy. Orientation in the clinical field.
Prerequisite(s): PSY 101, 363.

MUS 286 MUSIC THERAPY METHODS 2
 Introduction to four methods of music therapy: re-creative, receptive, composition, and improvisation. Emphasis on assessment, planning, facilitation, and evaluation of music therapy experiences within each method.
Prerequisite(s): MUS 285.

MUS 287 PRACTICUM IN MUSIC THERAPY I 1
 Supervised pre-internship field experiences with children and/or adults with special needs. One-hour weekly lab required.

MUS 288 PRACTICUM IN MUSIC THERAPY II 1
 Supervised pre-internship field experiences with children and/or adults with special needs. One-hour weekly lab required.

MUS 289 PRACTICUM IN MUSIC THERAPY III 1
 Supervised pre-internship field experiences with children and/or adults with special needs. One-hour weekly lab required.

MUS 290 MUSIC THERAPY TREATMENT PROCESSES 1
 Addresses the development of established competencies in the areas of music therapy referral, assessment, treatment planning, evaluation, supervision, and documentation of these processes.
Prerequisite(s): MUS 285, 286, 287.

MUS 293 ORGAN CLASS 1
 Introduction to the organ, including basic performance techniques, registration, beginning literature, and hymn playing. Fee.

MUS 294 HARPSICHORD CLASS 1
 Beginning course in harpsichord performance, including basic technique, stylistic considerations, and simple maintenance and tuning of the instrument. Fee.

MUS 295	BEGINNING GUITAR CLASS II	1
Note reading in first position; advanced chord work, introduction to chord solo playing, and improvisation.		
Prerequisite(s): MUS 195 or equivalent.		
MUS 296	FUNCTIONAL KEYBOARD SKILLS I	1
Instruction in development of basic performance technique, sight reading, accompanying, transposing, playing by ear, improvising, and score reading. Fee.		
MUS 297	FUNCTIONAL KEYBOARD SKILLS II	1
Further development of techniques introduced in MUS 296. Fee.		
Prerequisite(s): MUS 296.		
MUS 298	FUNCTIONAL KEYBOARD SKILLS III	1
Continuation of MUS 297 with emphasis on improvisation and harmonization techniques. Fee.		
MUS 299	FUNCTIONAL KEYBOARD SKILLS IV	1
Continuation of MUS 298 with emphasis on advanced chord work and modulation techniques. Fee.		
Prerequisite(s): MUS 298.		
MUS 301	MUSIC HISTORY AND LITERATURE I	3
A survey of Western music history and literature from the Middle Ages to the present. Important composers, masterworks of music literature, compositional styles.		
MUS 302	MUSIC HISTORY AND LITERATURE II	3
A survey of Western music history and literature from the Middle Ages to the present. Important composers, masterworks of music literature, compositional styles.		
MUS 303	INTRODUCTION TO MUSIC OF THE WORLD	3
A survey of music from representative cultures around the world, and its role and function in society.		
MUS 304	HISTORY OF AMERICAN MUSIC	3
Survey of the American musical heritage emphasizing Anglo- and Afro-American folk traditions, early religious music, country music, pioneers in piano, band and concert music, and contemporary popular music. Open to all University students.		
MUS 305	AFRICAN-AMERICAN SACRED MUSIC	3
A historical survey of African-American sacred music from its African roots to the present with an emphasis on developments in recent decades. Examines spirituals, the ring-shout, civil rights songs, the various forms of Gospel music, traditional hymnody of the African-American church, and the musical aspects of black preaching. Open to all University students.		
MUS 306	HISTORY OF AMERICAN JAZZ	3
Survey of the literature and performance practices from 1890 to the present. Includes blues, Dixieland, ragtime, boogie-woogie, swing, bop, cool, funky, and current techniques. Open to all University students.		
MUS 307	DEVELOPMENT OF AMERICAN POPULAR SONG	3
Survey of American popular music from the days of the colonies, the war years, the ballad opera, minstrel, vaudeville, operetta, early film music, through Tin Pan Alley to Broadway, including European influences. Open to all University students.		
MUS 308	CHAMBER MUSIC AND SYMPHONY	2
Formal and harmonic analysis of chamber music. Formal analysis of symphonies of classic, romantic, and contemporary composers		
Prerequisite(s): MUS 211, 212.		

MUS 309	OPERA HISTORY AND LITERATURE	3
Survey of the development of the opera and its literature from its seventeenth-century beginnings to the present. Focus upon major works and composers. Open to all University students.		
MUS 310	MOZART'S OPERAS	3
An interdisciplinary survey of Mozart's operas - German and Italian, serious and comic. Class discussions will be supplemented by extensive listening and/or viewing of recorded performances and, when possible, attendance at live performances.		
MUS 311	EIGHTEENTH-CENTURY COUNTERPOINT	2
Study of the contrapuntal technique of the eighteenth century, particularly in the instrumental works of J.S. Bach. Original compositions in forms of the invention and the fugue. Prerequisite(s): MUS 211, 212.		
MUS 312	SIXTEENTH-CENTURY COUNTERPOINT	2
Study of the medieval modes and the vocal polyphony of the motet and the Mass, up to and including five-part writing; original student compositions.		
MUS 313	ADVANCED AURAL SKILLS	2
Advanced training in dictation, solfege, and aural analysis. Prerequisite(s): MUS 215.		
MUS 314	SCORE READING	2
Training in reading music at the piano from open score. Drill in transposition, improvisation, and reading of various clefs, leading to the realization of full vocal and orchestral scores.		
MUS 316	FUNDAMENTALS OF ORCHESTRATION	2
Instrumentation studies of the four main orchestral families: woodwinds, brass, percussion, strings. Some work in combining families. Prerequisite(s): MUS 212.		
MUS 318	FUNDAMENTALS OF ARRANGING	2
Arranging studies for woodwinds, brass, percussion, strings, and choir. Individual examination of instruments; projects. Prerequisite(s): MUS 212.		
MUS 321	COMPOSITION III	2
Beginning explorations of original composition which utilize equally the concepts of pitch, temporal elements, timbres, and dynamics. Prerequisite(s): MUS 214.		
MUS 322	COMPOSITION III	2
Beginning explorations of original composition which utilize equally the concepts of pitch, temporal elements, timbres, and dynamics. Prerequisite(s): MUS 321.		
MUS 323	RECORDING ARTS AND DIGITAL MEDIA	3
Comprehensive overview of digital audio and digital visual media. Skills in recording, archiving, and presenting work. Prerequisite(s): MUS 223 or permission of instructor.		
MUS 325	BEETHOVEN AND HIS ERA	3
Survey of the music of Ludwig van Beethoven, including orchestral works and chamber music, opera, keyboard and sacred music; and a survey of the historical context in which Beethoven lived and worked - Europe and the Habsburg Empire of the late eighteenth and early nineteenth centuries, and especially Vienna, the Habsburg capital. Beethoven is the culmination of the High Classic style and also the first of a new generation of Romantic composers.		
MUS 327	MUSIC IN FILM	3

A survey of the styles, aesthetics, and techniques of film music, emphasizing the interaction of music and visual image in film. Consideration of the changes in the evolution of both film and film music, and their relationship to culture and society.

MUS 328 HISTORY OF THE AMERICAN MUSICAL

3

A survey of the history and literature of the American musical from its nineteenth century predecessors to the present day. The course will focus on major representative works, major composers, and other artistic innovators. Open to all University students.

MUS 331 CHORAL MUSIC METHODS

3

Pedagogical techniques for choral ensembles. Topics include the singing voice, the changing voice, organization, artistic development, literature, and rehearsal techniques. National Standards are emphasized as they relate to specific objectives. Current related practices in technology are incorporated in specific assignments. Field experience required.

MUS 332 INSTRUMENTAL MUSIC METHODS

3

Pedagogical techniques for band and orchestra. Topics include teaching and rehearsal techniques, organization, assessment, learning theories, philosophy, literature, and programming. National Standards are emphasized as they relate to specific objectives. Current related practices in technology are incorporated in specific assignments. Field experience required.

MUS 335 CLASSROOM MUSIC METHODS

3

Pedagogical techniques for classroom music grades preK-8. Topics include the pedagogical methods of Orff, Kodaly, Suzuki, and Dalcroze; lesson-plan design, implementation, and assessment. Special emphasis on the exceptional learner. National Standards are emphasized as they relate to specific objectives. Current related practices in technology are incorporated in specific assignments. Field experience required.

MUS 336 WOODWIND PEDAGOGY

1

Course in woodwind pedagogy offered in two semester-long sections: (1) pedagogical techniques for clarinet and flute; (2) pedagogical techniques for saxophone, oboe, and bassoon. Repeatable up to two semester hours. Fee.

MUS 337 BRASS PEDAGOGY

1

Course in brass pedagogy offered in two semester-long sections (1) pedagogical techniques for trumpet and horn; (2) pedagogical techniques for trombone, euphonium, and tuba. Repeatable up to two semester hours. Fee.

MUS 338 PERCUSSION PEDAGOGY

0.5 - 1

Course in percussion pedagogy offered in two semester-long sections: (1) Pedagogical techniques for the percussion instruments; (2) performance study on snare drum, mallets and timpani; teaching techniques for accessory instruments; minor repairs: method book analysis. Repeatable up to one and a half semester hours. Fee.

MUS 339 STRING PEDAGOGY

1

Pedagogical techniques for the string instruments. Separate sections for upper strings and lower strings. Each section is a full-term course. Fee.

MUS 340 MUSIC EDUCATION FOR STUDENTS WITH SPECIAL NEEDS

2

Introduction to issues affecting music education with students who have physical, cognitive, emotional, and sensory challenges that affect the learning process. Specific musical characteristics and needs of special learners will be presented along with methods and strategies for teaching. Information and guidelines regarding regulatory issues related to music education will be addressed. Field experience required.

Prerequisite(s): MUS 231.

MUS 345 CHORAL CONDUCTING

2

Continuation of techniques introduced in MUS 240, dealing specifically with techniques for choral ensembles.

Prerequisite(s): MUS 240.

MUS 346	INSTRUMENTAL CONDUCTING	2
Continuation of techniques introduced in MUS 240, dealing specifically with techniques for band and orchestra.		
Prerequisite(s): MUS 240.		
MUS 350	SACRED MUSIC HISTORY	3
A survey of the development of Christian Music and its function in worship. The focus will be on historical styles, including both their impact on and their application within liturgical settings, as well as on the religious reflections engendered by specific works.		
MUS 351	CHURCH MUSIC ADMINISTRATION	2
Examination of the process, organization, administration, planning, and presentation of church music in various Christian traditions. Attention is given to concepts of worship planning, the organization of a comprehensive music program, program development and the relationship between the music ministry and various other church entities.		
MUS 360	SPECIAL TOPICS IN MUSIC	1 - 3
Studies in specialized areas of music. May be repeated as topics change, up to six semester hours.		
Prerequisite(s): Permission of instructor.		
MUS 381	CLINICAL AND EDUCATIONAL MUSIC IMPROVISATION I	2
Music improvisation techniques and procedures using piano, percussion, voice, guitar, and student's major instrument. Emphasis on the acquisition of clinical and educational music improvisational skills to be applied in the medical, rehabilitation, clinical and/or school music education setting.		
Prerequisite(s): MUS 112, 114, 297.		
MUS 382	CLINICAL AND EDUCATIONAL MUSIC IMPROVISATION II	2
Intermediate skill development in clinical and educational music improvisation. Emphasis on assessment, implementation, and evaluation of individual, dyadic, and group improvisatory experiences. Acquisition of expressive movement repertoire to improvised music.		
Prerequisite(s): MUS 381.		
MUS 385	MUSIC THERAPY PRINCIPLES	3
Principles and processes underlying the applications of music in therapy, including philosophical approaches, assessment procedures, goals and objectives, evaluation and documentation techniques, and professional ethics and standards of clinical practice.		
MUS 386	MUSIC AND PSYCHOTHERAPY	3
Overview of concepts, methods, and materials in the clinical practice of various forms of music psychotherapy. Exploration of the role and function of music within other therapeutic approaches (e.g., cognitive, humanistic, etc.). Identification of factors and issues affecting the helping process.		
MUS 387	PRACTICUM IN MUSIC THERAPY IV	2
Supervised pre-internship experiences with children and/or adults with special needs. One-hour weekly lab required.		
Corequisite(s): MUS 385.		
MUS 388	PRACTICUM IN MUSIC THERAPY V	2
Supervised pre-internship experiences with children and/or adults with special needs. One-hour weekly lab required.		
Corequisite(s): MUS 386.		
MUS 390	BRASS ENSEMBLE	0.5
Study of repertoire for small brass ensembles including brass quintet, horn ensemble, and others. Audition required.		
MUS 390	CLASSICAL GUITAR ENSEMBLE	0.5

MUS 390	HANDS IN HARMONY	0.5
	A sign-singing ensemble.	
MUS 390	INDOOR MARCHING PERCUSSION ENSEMBLE	0.5
	Study of marching percussion instruments (snare, tenors, melodic bass drums, cymbals, electric bass, electronic keyboards, and "pit" percussion). Preparation of a full indoor show, with music, drill, choreography, and staging. Experience necessary for snare drum, tenor sections. Appearances at area exhibitions and competitions. Winter semester only. Audition required.	
MUS 390	JAZZ COMBO	0.5
	Small ensemble study of works by major American jazz composers. Emphasis on group and individual improvisation. Audition required.	
MUS 390	JAZZ GUITAR ENSEMBLE	0.5
MUS 390	OPERA WORKSHOP	0.5
	Performance techniques for the singer-actor through the study and performance of music from operatic literature. Improvisational exercises are incorporated. Audition required.	
MUS 390	PERCUSSION ENSEMBLE	0.5
	Study and performance of concert repertoire for all combinations of percussion instruments, from duets to full percussion ensembles, with occasional piano or string bass accompaniment. Open to all majors and non-majors; experience with preferred but not required (on one or more of the following: snare drum, tympani, drum set, keyboard percussion, world and ethnic percussion, small accessory instruments.) Audition required.	
MUS 390	PIANO ENSEMBLE	0.5
	Audition required.	
MUS 390	STRING ENSEMBLE	0.5
	Audition required.	
MUS 390	UD GAMELAN ENSEMBLE	0.5
	Members will experience collective music making and the study of cultural performance practices in rehearsal and performance settings. Open to all University and community members. No audition required.	
MUS 390	WOODWIND ENSEMBLE	0.5
	A combination of woodwind instruments to include flute choir, clarinet choir, saxophone choir, woodwind quintet, and others.	
MUS 390	WORLD MUSIC CHOIR	0.5
	Members explore, learn, and perform a diverse repertoire of world choral music in its cultural and historical context, often with cultural 'informants,' either in person or through the use of technology. Performances include accompanying percussion instruments and movement. Open to all University and community members. No audition required.	
MUS 390	CELEBRATION VOCAL TRANSIT	1
	Students will study performance practices associated with American popular music forms (including pop, soul, jazz, gospel, musical theatre) with particular attention paid to improvisation in the various forms. Students will also learn microphone technique and basic use of PA systems. The semester culminates in a performance of solos, duets, and small ensemble selections.	
MUS 390	CHORAL UNION	1
	Mixed voice ensembles performing music from all style periods in regular concert appearances. Open to all University students without audition.	
MUS 390	DAYTON JAZZ ENSEMBLE	1

Ensemble specializes in the interpretation and performance of traditional and contemporary big band jazz, including the art of improvisation. Audition required.

MUS 390 EBONY HERITAGE SINGERS 1

Ensemble specializing in the sacred music of African-Americans with particular emphasis on contemporary gospel music and improvisation. Open to the entire University community regardless of ethnic background or religious affiliation. No audition required.

MUS 390 LITURGICAL MUSIC LAB ENSEMBLE 1

Ensemble specializes in the performance of church music repertoire including contemporary Christian, gospel music, worship and praise, and traditional sacred choral literature. No audition required.

MUS 390 MARCHING BAND 1

Plays at all home and some away football games. Membership includes winds, percussion, twirlers, and Flyerettes. Concentrates on quality sound, offering a wide variety of musical styles. Combines show and corps style elements in presentations. No auditions for winds or percussion. Open to all University students.

MUS 390 PEP BAND 1

Membership includes winds and percussion only. Performs at all home men's basketball games and some away games. Open to all University students. Preference given to marching band members. Audition required.

MUS 390 UNIVERSITY CONCERT BAND 1

Meeting winter semester only, University Concert Band is a non-auditioned ensemble and performs two on-campus concerts. A wide variety of repertoire is performed, including marches, show tunes, concert band standards, contemporary band literature, and solo accompaniments.

MUS 398 INSTRUMENTAL JAZZ IMPROVISATION 1

Individualized instruction in instrumental jazz improvisation. Study of jazz theory, aural development, stylistic considerations, and repertoire.

Prerequisite(s): Participation in Jazz Ensemble and/or Jazz Combo.

MUS 399 PERFORMANCE STUDIES 1 - 2

Private instruction (one thirty to forty-five minute lesson each week) in piano, voice, organ, violin, viola, cello, bass, flute, oboe, clarinet, bassoon, saxophone, trumpet-cornet, French horn, trombone, baritone, tuba, percussion, harp, harpsichord, classical and pick-style guitar, and jazz lessons in piano, guitar, bass, drums, brass, and woodwinds. Fee.

Prerequisite(s): Permission of instructor.

MUS 401 MEDIEVAL AND RENAISSANCE MUSIC 2

The development of music from circa 400 to 1600, including plainchant, early polyphony, Ars Nova, and Renaissance music; the relationship of music to other arts and to its historical context. Open to all University students.

MUS 402 BAROQUE MUSIC 2

Literature and performing practices from 1600 to 1750; the relationship of music to social and cultural movements. Open to all University students.

MUS 403 CLASSIC AND ROMANTIC MUSIC 3

Literature and performing practices from 1750 to 1900; the relationship of music to social and cultural movements. Open to all University students.

MUS 404 TWENTIETH-CENTURY MUSIC 2

A study of twentieth-century music, its styles, and its cultural contexts, including post-romantic, impressionistic, neo-classic, and avant-garde. Open to all University students.

MUS 405 PIANO LITERATURE 2

Comprehensive survey of literature for the piano. Required of piano performance majors.

MUS 408	DICTION AND LITERATURE FOR SINGERS	2
<p>A course in foreign language diction with an associated survey of significant and representative works from the vocal solo repertoire. Course alternates its content: German and English; and French and Italian. Course may be repeated as content changes.</p> <p>Prerequisite(s): MUS 399 or 499.</p>		
MUS 413	STYLE AND DESIGN - ANALYSIS	2
<p>Exploration of appropriate analytical techniques as applied to Western music from the Renaissance to the present.</p> <p>Prerequisite(s): MUS 212.</p>		
MUS 414	STYLE AND DESIGN - SYNTHESIS	2
<p>Exploration and application of various musical styles as demonstrated by original compositions patterned after selected historic models.</p> <p>Prerequisite(s): MUS 413.</p>		
MUS 416	ADVANCED ORCHESTRATION	2
<p>Continuation of MUS 316. Intensive instrumentation studies and detailed analysis of orchestral work.</p> <p>Prerequisite(s): MUS 316.</p>		
MUS 418	RESEARCH IN MUSIC THEORY	2
<p>Practical experience in analysis for music composition majors.</p> <p>Prerequisite(s): Senior standing in music.</p>		
MUS 419	RESEARCH IN MUSIC THEORY	2
<p>Practical experience in analysis for music composition majors.</p> <p>Prerequisite(s): Senior standing in music.</p>		
MUS 421	COMPOSITION IV	2
<p>Advanced work in musical composition: writing multi-movement forms of both vocal and instrumental music.</p> <p>Prerequisite(s): MUS 321, 322.</p>		
MUS 422	COMPOSITION IV	2
<p>Advanced work in musical composition: writing multi-movement forms of both vocal and instrumental music.</p> <p>Prerequisite(s): MUS 321, 322.</p>		
MUS 423	COMPOSITION FOR LARGE ENSEMBLES	2
<p>Preparation and execution of an extended work for large instrumental or vocal ensemble. All aspects of score and part preparation, notation, orchestration, correction, rehearsal, and performance will be considered.</p>		
MUS 424	ADVANCED NOTATIONAL TECHNIQUES	2
<p>Study of special problems in contemporary notation and calligraphy. Work will be done through analysis of twentieth-century techniques and creative solutions to individual problems.</p>		
MUS 425	ELECTRONIC MUSIC COMPOSITION	2
<p>Study of musical electronic techniques, ranging from tape recorders and musique concrete through synthesizer and computer-generated and organized sound.</p>		
MUS 426	IMPROVISATIONAL MUSIC COMPOSITION	2
<p>Discussion, study, and performance of improvisational musical techniques, including historical overview of classical extemporization, stream of consciousness, jazz, and aleatory and indeterminism.</p>		
MUS 430	JAZZ PEDAGOGY	2
<p>Methods and materials for the organization and teaching of jazz performance classes. Topics include teaching improvisation, the rhythm section, and repertoire for the school jazz band. Field experience required.</p> <p>Corequisite(s): Participation in the jazz program.</p>		

MUS 431	MARCHING BAND PEDAGOGY	2
Methods and materials for the organization and teaching of the high school marching band. Topics include teaching and rehearsal techniques, drill design, and philosophy. Field experience required. Corequisite(s): Participation in the marching band.		
MUS 435	PIANO PEDAGOGY	2
Systematic preparation for the development of piano technique and tone; survey and study of graded teaching material of grades I and II. Prerequisite(s): Four terms of piano study or equivalent.		
MUS 440	ADVANCED INSTRUMENTAL CONDUCTING	2
Individualized instruction dealing with advanced analysis, interpretation, aural skills, repertoire study, and conducting. Prerequisite(s): MUS 346.		
MUS 452	CONTEMPORARY LITURGICAL MUSIC REPERTOIRE	2
Examination of ways in which contemporary musical resources are utilized in the worship of Christian churches. Choral, congregational, cantoral, and instrumental material will be considered in the context of both the liturgical seasons and specific services. REL 446 recommended.		
MUS 459	CHURCH MUSIC INTERNSHIP	2
Minimum of one semester's supervised service as organist and/or choral director in an approved parish setting. Prerequisite(s): Completion of half of certificate requirements; permission of department chairperson.		
MUS 460	SPECIAL STUDIES IN MUSIC	1 - 9
Studies in specialized areas of music, including music therapy and music education. May be repeated as topics change, up to nine semester hours. Prerequisite(s): Senior standing in music or permission of instructor.		
MUS 461	SPECIAL TOPICS IN CHURCH MUSIC	1 - 8
Studies in specialized areas of music, including music therapy and music education. May be repeated as topics change, up to eight semester hours. Prerequisite(s): Senior standing in music or permission of instructor.		
MUS 477	HONORS THESIS PROJECT	3
First of two courses leading to the selection, design, investigation, and completion of an independent, original Honors Thesis project under the guidance of a faculty research advisor. Restricted to students in the University Honors Program with permission of the program director and department chairperson. Students pursuing an interdisciplinary thesis topic may register for three semester hours each in two separate disciplines in consultation with the department chairpersons. Prerequisite(s): Approval of University Honors Program.		
MUS 478	HONORS THESIS PROJECT	3
Second of two courses leading to the selection, design, investigation, and completion of an independent, original Honors Thesis project under the guidance of a faculty research advisor. Restricted to students in the University Honors Program with permission of the program director and department chairperson. Students pursuing an interdisciplinary thesis topic may register for three semester hours each in two separate disciplines in consultation with the department chairpersons. Prerequisite(s): Approved 477; approval of University Honors Program.		
MUS 486	RESEARCH IN MUSIC THERAPY	2
Introduction to research methods; review of literature on experimental studies. Research project.		
MUS 489	MUSIC THERAPY INTERNSHIP	2
Minimum of 1040 hours supervised clinical training through resident internship in an AMTA-approved program. This requirement precedes the granting of the music therapy degree. Prerequisite(s): Senior standing in music therapy; permission.		

MUS 491 UNIVERSITY ORCHESTRA

1

Performing ensemble of string, wind, brass, and percussion players; preparing literature for orchestra and chamber orchestra. Open to all University community members by audition.

MUS 492 SYMPHONIC WIND ENSEMBLE

1

Select band that performs the finest in wind literature. Presents regular concerts during fall and winter terms. Auditions required.

MUS 493 UNIVERSITY CHORALE

1

Mixed vocal ensemble performing music from all style periods in regular concert appearances. Open to all University students. Auditions required.

MUS 499 PERFORMANCE STUDIES

4

Private instruction (one-hour lessons weekly) in the same subjects as MUS 399. Fee.

Prerequisite(s): Permission of instructor.





College of Arts and Sciences

(PHL) Philosophy (Collapse Description)

The objective of the philosophy major program is to provide students with the opportunity to understand contemporary philosophy in view of the history of philosophy. Students majoring in philosophy must successfully complete a minimum of thirty-seven semester hours. The philosophy major program is also offered in India in conjunction with the Marianists. Consult the chairperson of the department for further information.

A minor in philosophy consists of eighteen semester hours.

Faculty

John Inglis, Chairperson
Professors Emeriti: Kunkel, Monasterio, Quinn, Ulrich, Zembaty
Professors: Benson, Fischer, Fouke, Inglis, Johnson, Kebede, Tibbetts
Associate Professors: DesAutels, Mosser, Payne, Poe, Richards, Whisnant
Assistant Professors: Gabbe, James, McLeod, Paslaru
Lecturers: Lockwood, Marvin, Mullins, Velasquez

Majors/Minors (Collapse All)

Major/Minor Name

Bachelor of Arts with a major in Philosophy (PHL)

Philosophy	Sem. Hrs.
	37
PHL 103, 240, (301 or 302) ¹ , 350, 352, 375	16
Two seminars (400-level)	6

Tracks

Ethics and Social Justice	15
Select two courses from:	6
PHL 307, 310, 312, 313, 314, 315, 316, 317, 318, 319, 321, 327, 328, 357, 358, 364, 370, 371, 372, 373	
Philosophy electives	9
History of Philosophy	15
Select two courses from:	6
PHL 351, 353, 354, 361	
Philosophy electives	9
Science, Technology, and Values	15
PHL 330	3
Select one course from:	3
PHL 306, 315, 316, 319, 321, 331, 332, 333, 334	
Philosophy electives	9
Religion, Mind, and Metaphysics	15
PHL (308 or 311)	3
Select one course from:	3
PHL 309, 351, 355, 356, 360, 365	

Search Academic Information General Information

Explore by Department / Program:

Mechanical and Aerospace Engineering
Military Science, ROTC
Music
Philosophy

Explore

Explore by Major / Minor:

Nutrition & Fitness (EHN)
Operations Engineering (OPE)
Operations Management (OPS)
Philosophy (PHL)

Explore

Explore by Courses:

Military Science, ROTC (MIL)
Music (MUS)
Operations Management (OPS)
Philosophy (PHL)

Explore

Philosophy electives	9
Culture and Human Diversity	15
Select two courses from:	6
PHL 307, 355, 361, 363, 364, 365, 373	
Philosophy electives	9
Arts and Human Expression	15
Select two courses from:	6
PHL 320, 323, 324, 325, 362	
Philosophy electives	9
Self-Designed	15
Philosophy electives	15
Liberal Studies Curriculum	
Humanities and Fine Arts	
Religious Studies	9
History	6
Literature: English or Foreign Language	3
Creative and Performing Arts	3
Foreign Language and/or Additional Arts and/or Humanities (excludes PHL courses)	3-9
Social Sciences	12
Mathematics (excludes MTH 102, 204, 205)	3
Natural Sciences	11
Communication Competencies	0-9
Introduction to the University: ASI 150	0-1
General Education courses/academic electives to total at least	124

¹Students who anticipate graduate work in philosophy are advised to take PHL 302.

Minor in Philosophy (PHL)

	Sem. Hrs.
Philosophy	18
PHL 103, (301 or 302)	6
Select one course from:	3
PHL 350, 351, 352, 353, 354	
PHL seminar (400-level)	3
Select six additional semester hours	6

Courses (Collapse All Courses)

Code	Title	Sem. Hrs.
PHL 103	INTRODUCTION TO PHILOSOPHY	3
Introduction to philosophical reflection and study of some central philosophical questions in the Western intellectual tradition, including questions of ethics, human knowledge, and metaphysics. Readings from major figures in the history of philosophy such as Plato, Aristotle, Augustine, Aquinas, Descartes, Hume, and Kant.		
PHL 240	RESEARCH METHODOLOGIES AND TECHNOLOGIES	1

Development of research skills appropriate for the major. Students submit papers carefully selected from written work required for major classes.

Required for all Philosophy majors.

Prerequisite(s): (ASI 111, 112) or PHL 103.

PHL 301 PRACTICAL LOGIC 3

Introduction to the principles of correct reasoning; techniques for the evaluation of arguments; common fallacies in argumentation; applications to current issues in ethics and other areas.

PHL 302 SYMBOLIC LOGIC 3

Concentrated study of the valid forms of deductive argument and proof in propositional logic and in predicate logic; study of formal systems and of logic and language.

Prerequisite(s): (ASI 111, 112) or PHL 103.

PHL 304 PHILOSOPHY OF HUMAN NATURE 3

The nature of human beings; the functions of consciousness, the possibility of freedom, the sources of values, and the goals of human life.

Prerequisite(s): (ASI 111, 112) or PHL 103.

PHL 306 PHILOSOPHY OF KNOWLEDGE 3

Various criteria, origins, and definitions of knowledge proposed by common sense, science, philosophy, and mysticism; questions of evidence, consistency, and validity pertaining to the problem of truth and belief.

Prerequisite(s): (ASI 111, 112) or PHL 103.

PHL 307 PHILOSOPHY AND WOMEN 3

Issues and problems related to feminist analysis of society and its ideals, such as equal opportunity, sex roles and gender, reverse discrimination, violence, and language.

Prerequisite(s): (ASI 111, 112) or PHL 103.

PHL 308 METAPHYSICS 3

Issues and problems under such topics as appearance and reality; universals; relations of mind and matter; the nature of persons and personal identity; causality; freedom and determination.

Prerequisite(s): (ASI 111, 112) or PHL 103.

PHL 309 PHILOSOPHY OF MIND 3

An analysis of the concept of mind and related issues such as Descartes' mind-body dualism and various responses; the nature of human agency, self-deception; and the rationality of emotions.

Prerequisite(s): (ASI 111, 112) or PHL 103.

PHL 310 SOCIAL PHILOSOPHY 3

The concepts of liberty, justice, and equality as they relate to social problems such as punishment and rehabilitation, insanity and responsibility, privacy, population regulation, economic injustice, environmental degradation, discrimination, and reverse discrimination.

Prerequisite(s): (ASI 111, 112) or PHL 103.

PHL 311 PHILOSOPHY OF RELIGION 3

The main issues involved in religious belief and practice, such as the relationship between reason and revelation; critical presentation of views of main writers in the field.

Prerequisite(s): (ASI 111, 112) or PHL 103.

PHL 312 ETHICS 3

Various types of moral and ethical theory in the Western tradition and major problems such as the extent of human responsibility and the conditions for making ethical judgments.

Prerequisite(s): (ASI 111, 112) or PHL 103.

PHL 313 BUSINESS ETHICS 3

Review of general ethical theory; ethical assessments of incidents that often occur in commerce affecting employees, employers, consumers, competitors, or the local community.

Prerequisite(s): (ASI 111, 112) or PHL 103.

PHL 314 PHILOSOPHY OF LAW 3

Major concepts of law to include the nature of law, legal reasoning, liberty, justice, responsibility, punishment.

Prerequisite(s): (ASI 111, 112) or PHL 103.

PHL 315 MEDICAL ETHICS 3

Introduction to morality in general and inquiry into the major moral problems of medical practice: human life and the preservation of its integrity.

Prerequisite(s): (ASI 111, 112) or PHL 103.

PHL 315W PROBLEMS IN MEDICAL ETHICS 1

An analysis of special ethical issues raised in a specific area of medical practice. Web-based course. May be repeated when topic changes.

Prerequisite(s): (ASI 111, 112) or PHL 103; (PHL 315 or REL 367 (may be taken as a corequisite)).

PHL 316 ENGINEERING ETHICS 3

Introduction to ethical issues in engineering by developing theories of moral justification and codes of ethics for engineers, and by applying these theories and codes to moral issues in engineering.

Prerequisite(s): (ASI 111, 112) or PHL 103.

PHL 317 ETHICS AND MODERN WAR 3

Study in applied ethics focusing on the implications of power politics and militarism; various ethical approaches used to evaluate wars, terrorism and violence; and an overview of some alternatives to war.

Prerequisite(s): (ASI 111, 112) or PHL 103.

PHL 318 FAMILY ETHICS 3

Introduction to the development of the concept of a family in the tradition of Western philosophy and the philosophic analysis of contemporary ethical problems in marriage and in parenthood.

Prerequisite(s): (ASI 111, 112) or PHL 103.

PHL 319 INFORMATION ETHICS 3

Examination of ethical principles, codes, cases, incidents, and issues in the design, implementation, and use of computerized information systems.

Prerequisite(s): (ASI 111, 112) or PHL 103.

PHL 320 PHILOSOPHY OF ART 3

Theories of art and criteria of evaluation developed by philosophers, artists, and critics; the relationship between art and society and between artistic and other human values.

Prerequisite(s): (ASI 111, 112) or PHL 103.

PHL 321 ENVIRONMENTAL ETHICS 3

Study of the principal ethical perspectives on the treatment of animals and nature including such issues as agriculture, energy, pollution, and economics; assessment of political responses to current environmental problems.

Prerequisite(s): (ASI 111, 112) or PHL 103.

PHL 323 PHILOSOPHY AND LITERATURE 3

Critical examination of philosophical concepts in selected literary masterpieces, ancient and modern.

Prerequisite(s): (ASI 111, 112) or PHL 103.

PHL 324 PHILOSOPHY AND FILM 3

Introduction to philosophical issues and aesthetic theory through a critical reading of texts and examination of selected narrative, documentary, animated, or abstract films.

Prerequisite(s): (ASI 111, 112) or PHL 103.

PHL 325	PHILOSOPHY OF MUSIC	3
Examination of theories on the meaning of music; experiencing music as composer, performer, and listener; aesthetic criteria; moral effect of music. Prerequisite(s): (ASI 111, 112) or PHL 103.		
PHL 327	PHILOSOPHY OF PEACE	3
Examination of human violence and ethical justifications for war and exploration of resolutions for human conflict in processes such as pacifism, peacemaking, democratic world governance, nonviolent caring, and a sustainable economy. Prerequisite(s): (ASI 111, 112) or PHL 103.		
PHL 328	PHILOSOPHY OF PUNISHMENT	3
Critical examination of punishment, through an analysis of various forms of punishment and what they imply about human nature, power, social norms, and moral principles. Prerequisite(s): ASI 112 or PHL 103.		
PHL 330	PHILOSOPHY OF SCIENCE	3
Critical examination of the underpinnings of scientific knowledge, and how it differs from other systems of belief and knowledge, through an analysis and evaluation of various scientific concepts such as scientific laws, explanation, observation, and theory, with an exploration of the methods, presuppositions, and biases of scientific knowledge claims. Prerequisite(s): ASI 112 or PHL 103.		
PHL 331	SCIENCE, OBJECTIVITY, AND VALUES	3
Study of three interrelated issues: the limits of scientific methodology; science as a social institution; and science and human values. Prerequisite(s): (ASI 111, 112) or PHL 103.		
PHL 332	TECHNOLOGY AND VALUES	3
Study of the social impact of technology-scientists' responsibility; technological change and social change; the "technological fix"; democracy and the new technological elite; counter-culture critiques of technology. Prerequisite(s): (ASI 111, 112) or PHL 103.		
PHL 333	PHILOSOPHY AND COGNITIVE SCIENCE	3
A philosophical introduction to recent research in cognitive psychology, artificial intelligence, and neuroscience regarding human, animal, and machine intelligence; the relation between mind, brain, and personhood; and the biology of conscious states. Prerequisite(s): (ASI 111, 112) or PHL 103.		
PHL 334	PHILOSOPHY OF ECOLOGY	3
An examination of the epistemological, methodological, ontological, and value issues of ecology, with a focus on how these issues affect the debates in philosophy of science. Prerequisite(s): PHL 103 or ASI 112.		
PHL 340	SPECIAL PROBLEMS IN PHILOSOPHY	1 - 3
Examination of perennial and contemporary problems of philosophy. May be repeated when topic changes. Prerequisite(s): (ASI 111, 112) or PHL 103.		
PHL 345	PHILOSOPHY SCHOLARS' SEMINAR	3
Study and seminar discussion of selected major philosophical works and the analysis, interpretation, and criticism of these works. Open by permission only to students in the Berry Scholars Program. Prerequisite(s): (ASI 111, 112) or PHL 103.		
PHL 350	CLASSICAL GREEK PHILOSOPHY	3
The Greek origins of Western scientific, philosophical, and political thought; relationships to current thoughts; ideas of the pre-Socratics, Plato, and Aristotle in their cultural contexts. Prerequisite(s): (ASI 111, 112) or PHL 103.		

PHL 351	MEDIEVAL PHILOSOPHY	3
Major philosophical problems from the fourth through the sixteenth centuries and their importance in shaping current beliefs and traditions in the Augustinian, Jewish, Islamic, Persian, Thomist, and Oxford cultural settings; human action, conscience, freedom, and law. Prerequisite(s): (ASI 111, 112) or PHL 103.		
PHL 352	MODERN PHILOSOPHY	3
Development of philosophy in the seventeenth and eighteenth centuries up to Kant with a focus on several major philosophical figures such as Descartes, Spinoza, Leibniz, Locke, Berkeley, and Hume. Prerequisite(s): (ASI 111, 112) or PHL 103.		
PHL 353	KANT AND NINETEENTH-CENTURY PHILOSOPHY	3
Development of philosophy beginning with Kant through the nineteenth century including Kant and philosophers such as Fichte, Schelling, Hegel, Schopenhauer, Nietzsche, James, Peirce, and Frege. Prerequisite(s): (ASI 111, 112) or PHL 103.		
PHL 354	TWENTIETH-CENTURY PHILOSOPHY	3
A study of some of the major philosophical movements in the twentieth century including phenomenology, existentialism, critical theory (Frankfurt School), hermeneutics, and analytic philosophy. Prerequisite(s): (ASI 111, 112) or PHL 103.		
PHL 355	ASIAN PHILOSOPHY	3
Introduction to Asian philosophy through the study of philosophers, texts, philosophical schools and concepts that have their origins in Asia. Comparisons of various Asian philosophies with each other as well as with western traditions. Prerequisite(s): (ASI 111, 112) or PHL 103.		
PHL 356	CHRISTIAN PHILOSOPHY	3
Major issues such as the relation of faith to reason, the relation of science to faith, and the problem of natural law. Christian considerations of practical philosophy and social theory. Prerequisite(s): (ASI 111, 112) or PHL 103.		
PHL 357	RADICAL PHILOSOPHY	3
Study of major attempts to develop a critical understanding of society; analysis of theories such as socialism, anarchism, feminism, critical theory, and critical race theory. Prerequisite(s): (ASI 111, 112) or PHL 103.		
PHL 358	MARXIST PHILOSOPHY	3
Introduction to the thought of Karl Marx through a study of the historical setting of the man and his writings, along with recent interpretations of his thought. Prerequisite(s): (ASI 111, 112) or PHL 103.		
PHL 360	EXISTENTIALISM	3
Major themes in representatives of the existentialist movement, such as human freedom, the absurdity of human existence, the primacy of action, and the roles of speculation and the emotions. Prerequisite(s): (ASI 111, 112) or PHL 103.		
PHL 361	AMERICAN PHILOSOPHY	3
Study of the development of American philosophies in the context of historical interactions among Indigenous, European, African, and Asian worldviews in the Americas. Representatives of classical American pragmatism, such as Peirce, James, Dewey, and Addams will be studied in this context. Prerequisite(s): ASI 112 or PHL 103.		
PHL 362	PHILOSOPHY OF LANGUAGE	3

Theories of meaning and reference and their philosophical significance.

Prerequisite(s): (ASI 111, 112) or PHL 103.

PHL 363 AFRICAN PHILOSOPHY 3

Introduction to African world views, ethical notions, and social ideas using analytical and comparative approaches; examination of concepts of human diversity and universality; analysis of the transition of traditional African culture to modernity.

Prerequisite(s): (ASI 111, 112) or PHL 103.

PHL 364 RACE, GENDER, AND PHILOSOPHY 3

A philosophical investigation into the systematic nature of racism and sexism, including inquiry into the epistemological, metaphysical, linguistic, and representational structures that sustain and perpetuate the power dynamics of western post-colonial patriarchal society.

Prerequisite(s): (ASI 111, 112) or PHL 103.

PHL 365 ISLAMIC PHILOSOPHY AND CULTURE 3

Examination of selected Islamic thinkers and philosophical traditions, from the period of the Umayyad Caliphate to the postcolonial era, and their influence on Christian and Jewish thought. Islamic conceptions of law, political society, ethics, hermeneutics, science, revelation, and reality. Special emphasis upon the role of the arts in shaping Islamic philosophy.

Prerequisite(s): (ASI 111, 112) or PHL 103.

PHL 370 POLITICAL PHILOSOPHY 3

Philosophical theories regarding the nature of the state and the legitimization of political authority will be analyzed and evaluated in the context of philosophical conceptions of human nature, liberty, equality, justice, welfare, and power.

Prerequisite(s): (ASI 111, 112) or PHL 103.

PHL 371 PHILOSOPHY AND HUMAN RIGHTS 3

Examination of the nature and philosophical foundations of universal moral (human) rights; and application of human rights theory to issues and cases involving civil and political rights, and rights to equality, security, subsistence, education, welfare, employment, and health care.

Prerequisite(s): (ASI 111, 112) or PHL 103.

PHL 372 VALUES AND ECONOMICS 3

An inquiry into the impact of values and beliefs on the generation of modern economic forces. Analyzing capitalism as a system of validation of beliefs and values, the course relates underdevelopment with the conflict between tradition and modernity. It then reflects on the conditions of change liable to promote global expansion.

Prerequisite(s): (ASI 111, 112) or PHL 103.

PHL 373 PHILOSOPHY AND CULTURAL DIVERSITY 3

Philosophical investigation into historical, social, and political dimensions of human diversity in its various manifestations. Topics include colonialism, racism, multiculturalism, nationalism, and democracy.

PHL 375 ETHICAL THEORY 3

An examination of the significant ethical theories offered by historically significant philosophers along with some contemporary critiques of these theories. The theories examined will include virtue, deontological, and utilitarian approaches.

Prerequisite(s): ASI 112 or PHL 103.

PHL 440 SEMINAR - ADVANCED PROBLEMS IN PHILOSOPHY 3

Detailed examination of some of the more technical problems of philosophy as well as those problems that arise in interdisciplinary settings upon which philosophers have brought their technical skills to bear. May be repeated when topic varies.

Prerequisite(s): (ASI 111, 112) or PHL 103.

PHL 451 SEMINAR - INDIVIDUAL PHILOSOPHERS 3

Detailed examination of the thought of an individual philosopher (e.g., Aquinas, Kant, Rawls, Quine) who is of sufficient importance to warrant special study. May be repeated when topic varies.

Prerequisite(s): (ASI 111, 112) or PHL 103.

PHL 461 SEMINAR - CONTEMPORARY EPISTEMOLOGY

3

Study of recent philosophical work in the theory of knowledge inclusive of scepticism, knowledge and belief, evidence and justification, theories of perception and knowledge, human interests and valuation.

Prerequisite(s): (ASI 111, 112) or PHL 103.

PHL 462 SEMINAR - CONTEMPORARY ETHICS

3

Study of recent philosophical work in ethics inclusive of an analysis of ethical concepts, theories of normative ethics, theories of human action, and moral justification.

Prerequisite(s): (ASI 111, 112) or PHL 103.

PHL 463 SEMINAR - CONTEMPORARY METAPHYSICS

3

Study of recent work in metaphysics inclusive of the nature of metaphysics, causality, free will and determinism, personal identity and the theory of mind and body.

Prerequisite(s): (ASI 111, 112) or PHL 103.

PHL 477 HONORS THESIS PROJECT

3

First of two courses leading to the selection, design, investigation, and completion of an independent, original Honors Thesis project under the guidance of a faculty research advisor. Restricted to students in the University Honors Program with permission of the program director and department chairperson. Students pursuing an interdisciplinary thesis topic may register for three semester hours each in two separate disciplines in consultation with the department chairpersons.

Prerequisite(s): Approval of University Honors Program.

PHL 478 HONORS THESIS PROJECT

3

Second of two courses leading to the selection, design, investigation, and completion of an independent, original Honors Thesis project under the guidance of a faculty research advisor. Restricted to students in the University Honors Program with permission of the program director and department chairperson. Students pursuing an interdisciplinary thesis topic may register for three semester hours each in two separate disciplines in consultation with the department chairpersons.

Prerequisite(s): Approved 477; approval of University Honors Program.

PHL 490 DIRECTED READINGS

1 - 4

Guided independent study primarily for philosophy majors but open to students who have completed twelve semester hours in philosophy. Normally three semester hours but in certain cases the chairperson may approve one, two, or four semester hours. May be repeated when topic changes.

Prerequisite(s): (ASI 111, 112) or PHL 103; permission of department chairperson and instructor.

PHL 492 DIRECTED RESEARCH

3

Faculty-directed research for philosophy majors who have completed all 300-level requirements and at least one 400-level seminar. Students will write a substantial paper in relation to this research.

Prerequisite(s): (ASI 111, 112) or PHL 103; permission of department chairperson and instructor.

PHL 495 INTERNSHIP

1 - 3

Supervised practical and professional experience related to philosophy for philosophy majors who have completed prescribed course work. May be repeated to a maximum of three semester hours. Grading Option Two only.

Prerequisite(s): ASI 111, 112; PHL 103, 302, 350, 352; one 400-level seminar; permission of department chairperson.

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College of Arts and Sciences

(PHY) Physics (Collapse Description)

The program leading to the Bachelor of Science with a major in physics is designed to provide a strong yet versatile basis for a subsequent scientific career or advanced study. Minimum requirements for all majors are listed below, but students planning for graduate work in physics or an allied area are advised to select additional mathematics and physics courses. A physics major must complete all 300-400-level courses with a 2.0 minimum grade-point average.

Students have the option of adding a multidisciplinary concentration in electro-optics to their physics degree. The concentration is appropriate for physics majors who wish to pursue possible careers in photonics or graduate degrees in the area of optics.

PHY, PSC, and PCS majors are required to attain a grade of C- or better in all physics and math courses that are prerequisite courses for physics courses required of majors.

A minor in physics consists of twelve semester hours.

Faculty

Rex L. Berney, Chairperson
Distinguished Professor: Bueche
Distinguished Service Professor: O'Hare
Professors Emeriti: Graham, Kepes, Miner, Yaney
Professors: Berney, Brecha, Elhamri, Ewaraye, Pedrotti, Powers
Associate Professors: Ahoujja, Craver, Erdei, Smith
Assistant Professor: Zhao
Lecturers: Kariyawasam, Song

Majors/Minors (Collapse All)

Major/Minor Name

Bachelor of Science with a major in Physical Science (PSC)

The Physical Science Program is administered by the Department of Physics. It provides a broad training in the physical sciences that is desirable for one who plans to pursue a goal built on a composite science background. The physical science major combines adequate physics, chemistry, geology, and mathematics to provide a sound working knowledge of physical science. Since the program is less specialized than one in a single science, it has provision for adequate course selections and sufficient electives to provide the opportunity for concentrated study in a discipline chosen to meet the career objectives of the individual student.

	Sem. Hrs.
Physics	11
PHY 206, 207, 208, 210L, 211L	
Chemistry	8
CHM 123-123L, 124-124L	
Geology	8
GEO 115-115L, 116-116L	
Upper-level physical sciences ¹	26
Breadth Requirement	36
Mathematics, Computer Science	18
CPS (132 or 144)	
MTH 168, 169, 218, 219	



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Physics

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Physical Science (PSC)
Physics (PHY)
Physics-Computer Science (PCS)

Explore

Explore by Courses:

Operations Management (OPS)
Philosophy (PHL)
Photography (VAP)
Physics (PHY)

Explore

Social and Behavioral Sciences	6
Humanities	9
Philosophy and Religious Studies	12
Communication Competencies	0-9
Introduction to the University: ASI 150	0-1
General Education courses/academic electives to total at least	120

¹At least twelve semester hours in physics.

Bachelor of Science with a major in Physics (PHY)

	Sem. Hrs.
General Physics Concentration	37
PHY 206, 207, 208, 210L, 211L, 301, 303, 333, 390, 408, 430L, 431L	30
PHY electives (300- and 400-level)	7
Breadth Requirement	
Natural Sciences	8
CHM 123-123L, 124-124L	
Mathematics, Computer Science	21
CPS (132 or 144)	
MTH 168, 169, 218, 219, 310	
Social and Behavioral Sciences	6
Humanities	9
Philosophy and Religious Studies	12
Communication Competencies	0-9
Introduction to the University: ASI 150	0-1
General Education courses/academic electives to total at least	120
Physics and Electro-optics Concentration	42
ECE 443	3
PHY 206, 207, 208, 210L, 211L, 301, 303, 333, 390, 404, 408, 430L, 431L	33
Any two from: EOP 501, 502, 505, 506 (or ECE 573), 513 (or ECE 572), 514 (or ECE 574)	6

Breadth Requirement	
Natural Sciences	8
CHM 123-123L, 124-124L	
Mathematics, Computer Science	21
CPS (132 or 144)	
MTH 168, 169, 218, 219, 310	
Social Science and Behavioral Science	6
Humanities	9
Philosophy and Religious Studies	12
Communication Competencies	0-9
Introduction to the University: ASI 150	0-1
General Education courses/academic electives to total at least	120

Bachelor of Science with a major in Physics-Computer Science (PCS)

This combined program in physics and computer science leading to the Bachelor of Science with a major in Physics-Computer Science emphasizes the use of computer software in scientific applications and at the same time gives a foundation in the scientific disciplines of physics and computer science. Minimum

requirements for the degree are listed below. Students are advised to select additional computer science, mathematics, and physics courses as electives. For further information contact the Physics Department.

	Sem. Hrs.
Computer Science ¹	27
CPS 150, 151, 250, 346, 350, 353	
Two additional courses (350-level or above)	
Mathematics	18
MTH 168, 169, 218, 219, 310	
Physics ²	27-30
PHY 206, 207, 208, 210L, 211L, 323, 333	
Four additional courses (300- or 400-level)	
Breadth Requirement	27
Social and Behavioral Sciences	6
Humanities	9
Philosophy and Religious Studies	12
Communication Competencies	0-9
Introduction to the University: ASI 150	0-1
General Education courses/academic electives to total at least	120

¹Additional numerical analysis courses are recommended.

²A senior project involving some application of computers in physics is recommended.

Minor in Physics (PHY)

	Sem. Hrs.
Physics	12
Select twelve semester hours (300- or 400-level)	12

Courses (Collapse All Courses)

Code	Title	Sem. Hrs.
PHY 100	SEMINAR	0
	Opportunity to become acquainted with the broad spectrum of modern science through periodic meetings with the entire department. Invited speakers, films, student presentations, book reviews, and informal discussions. For all physics, physical science, and physics-computer science majors.	
PHY 105	PHYSICAL SCIENCE - ENERGY AND THE ENVIRONMENT	3
	General introduction to principles of physics including motion, energy, thermodynamics, electricity and magnetism, and nuclear physics. Applications of these principles to non-renewable and renewable energy systems and the climate. Intended for business students.	
PHY 108	PHYSICAL SCIENCE OF LIGHT AND COLOR	3
	A treatment of physical science with emphasis on light, color, and the interaction of light with materials. For nonscience students.	
PHY 108L	LIGHT AND COLOR LABORATORY	1
	Laboratory experiences to accompany PHY 108.	
	Corequisite(s): PHY 108.	
PHY 201	GENERAL PHYSICS	3
	Topics from mechanics, thermal and mechanical properties of matter, wave motion and sound, and electricity without the formalism of calculus. First term, each year.	

PHY 201L	GENERAL PHYSICS LABORATORY	1
Introductory laboratory appropriate for students of the health sciences. Experimental scientific techniques and the use of standard laboratory equipment. One two-hour period each week. First term, each year. Corequisite(s): PHY 201 or 206.		
PHY 202	GENERAL PHYSICS	3
Continuation of PHY 201 with a treatment of electricity and magnetism, wave motion and properties of light, atomic and nuclear physics. Second term, each year. Prerequisite(s): PHY 201.		
PHY 202L	GENERAL PHYSICS LABORATORY	1
Experimental scientific techniques and the use of standard laboratory equipment. One two-hour period per week. Second term, each year. Prerequisite(s): PHY 201L.		
PHY 203	MODERN TECHNICAL PHYSICS	3
Introduction to selected topics in modern physics without the formalism of calculus. For engineering technology students. Prerequisite(s): College algebra, trigonometry, and introductory statics and dynamics.		
PHY 203L	TECHNICAL PHYSICS LABORATORY	1
Laboratory experiences to accompany PHY 203.		
PHY 206	GENERAL PHYSICS I - MECHANICS	3
Introductory course in mechanics for students with a strong background in physics. Three lectures, one recitation each week. Corequisite(s): MTH 148 or 168.		
PHY 206H	GENERAL PHYSICS I - MECHANICS (HONORS)	3
Introductory course in mechanics for students with a strong background in physics. Three lectures, one recitation each week. By invitation only. Corequisite(s): MTH 148 or 168.		
PHY 207	GENERAL PHYSICS II - ELECTRICITY AND MAGNETISM	3
The basic principles of electricity and magnetism. Three lectures, one recitation each week. Prerequisite(s): PHY 201 or 206. Corequisite(s): MTH 149 or 169.		
PHY 208	GENERAL PHYSICS III - MECHANICS OF WAVES	3
Introduction to wave phenomena (including sound, light, and matter waves) leading to basic concepts in modern physics. Prerequisite(s): (MTH 149; PHY 202) or (MTH 169; PHY 207).		
PHY 210L	GENERAL PHYSICS LABORATORY I	1
Introduction to laboratory methods, handling of data, and analysis of results. Experiments appropriate to the background of students with an interest in mathematical and physical sciences. Two hours laboratory, one hour recitation each week. Corequisite(s): PHY 206.		
PHY 211L	GENERAL PHYSICS LABORATORY II	1
Laboratory methods, data handling, and analysis of results. Experiments appropriate to the background of students with an interest in mathematical and physical sciences. Two hours laboratory, one hour recitation each week. Prerequisite(s): PHY 210L. Corequisite(s): PHY 207.		
PHY 220	ENERGY AND ENVIRONMENTAL PHYSICS	3
Introduction to the physical basis of energy systems and the climate. Topics covered will include thermodynamics, planetary radiation balance, heat transfer, basic atmospheric and ocean physics, nuclear energy, renewable energy, modeling of carbon emissions from fossil fuels, simple climate		

models, monitoring climate change, and mitigation strategies.

Prerequisite(s): PHY 206.

PHY 232 THE PHYSICS OF WAVES 3

Physical concept and mathematical relations describing wave phenomena in a variety of physical systems. Topics include oscillation in mechanical and electrical systems, mechanical and electromagnetic waves, geometrical and physical optics and matter waves. Designed for electrical and computer engineering students, but open to all meeting the prerequisites.

Prerequisite(s): PHY 206; MTH 169 (may be taken as a corequisite).

PHY 250 DESCRIPTIVE ASTRONOMY 3 - 4

Descriptive survey for students who have had little or no previous exposure to astronomy; material from ancient times to present, including pulsars and quasi-stellar objects.

PHY 301 THERMAL PHYSICS 3

Thermodynamical descriptions of many particle systems obtained from microscopic statistical considerations; laws of thermodynamics, kinetic theory of dilute gases, and Fermi-Dirac and Bose-Einstein statistics.

Prerequisite(s): PHY 208 or 232.

Corequisite(s): MTH 219.

PHY 303 INTERMEDIATE MECHANICS I 3

The fundamental concepts of mechanics: virtual work, kinematics, special theory of relativity, Lagrange's equation and central forces, particle dynamics.

Prerequisite(s): PHY 208 or 232.

Corequisite(s): MTH 219.

PHY 321 ATOMIC AND NUCLEAR PHYSICS 3

Concepts and models of the structure of matter; atoms, ions, electrons and nuclei, radioactivity, interactions of radiation with matter, particle detection, accelerators, nuclear models, nuclear reactions and processes, and fundamental particles.

Prerequisite(s): (PHY 208 or 232) or permission of instructor.

PHY 323 COMPUTATIONAL PHYSICS 3

The course will explore how computers are used in physics. Topics will include simulations of physical systems, numerical analysis, and the use of mathematical analysis packages (MATCAD, for example.) Programming will be done in True BASIC and MATCAD.

Prerequisite(s): MTH 218; (PHY 208 or 232).

PHY 333 DIGITAL AND ANALOG ELECTRONICS FOR SCIENTISTS 3

Basic concepts of digital and analog integrated circuit electronics are developed as a way to understand modern microcomputer based instrumentation. A microcomputer based data collection and analysis system is used to study binary data input and output, analog to digital conversion (ADC) devices, digital to analog conversion (DAC) devices, and other digital integrated circuits and concepts. The analog electronics part of the course begins with a study of discrete analog devices and ends with operational amplifiers and their application. Two hours lecture and two hour laboratories each week.

Prerequisite(s): (PHY 202L or 211L) or equivalent.

PHY 390 INTRODUCTION TO QUANTUM MECHANICS 3

Basic postulates of quantum mechanics with applications made to atomic physics.

Prerequisite(s): MTH 219; (PHY 208 or 232).

Corequisite(s): MTH 302.

PHY 395 RESEARCH PARTICIPATION I 1 - 6

Individual projects conducted as part of the physics Undergraduate Research Participation program to encourage involvement of students with faculty researchers. Projects must be arranged in advance with faculty research directors.

PHY 399	SPECIAL PROBLEMS IN (NAMED AREA)	1 - 4
Special topical courses, laboratory, tutorial, or library work in areas of current interest. Students should consult the composite.		
PHY 403	INTERMEDIATE MECHANICS II	3
Emphasis on solving physical problems; noninertial coordinate systems, rigid body motion, rotating systems, coupled systems, introductory fluid statics and dynamics, normal coordinates, and the descriptions of mechanics appropriate for the transition to wave mechanics.		
Prerequisite(s): PHY 303.		
PHY 404	PHYSICAL OPTICS	3
The electromagnetic wave theory of light, propagation of waves, reflection, refraction, dispersion, polarization, dichroism, birefringence, superposition of waves, interference, diffraction, Fourier optics.		
Prerequisite(s): MTH 219; (PHY 208 or 232).		
PHY 408	INTERMEDIATE ELECTRICITY AND MAGNETISM I	3
Electrostatics, Coulumb's law, Gauss's law, potential, dielectric materials, electrostatic energy, solutions to Laplace's and Poisson's equations, Biot-Savart law, Faraday induction law, magnetization, and Maxwell's equations.		
Prerequisite(s): MTH 219; (PHY 208 or 232).		
PHY 409	INTERMEDIATE ELECTRICITY AND MAGNETISM II	3
Further study of electric and magnetic fields with emphasis on solving problems; Maxwell's equations, propagation of electromagnetic waves, electromagnetic radiation.		
Prerequisite(s): PHY 408.		
PHY 411	TOPICS IN MODERN PHYSICS	3
Elements of modern optics, solid state and other selected subjects. Consult chairperson for details.		
Prerequisite(s): PHY 390 or equivalent.		
PHY 420	INTRODUCTION TO SOLID STATE	3
Classification of solids, crystals and crystal structures, survey of lattice properties, free electron theory, band theory of solids, semi-conductors, and crystal imperfections.		
Prerequisite(s): MTH 219; (PHY 208 or 232); PHY 390.		
PHY 430L	ADVANCED LABORATORY	2
Experimental investigations based on principles from atomic and nuclear physics, electricity and magnetism, modern and classical optics, mechanics, solid state, cryogenics, x-ray diffraction, surface physics, or electronics. Not all experiments available every semester; consult chairperson for details.		
Prerequisite(s): PHY 333.		
Corequisite(s): An advanced course in Physics.		
PHY 431L	ADVANCED LABORATORY	2
Experimental investigations based on principles from atomic and nuclear physics, electricity and magnetism, modern and classical optics, mechanics, solid state, cryogenics, x-ray diffraction, surface physics, or electronics. Not all experiments available every semester; consult chairperson for details.		
Prerequisite(s): PHY 333.		
Corequisite(s): An advanced course in Physics.		
PHY 432L	ADVANCED LABORATORY	2
Experimental investigations based on principles from atomic and nuclear physics, electricity and magnetism, modern and classical optics, mechanics, solid state, cryogenics, x-ray diffraction, surface physics, or electronics. Not all experiments available every semester; consult chairperson for details.		
Prerequisite(s): PHY 333.		
Corequisite(s): An advanced course in Physics.		
PHY 433L	ADVANCED LABORATORY	2

Experimental investigations based on principles from atomic and nuclear physics, electricity and magnetism, modern and classical optics, mechanics, solid state, cryogenics, x-ray diffraction, surface physics, or electronics. Not all experiments available every semester; consult chairperson for details.

Prerequisite(s): PHY 333.

Corequisite(s): An advanced course in Physics.

PHY 440 QUANTUM MECHANICS II 3

Study of selected principles in quantum mechanics.

Prerequisite(s): PHY 390.

PHY 450 SENIOR PROJECT 3

The senior project is a capstone experience for senior physics majors. It will consist of a research project of the student's choosing and will require both an oral and written report. The nature and scope of the project will be chosen in consultation with the student's advisor. Permission of the department chairperson is required. Senior physics majors only.

PHY 460 SEMINAR 1

Presentation of papers by undergraduate students, faculty, and a guest lecturers on topics of concern to the modern physicist. Reviews of books and films appropriate to the group.

PHY 477 HONORS THESIS PROJECT 3

First of two courses leading to the selection, design, investigation, and completion of an independent, original Honors Thesis project under the guidance of a faculty research advisor. Restricted to students in the University Honors Program with permission of the program director and department chairperson. Students pursuing an interdisciplinary thesis topic may register for three semester hours each in two separate disciplines in consultation with the department chairpersons.

Prerequisite(s): Approval of University Honors Program.

PHY 478 HONORS THESIS PROJECT 3

Second of two courses leading to the selection, design, investigation, and completion of an independent, original Honors Thesis project under the guidance of a faculty research advisor. Restricted to students in the University Honors Program with permission of the program director and department chairperson. Students pursuing an interdisciplinary thesis topic may register for three semester hours each in two separate disciplines in consultation with the department chairpersons.

Prerequisite(s): Approved 477; approval of University Honors Program.

PHY 495 RESEARCH PARTICIPATION II 1 - 6

Individual projects conducted as part of the physics Undergraduate Research Participation program to encourage involvement of students with faculty researchers. Projects must be arranged in advance with faculty research directors.

PHY 499 SPECIAL PROBLEMS IN (NAMED AREA) (HONORS) 1 - 6

Laboratory, tutorial, or library work in one of such selected topics as solid state physics, polymers, atomic and nuclear physics, modern optics, theoretical physics, surface physics, or general physics.

Prerequisite(s): Permission of department chairperson.





the Bulletin

AUGUST 2009 - UNDERGRADUATE ISSUE

→ Explore a Different Issue

College of Arts and Sciences

(POL) Political Science (Collapse Description)

The Department of Political Science offers the Bachelor of Arts with a major in Political Science and the Bachelor of Arts with a major in Human Rights Studies. A minor in political science is also offered.

A major in political science requires thirty-six semester hours of political science courses.

A major in human rights studies requires forty-five to fifty-seven semester hours of courses in the humanities and the social sciences.

A minor in political science consists of fifteen semester hours. Courses selected by students should strengthen academic or career objectives.

Minors and Area Concentrations for Majors

A student majoring in political science may elect licensure in education (see EDT) or a minor in any related discipline within the College of Arts and Sciences. The student must consult with the department administering the discipline for the particular requirements of a minor. Students majoring in political science may elect to develop a multidisciplinary concentration in an area of interest including prelaw, international affairs, public administration and urban affairs, political journalism or others developed by the student in conjunction with his or her advisor.

Faculty

Jason Pierce, Chairperson

Professors Emeriti: Ahern, Fogel, Karns, Kerns, Lapitan, Nelson

Associate Professors: Bilocerkowycz, Ensalaco, Ghere, Ingram, Inscho, Martorano, Neeley, Pierce

Assistant Professors: Hudson, Pautz

Lecturers: Leonard, Putka, Talbot

Majors/Minors (Collapse All)

Major/Minor Name

Bachelor of Arts with a major in Human Rights Studies (HRS)

The Bachelor of Arts in Human Rights Studies is an integrated pre-professional degree firmly grounded in the traditional liberal arts. Students, faculty, and staff participating in the program enter into it guided by their fundamental commitment to respect and promote the dignity of each human person. The degree is intended to produce intellectually adept students who are capable of performing rigorous research and conducting high quality analysis of critical questions in the area of human rights studies. It is equally intended to produce thoughtful and transformational servant-leaders who will apply the knowledge and skills obtained in the program to contemporary human rights issues and situations both domestically and internationally. Through the integration of liberal and pre-professional education, the interdisciplinary program prepares distinctive graduates who intend to pursue advanced study and training in the field of human rights, or careers in human rights advocacy and humanitarian assistance. Those graduates will possess the values, knowledge and skills necessary for effective public service in government agencies, non-governmental organizations, international aid agencies, and non-profit groups in human rights or humanitarian assistance.

Courses taken for the major may also count toward completion of the Liberal Studies Curriculum.

Search Academic Information General Information

Explore by Department / Program:

Music
Philosophy
Physics
Political Science

Explore

Explore by Major / Minor:

Physics (PHY)
Physics-Computer Science (PCS)
Political Journalism (POJ)
Political Science (POL)

Explore

Explore by Courses:

Philosophy (PHL)
Photography (VAP)
Physics (PHY)
Political Science (POL)

Explore

Human Rights Studies	Sem. Hrs.
	45-48
ASI 397	3
CMM 355	3
HST 312	3
PHL 371	3
POL 305, 333, 334, 406	12
REL 363	3
SOC 371	3
Select one course from:	3
CMM 412	
HST 301	
POL 207	
SOC 208	
Select one course from each of three different concentrations:	9
ANT 360	
CJS 336	
ECO 460	
HST 334, 337, 356, 361, 399	
PHL 314, 317, 327, 370, 372	
POL 300 ¹ , 319, 331, 450, 452	
REL 358, 360, 366	
SOC 326, 328, 339, 345, 368, 435	
SPN 380, 480	
Experiential or Research Requirement	3-6
Select one course from (for a total of 3 semester hours):	
CMM 390	
HST 496	
PHL 492	
POL 321, 495	
SOC 409, 498	
Or complete an Honors Thesis (for a total of six semester hours):	
CMM 477 & 478	
HST 477 & 478	
PHL 477 & 478	
POL 477 & 478	
REL 477 & 478	
SOC 477 & 478	
Foreign Language Requirement ²	0-8
Liberal Studies Curriculum	
Humanities and Fine Arts	
Arts Study	3
Philosophy and Religious Studies	12
History	6
Literature: English or Foreign Language	3
Social Sciences	12
Mathematics (excludes MTH 102, 204, 205)	3
Natural Sciences	11
Communication Competencies	0-9
Introduction to the University: ASI 150	0-1
General Education courses/academic electives to total at least	124

¹This course can only be counted when taught as International Political Economy.

²Majors must demonstrate proficiency in a foreign language by passing a University proficiency examination or by completing a language course at the 141 level or higher with a minimum grade of C in one of the following languages: Arabic, French, German, Italian, Mandarin Chinese, Russian, or Spanish.

Bachelor of Arts with a major in Political Science (POL)

	Sem. Hrs.
Political Science	36
POL 201, (202 or 214), 207, (319 or 316 or 317)	12
Select twenty-four additional semester hours ^{1,2}	24
Liberal Studies Curriculum	
Humanities and Fine Arts	
Philosophy and Religious Studies	12
History	6
Literature: English or Foreign Language	3
Creative and Performing Arts	3
Foreign Language and/or Additional Arts and/or Humanities	3-9
Social Sciences	12
Mathematics (excludes MTH 102, 204, 205)	3
Natural Sciences	11
Communication Competencies	0-9
Introduction to the University: ASI 150	0-1
General Education courses/academic electives to total at least	124

¹Including twenty-one semester hours at the 300- or 400-level.

²Students earning the B.A. in Political Science may count no more than six semester hours earned on internships (POL 495) toward the fulfillment of the degree requirements in POL. Students may, however, take additional hours of internship credit (POL 495) and count them toward the necessary 124 hours needed for graduation.

Minor in Human Rights Studies (HRS)

The interdisciplinary minor in Human Rights Studies provides students an opportunity to address issues related to human rights from various disciplinary approaches. The universal nature of human rights issues may directly relate to a major, while in other cases this minor will provide an opportunity for broadening one's exposure to these important topics.

The Human Rights Studies minor requires eighteen semester hours. It is recommended that the required POL 333 course be taken in the sophomore year. Students should consult with the Director of Human Rights Studies to ensure that the courses selected from the elective pool display a significant degree of coherence. Courses taken from this minor may be applied to other minors and to breadth and general education requirements.

	Sem. Hrs.
Human Rights Studies	18
POL 333, 334	6
Select one course from:	3
PHL 371	
REL 363	
Select one course from:	3
ANT 325	
SOC 371	
Select two courses from: ^{1,2}	6
ANT 325, 360, 368	
CJS 336	
CMM 355	

ECO 460
 HST 312, 334, 337, 356, 361, 399
 PHL 314, 317, 327, 370, 371, 372
 POL 300³, 305, 319, 331, 406, 450, 452
 REL 358, 360, 363, 366
 SOC 326, 328, 339, 345, 368, 371, 435

¹At least one course must be from CMM, HST, PHL, or REL.

²Select any course that has not been already used to fulfill other Human Rights Studies Minor requirements.

³This course can only be counted when the topic is relevant to human rights.

Minor in Political Science (POL)

	Sem. Hrs.
Political Science	15
POL 201	3
Select four additional courses (300- or 400-level)	12

Courses (Collapse All Courses)

Code	Title	Sem. Hrs.
POL 101	GLOBAL POLITICS	3
	Examination of major problems and trends in world politics such as ethnic and religious conflict, economic integration and inequality, democratization and security issues, as well as the role of regional and international organizations.	
POL 201	THE AMERICAN POLITICAL SYSTEM	3
	Study of the American political system, its attitudinal and constitutional base, its structure and processes.	
POL 202	INTRODUCTION TO COMPARATIVE POLITICS	3
	Analysis of major concepts and approaches in the study of comparative government and politics.	
POL 207	POLITICAL ANALYSIS	3
	Introduction to the basic concepts and processes of research in political science.	
POL 214	INTRODUCTION TO INTERNATIONAL POLITICS	3
	Analysis of the dynamic forces of conflict and cooperation in world politics.	
POL 300	POLITICAL ISSUES	3
	Introductory examination of contemporary political issues selected by the instructor, such topics as welfare, political morality, political campaigns, institutional reform, and political economy.	
POL 301	THE AMERICAN JUDICIAL PROCESS	3
	Study of the judicial process as part of the political system. Focus on the participants (police, lawyers, judges, interest groups, litigants, jurors) and the process (criminal, civil, and appellate proceedings).	
POL 303	STATE AND LOCAL GOVERNMENT	3
	Comparative study of the political institutions, processes, and systems of the fifty states and their effect on the content and administration of selected public policies, programs, and services.	
POL 305	INTRODUCTION TO PUBLIC ADMINISTRATION	3
	Basic principles of organization and management in executive departments of government at all levels; questions of planning, leadership, and control.	
POL 306	PUBLIC POLICY ANALYSIS	3

Introduction to public policy-making systems and the methodology of policy analysis; theories of policy formulation, the policy-making process, means for measuring policy effectiveness, analysis of proposals for policy change.

POL 307 THE POLITICS OF BUREAUCRACY AND REGULATION 3
Examination of the nature and meaning of bureaucracy in contemporary American society, its relationship to the private sector, and the devices for its evaluation and control.

POL 308 MORALITY POLICY 3
Introduction to the morality-based public policy debate with comparison of morality policy (e.g. abortion, drugs, gay rights, pornography) and traditional forms of public policy; study of the moral basis underlying current political topics and debate.

POL 310 POLITICAL PARTIES, CAMPAIGNS, AND ELECTIONS 3
Analysis of the history, nature, and function of political parties and their role in the political system in both a domestic and comparative context.

POL 311 PUBLIC OPINION AND POLITICAL BEHAVIOR 3
The formation, maintenance, change, and impact of public opinion on the American political system; the role of theory and analysis of data in understanding public and political behavior.

POL 313 THE AMERICAN PRESIDENCY 3
Study of the American presidency, the development of presidential powers, and its leadership role in the political system.

POL 314 INTEREST GROUP POLITICS 3
Exploration of the role of interest groups in the American political system through an examination of their internal organization and their roles in the electoral and policy making processes at the national, state and local levels.
Prerequisite(s): POL 201.

POL 316 AMERICAN POLITICAL THOUGHT 3
An exploration and critical investigation of selected actors, thinkers, texts, ideas and movements in American political thought and theory from the colonial period to the present. Topics may include the founding, the age of Jackson, the Civil War, Progressivism, Women's Suffrage, the New Deal, the Cold War, the Civil Rights Movement, the 1960s, and others.

POL 317 DEVELOPMENT OF POLITICAL THEORY 3
Analysis of selected theorists and political doctrines forming the tradition of Western thought on politics. Theorists including Plato, Aristotle, the Stoics, Augustine, Aquinas, Machiavelli, Hobbes, Locke, Rousseau, Mill, Marx, Spencer, Lenin, Gasset, and Camus presented in their historical and socio-political contexts.

POL 318 PUBLIC INTEGRITY AND POLITICAL LEADERSHIP 3
Analysis of contemporary leadership issues related to integrity and values in political office-holding, public service, and global governance contexts.
Prerequisite(s): CMM 201 or (POL 201 or 202 or 214) or permission of instructor.

POL 319 TWENTIETH-CENTURY POLITICAL THOUGHT 3
Analysis of selected political theorists, concepts, and movements from the late nineteenth century to the present. Thinkers and concepts may include Marx, Nietzsche, Sartre, Camus, Freud, Arendt, Strauss, the Frankfurt School, Fanon, Foucault, Rawls, Rorty, existentialism, feminism, colonialism, post-modernity, liberalism, neo-conservatism among others.

POL 320 COMPARATIVE POLITICS: WESTERN EUROPE 3
Analysis of governmental institutions and political processes of Western Europe.

POL 321 COMPARATIVE POLITICS: RUSSIA AND THE NEW STATES 3

Analysis of governmental institutions and political processes of Russia and the New States.

POL 323 COMPARATIVE POLITICS: LATIN AMERICAN 3

Analysis of governmental institutions and political processes of Latin America.

POL 331 NATIONALISM AND ETHNOPOLITICS 3

An analysis of the politics of nationalism and ethnicity and their impact on social justice. Diverse case studies (US, Russia, Northern Ireland, Israeli-Palestinian) and institutions (European Community, United Nations) will be explored.

POL 333 POLITICS OF HUMAN RIGHTS 3

Examines the evolution of international human rights norms and the creation of the institutions for the protection and promotion of human rights, and case material relating to each category of internationally recognized human rights.

POL 334 POLITICS OF HUMAN RIGHTS II 3

This research seminar examines select topics related to the protection and promotion of human rights. This course is required for all Human Rights Studies majors. The research seminar adopts a case-study approach that enables students to analyze the complex social, economic, cultural, and political factors that impede the full realization of internationally recognized human rights, and to critically evaluate the effectiveness of the advocacy strategies used by inter-governmental human rights bodies and non-governmental human rights organizations. Thus, this seminar is designed to enable students to connect human rights theory and practice. Part I (Overview) provides a more in-depth examination of the material covered in POL 333 (the Politics of Human Rights I). Part II (Case Studies) examines critical contemporary issues and covers the full range of civil, political, economic, social, and cultural rights. Students will collaborate on team research projects and produce a final Human Rights Report containing an analysis of a specific situation of the violation of human rights, findings of fact, and recommendations aimed at rectifying the situation. Students will present and defend their team reports and present in class at the end of the semester.

Prerequisite(s): POL 333.

POL 335 UNITED STATES NATIONAL SECURITY POLICY 3

Analysis of various political, economic, and military issues and problems relating to U.S. national security.

POL 340 GENDER AND INTERNATIONAL RELATIONS 3

An examination of feminist approaches to the study of international politics and the influence of gender roles on notions of international peace, security, power, development, democracy, human rights, transnational advocacy, and conflict resolution.

Prerequisite(s): (POL 101 or 214) or permission of instructor.

POL 350 LEGISLATIVE POLITICS 3

Study of the U.S. Congress, its organization and procedures, and its powers and influence in the political system.

POL 360 URBAN POLITICS AND POLICY 3

Study of the nature of urban political systems in the U.S. with emphasis on explanation of differences in their policy responses.

POL 365 DISASTER POLICY AND ADMINISTRATION 3

Exploration of policy approaches and administrative response strategies related to various phases of disasters and security crises in the U.S. and international settings with attention to human rights issues.

Prerequisite(s): POL 201 or permission of instructor.

POL 371 ENVIRONMENTAL POLICY 3

Examination of environmental public policymaking and implementation in the U.S. and in the international arena. Analysis of domestic and international government responses to specific environmental issues.

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|--|--|---|
| POL 404 | UNITED STATES-LATIN AMERICAN RELATIONS | 3 |
| <p>This course examines the foreign relations of the United States with other countries of the Western hemisphere. Political, economic and security issues are examined from both theoretical and historical perspectives.
 Prerequisite(s): (POL 201 or 214) or permission of instructor.</p> | | |
| POL 406 | INTERNATIONAL LAW AND ORGANIZATION | 3 |
| <p>Study of rules governing the community of nations; their nature, sources, and development; the international agencies responsible for their development, interpretation, and administration.
 Prerequisite(s): POL 214 or permission of instructor.</p> | | |
| POL 408 | AMERICAN FOREIGN POLICY | 3 |
| <p>Critical study of the American foreign policy process and evaluation of the sources of American foreign policy.
 Prerequisite(s): (POL 201, 214) or permission of instructor.</p> | | |
| POL 409 | RUSSIAN FOREIGN POLICY | 3 |
| <p>Analysis of the internal and external factors shaping the foreign policies of Russia and the independent republics.</p> | | |
| POL 410 | COMPARATIVE FOREIGN POLICY | 3 |
| <p>Comparative analysis of the foreign policies of major states with emphasis on the process of policy development and on the national and international determinants of policy behaviors.
 Prerequisite(s): (POL 202 or 214) or permission of instructor.</p> | | |
| POL 411 | CONSTITUTIONAL LAW | 3 |
| <p>Analysis of the role of the U.S. Supreme Court in its interpretation of the Constitution. Emphasis on the various methods of judicial interpretation as they affect such provisions as the commerce clause, the taxing and spending powers, due process, the dimensions of presidential and congressional authority, and the doctrine of judicial review.
 Prerequisite(s): POL 301 or permission of instructor.</p> | | |
| POL 412 | COMPARATIVE LAW | 3 |
| <p>Explores how foreign judicial systems protect and promote civil and political rights through different constitutional designs.
 Prerequisite(s): POL 301.</p> | | |
| POL 413 | THE POLITICS OF BUREAUCRACY AND REGULATION | 3 |
| <p>Examination of the nature and meaning of bureaucracy in contemporary American society and the devices for its evaluation and control.</p> | | |
| POL 421 | SEMINAR IN POLITICAL SCIENCE | 3 |
| <p>Seminar on current problems and issues in political science. May be taken more than once when content changes.
 Prerequisite(s): Political Science major; completed POL core courses.</p> | | |
| POL 426 | LEADERSHIP IN BUILDING COMMUNITIES | 3 |
| <p>Investigation of the processes by which urban neighborhoods develop themselves from the inside out. Students cultivate their own interdisciplinary appreciation of urban communities through extensive interaction with one neighborhood's visioning process. Topics include asset-based community development, social capital, citizenship, adaptive leadership, and community building strategies and tools.</p> | | |
| POL 431 | INDEPENDENT STUDY AND RESEARCH | 3 |
| <p>Individual reading and research on selected topics under faculty direction. Recommended for seniors only.
 Prerequisite(s): Permission of instructor and department chairperson.</p> | | |
| POL 450 | CIVIL LIBERTIES | 3 |

Analytical examination of civil liberties in the U.S. with emphasis on the Supreme Court as arbiter in the endless conflict between the demand for individual liberty and the needs of constitutional authority.

Prerequisite(s): (POL 301 or 411) or permission of instructor.

POL 452 POLITICAL VIOLENCE 3

Consideration of theoretical approaches to understanding violent change in political institutions; the continuum between violence and nonviolence; revolution, revolt, campus dissent, and political assassination.

Prerequisite(s): (POL 202 or 333) or permission of instructor.

POL 477 HONORS THESIS PROJECT 3

First of two courses leading to the selection, design, investigation, and completion of an independent, original Honors Thesis project under the guidance of a faculty research advisor. Restricted to students in the University Honors Program with permission of the program director and department chairperson. Students pursuing an interdisciplinary thesis topic may register for three semester hours each in two separate disciplines in consultation with the department chairpersons.

Prerequisite(s): Approval of University Honors Program.

POL 478 HONORS THESIS PROJECT 3

Second of two courses leading to the selection, design, investigation, and completion of an independent, original Honors Thesis project under the guidance of a faculty research advisor. Restricted to students in the University Honors Program with permission of the program director and department chairperson. Students pursuing an interdisciplinary thesis topic may register for three semester hours each in two separate disciplines in consultation with the department chairpersons.

Prerequisite(s): Approved 477; approval of University Honors Program.

POL 479 SELECTED TOPICS IN PUBLIC POLICY 3

Intensive examination of policy process, outcomes, and impact in an area or areas of American public policy selected by the instructor; such topics as transportation, education, welfare, national defense, urban and community development, civil rights, and science and technology. May be repeated once when topic changes.

POL 495 INTERNSHIP 3

Supervised experience in government agencies and programs. Prelaw students are assigned to law firms and judicial chambers.

Prerequisite(s): Permission of supervising professor.

POL 497 SERVICE LEARNING EXPERIENCE 1

Supervised community research or service experience that complements a specific upper division course in Political Science. Repeatable up to three semester hours. No more than three semester hours of Social Science 497 credits can count toward graduation.

Prerequisite(s): Permission of instructor.

Corequisite(s): A 300-400 Political Science course.





College of Arts and Sciences

(PLW) Prelaw (Collapse Description)

At the University of Dayton, any student, regardless of major, thinking about attending law school should join the Prelaw Program. The program provides students with the guidance and academic assistance necessary to prepare them for success in the study of law. Because law schools seek students with a broad, liberal arts education and discourage students from having a vocationally-oriented "prelaw" major, prelaw students at the University of Dayton select undergraduate majors based on their interests and aptitudes. They select these majors either as incoming first-year students or, with the aid of their prelaw advisors, later in their college career. However, in order to receive adequate counseling, all students thinking about postgraduate work in law should declare their prelaw intentions to the prelaw office as early as possible. This enables them to take full advantage of all the counseling, advising, and preparatory services provided by the Prelaw Program.

In addition to courses in their majors, prelaw students select courses that help develop analytical skills and academic abilities necessary for success in law school and careers in law. While no prelaw course of study is perfect for all students, particular courses taken in conjunction with a traditional academic major provide the prelaw student with an excellent academic preparation for legal study. Students take courses which emphasize the following:

1. Skill in the analysis and synthesis of ideas. Courses in such disciplines as history, literature, mathematics, philosophy, and the sciences develop critical, analytical thinking.
2. Proficiency in communicating ideas effectively and clearly. Courses in such areas as composition theory and process, exposition and argumentation, persuasion, and the techniques and uses of research aid in the development of this ability.
3. Comprehension of the basic principles of the American political and legal systems, including their origins and functions. Courses in British and American history, political science, and criminal justice promote an understanding of these concepts.
4. A critical examination of the ethical issues in the law and the legal profession. Courses in philosophy and religious studies form a basis for such an examination.
5. An understanding of the basic principles of economics and accounting.

Members of the Prelaw Committee help students develop an appropriate course of study based on their interests, aptitudes, and goals. In addition, they provide students with information about law school recruitment, financial aid, the Law School Admission Test (LSAT), and the writing of applications and securing of recommendations. The Prelaw Program also sponsors LSAT preparation workshops, a prelaw internship (through the Political Science department) for which students receive course credit while working in an attorney's office, and mock trial competition. A chapter of Phi Alpha Delta, a national law fraternity, is active on campus.

Prelaw Committee

R. Alan Kimbrough (English), Director
 Becker (Sociology), Cahoon (Psychology), Flockert (History), Frasca (Economics, Business Administration), Huff (College of Arts and Sciences), Ingram (Criminal Justice, Political Science), Payne (Philosophy) H. Pestello (Sociology), Pierce (Political Science), Robinson (Biology), Russo (School of Education), Yoder (Communication)

Courses (Collapse All Courses)

Code	Title	Sem. Hrs.
PLW 301	MOCK TRIAL I	1

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→ Explore a Different Issue

Search Academic Information General Information

Explore by Department / Program:

Philosophy
 Physics
 Political Science
 Prelaw

Explore

Explore by Major / Minor:

Accounting (ACC)
 Adolescence to Young Adult Educatio... (EYA)
 Aerospace Engineering (AAE)
 Aerospace Engineering Concentration (AEC)

Explore

Explore by Courses:

Photography (VAP)
 Physics (PHY)
 Political Science (POL)
 Prelaw (PLW)

Explore

Practice and performance of attorney and witness roles for Mock Trial National Competition case. Repeatable up to four semester hours.

PLW 302 MOCK TRIAL II

Practice and performance of attorney and witness roles for Mock Trial Regional and National competitions. Repeatable up to four semester hours.

Prerequisite(s): PLW 301; invitation by mock trial coaches.

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College of Arts and Sciences

Premedicine / Predentistry (Collapse Description)

The Bachelor of Science with a major in premedicine (MED) or predentistry (DEN) is an interdisciplinary curriculum of study. It is distinctively designed to provide a science-based, diverse education as a preparation for admission to any of the allied health care professional schools including medical, dental, veterinary, and chiropractic. Courses in biology, chemistry, mathematics, and physics comprise the science core of the major. A substantial complement of humanities and social sciences courses are also required. Within this framework the curriculum is flexible and can be tailored to suit personal interests. During the first two years, students enroll in courses appropriate for entry into professional schools while they also fulfill basic University requirements.

Admission to professional schools depends upon many factors in addition to the curriculum or major. Academic standing, performance on standardized examinations, practical experience relevant to the profession of interest, and adherence to application procedures are all important. The Premedical Programs Office addresses these factors through a comprehensive approach to pre-health care education.

Along with the administration of the DEN and MED majors, the Premedical Programs office acts as the focal point for all matters related to admission to any allied health care professional school. It is an information clearing house, functions as a liaison with professional schools, and coordinates the application process. Students in any major planning to apply to professional schools are urged to maintain a close relationship with this office.

The University automatically enrolls entering premedical or pre dental majors into special orientation classes, and identifies them to the Premedical Programs office. Members of the Premedical/Predental Advisory Committee advise these students. However, advising services are available to all pre-professional students regardless of their major. Students in other majors may elect to have committee members serve as their secondary advisors; such students should identify themselves to the Premedical Programs office.

In addition to providing counseling, Premedical Programs offers a seminar series, joint programs with medical schools, grants for health care related experiences, and scholarships. Since admission to professional schools is highly selective, the program monitors the academic progress of MED/DEN majors, and provides feedback at the end of the first and second year. Transfers to other majors, particularly to science majors, can usually be accommodated during the first two years without affecting normal progress towards graduation.

Premedical/Predental Advisory Committee

Robert J. Kearns, (Biology) Director
Abueida (Mathematics), Ahouija (Physics), Church (Chemistry), Craver (Physics), Erdei (Physics), Friese (Biology), Johnson (Chemistry), Krane (Biology), Nielsen (Biology), Smith (Physics), S. Wright (Biology)

Majors/Minors (Collapse All)

Major/Minor Name

Bachelor of Science in Predentistry (DEN)

Predentistry

Sem. Hrs.

45-50

Required Science Courses

BIO	151-151L, 152-152L	8
CHM	123-123L, 124-124L, 201-201L, 313-313L, 314-314L	20
MTH	((148 & 149) or (168 & 169)) ¹	6-8

Search Academic Information General Information

Explore by Department / Program:

Physics
Political Science
Prelaw
Premedicine / Predentistry

Explore

Explore by Major / Minor:

Polymer Materials (PME)
Pre-Physical Therapy (EPT)
Pre dentistry (DEN)
Premedicine (MED)

Explore

Explore by Courses:

Physics (PHY)
Political Science (POL)
Prelaw (PLW)
Premedicine / Pre dentistry (MED)

Explore

PHY ((201 ² & 202) or (206 & 207 & 208)), 201L ² , 202L	8-11
--- (CPS 111 or MTH 207 or MTH 367)	3
Science electives ³	17
Choose five science electives including two with accompanying laboratories from the following courses.	
BIO 309-309L, 312-312L, 403-403L, 411-411L, 415, 427, 439, 440-440L, 442-442L, 445, 460, 462, 466, 470, 480-480L	
CHM 302, 420, 427, 451, 452	
General electives ^{4,5}	12-18
Breadth Requirement	
Social and Behavioral Sciences	12
History	6
Humanities ⁶	3
Philosophy and Religious Studies ⁷	12
Arts Study	3
Communication Competencies	0-9
ENG elective ⁸	
Introduction to the University: ASI 150	0-1
General Education courses/academic electives to total at least	120

¹Students with a weak background should take MTH 137 and 138, followed by MTH 149. Well qualified students are advised to take MTH 168-169.

²Well qualified students are strongly advised to take PHY 206-207-208 lecture sequence with PHY 201L and 202L.

³The elective courses must be directly related to the primary field of interest.

⁴Only general elective courses can be taken under Grading Option Two.

⁵Courses in graphic design, studio art, or performing arts are recommended.

⁶A modern foreign language is strongly recommended.

⁷One PHL or REL elective must be an ethics course. Select PHL 312, 315; REL 265, 367.

⁸Select ENG elective from among ENG 203, 204, 205, 272, 316, or any 300-level General Education ENG elective. ENG 376, when content is Medical Writing, is recommended.

Bachelor of Science in Premedicine (MED)

Premedicine	Sem. Hrs. 45-50
Required Science Courses	
BIO 151-151L, 152-152L	8
CHM 123-123L, 124-124L, 201-201L, 313-313L, 314-314L	20
MTH ((148 & 149) or (168 & 169)) ¹	6-8
PHY ((201 ² & 202) or (206 & 207 & 208)), 201L ² , 202L	8-11
--- (CPS 111 or MTH 207 or MTH 367)	3
Science electives ³	17
Choose five science electives including two with accompanying laboratories from the following courses.	
BIO 309-309L, 312-312L, 403-403L, 411-411L, 415, 427, 439, 440-440L, 442-442L, 445, 460, 462, 466, 470, 480-480L	
CHM 302, 420, 427, 451, 452	
General electives ⁴	12-18

Breadth Requirement

Social and Behavioral Sciences	12
History	6
Humanities ⁵	3
Philosophy and Religious Studies ⁶	12
Arts Study	3
Communication Competencies	0-9
ENG elective ⁷	
Introduction to the University: ASI 150	0-1
General Education courses/academic electives to total at least	120

¹Students with a weak background should take MTH 137 and 138, followed by MTH 149. Well qualified students are advised to take MTH 168-169.

²Well qualified students are strongly advised to take PHY 206-207-208 lecture sequence with PHY 201L and 202L.

³The elective courses must be directly related to the primary field of interest.

⁴Only general elective courses can be taken under Grading Option Two.

⁵A modern foreign language is strongly recommended.

⁶One PHL or REL elective must be an ethics course. Select from among PHL 312, 315; REL 360, 367.

⁷Select ENG elective from among ENG 203, 204, 205, 272, 316, or any 300-level General Education ENG elective. ENG 376, when content is Medical Writing, is recommended.

Courses (Collapse All Courses)

Code	Title	Sem. Hrs.
MED 477	HONORS THESIS PROJECT	3
First of two courses leading to the selection, design, investigation, and completion of an independent, original Honors Thesis project under the guidance of a faculty research advisor. Restricted to students in the University Honors Program with permission of the program director and department chairperson. Students pursuing an interdisciplinary thesis topic may register for three semester hours each in two separate disciplines in consultation with the department chairpersons.		
Prerequisite(s): Approval of University Honors Program.		
MED 478	HONORS THESIS PROJECT	3
Second of two courses leading to the selection, design, investigation, and completion of an independent, original Honors Thesis project under the guidance of a faculty research advisor. Restricted to students in the University Honors Program with permission of the program director and department chairperson. Students pursuing an interdisciplinary thesis topic may register for three semester hours each in two separate disciplines in consultation with the department chairpersons.		
Prerequisite(s): Approved 477; approval of University Honors Program.		





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College of Arts and Sciences

(PSY) Psychology (Collapse Description)

Psychology is the scientific study of behavior, and as such is a diverse field that touches all aspects of human endeavor.

The objectives of the Department of Psychology are to provide students with learning experiences in and out of the classroom which will increase their critical thinking skills, facilitate their acquisition of the body of knowledge inherent in the study of human behavior, equip them with its research methodology, and prepare them for employment or graduate school.

The Department of Psychology offers both the Bachelor of Arts and the Bachelor of Science degrees. Each student, in consultation with an advisor, selects a program leading to either a Bachelor of Arts or a Bachelor of Science with appropriate elective credits according to individual interests and goals. The availability of both degrees allows the student to plan a double major or a major in psychology with a strong concentration of study in a related or complementary discipline. It also allows for easy transfer into psychology from prior majors. The department encourages students who are interested in preparation for graduate school or a career in a particular area of psychology to consult the Psychology Undergraduate Student Handbook, available on the World Wide Web, for a listing of courses that are recommended for preparation in that area. Some examples of such areas include clinical psychology, developmental psychology, human factors/ergonomics, and social psychology.

Each psychology major must complete PSY 101, 216, and 217 early in his or her academic career. The remaining requirements are stated in the two outlines below. Exceptions to these requirements must be approved by the chairperson.

Psychology majors are required to attain grades of C- or better in the following courses: PSY 101, 216, 217, and any two courses from each of the two core groupings (PSY 321, 322, 323, 422) (PSY 341, 351, 361, 363). If a C- or better is not attained, courses will have to be retaken if they are used to satisfy the psychology major.

A minor in psychology consists of eighteen semester hours.

Faculty

David W. Biers, Chairperson
 Professors Emeriti: Allik, Butter, DaPolito, Korte, Kuntz, Moroney
 Professors: Eggemeier, Polzella
 Associate Professors: Biers, Bower, Elvers, Katsuyama, Reeb, Roecker-Phelps, Zois
 Assistant Professors: Bauer, Crutcher, Davis, Dixon, Kirschman, Montoya
 Visiting Assistant Professor: Berry
 Lecturer: Layman-Guadalupe

Majors/Minors (Collapse All)

Major/Minor Name

Bachelor of Arts with a major in Psychology (PSY)

Psychology

Sem. Hrs.

33-45

PSY 101, 216¹, 217

9

Select two courses from:

6

PSY 321, 322, 323, 422

Select two courses from:

6

PSY 341, 351, 361, 363

Search Academic Information General Information



Explore by Department / Program:

Political Science
 Prelaw
 Premedicine / Pre dentistry
 Psychology

Explore

Explore by Major / Minor:

Pre dentistry (DEN)
 Premedicine (MED)
 Psychology (PSS)
 Psychology (PSY)

Explore

Explore by Courses:

Political Science (POL)
 Prelaw (PLW)
 Premedicine / Pre dentistry (MED)
 Psychology (PSY)

Explore

Psychology electives ²	12-24
Liberal Studies Curriculum	
Humanities and Fine Arts	
Philosophy and Religious Studies	12
History	6
Literature: English or foreign language	3
Creative and Performing Arts	3
Foreign Language and/or Arts and/or Humanities	3-9
Social Sciences (excludes PSY courses)	12
Mathematics	3
MTH 114, 116, 128, 129, 137, 138, 148, 149, 168, 169	
Natural Sciences	11
Communication Competencies	0-9
Introduction to the University: ASI 150	0-1
General Education courses/academic electives to total at least	124

¹May substitute MTH 207 for PSY 216, but the MTH course does not count toward the thirty-four credit hours required in PSY for the major.

²No more than a total of six hours of PSY 352, 477, 478, 490, 493, 494 and/or 497 may count toward the thirty-four credit hours required in PSY for the major.

Bachelor of Science with a major in Psychology (PSS)

	Sem. Hrs.
Psychology	33
PSY 101, 216 ¹ , 217	9
Select two courses from:	6
PSY 321, 322, 323, 422	
Select two courses from:	6
PSY 341, 351, 361, 363	
PSY electives ²	12-23
Breadth Requirement	
Natural Sciences ³	24
Mathematics, Computer Science	6
MTH 148 ⁴ , 149 ⁴	
Humanities	9
Social and Behavioral Sciences	6
Philosophy and Religious Studies	12
Communication Competencies	0-9
Introduction to the University: ASI 150	0-1
General Education courses/academic electives to total at least	120

¹May substitute MTH 207 for PSY 216, but the MTH course does not count toward the thirty-four credit hours required in PSY for the major.

²No more than a total of six hours of PSY 352, 477, 478, 490, 493, 494, and/or 497 may count toward the thirty-four credit hours required in PSY for the major.

³Two three-semester hour natural science courses (BIO, CHM, GEO, PHY) with accompanying laboratories are required. The remaining sixteen semester hours may be fulfilled by courses in BIO, CHM, GEO, PHY, and CPS courses as well as by MTH courses beyond the departmental MTH requirement.

⁴May substitute MTH 116, 128, 129, 137, 138, 168, or 169 for MTH 148 or 149.

Minor in Psychology (PSY)

	Sem. Hrs.
Psychology	18
PSY 101	3
Select one course from:	3
PSY 321, 322, 323, 422	
Select one course from:	3
PSY 341, 351, 361, 363	
Select nine additional semester hours (300- or 400-level) ¹	9

¹Only three semester hours of PSY 352, 490, 493, 494, and/or 497 may count toward the minor.

Courses (Collapse All Courses)

Code	Title	Sem. Hrs.
PSY 101	INTRODUCTORY PSYCHOLOGY	3
	Study of human behavior including development, motivation, emotion, personality, learning, perception; general application of psychological principles to personal, social, and industrial problems. Students must participate in departmental research.	
PSY 216	ELEMENTARY STATISTICS	3
	Basic probability and applied statistics: measures of central tendency and dispersion, sampling, estimation, hypothesis testing, tests between means, linear regression, correlation, and ANOVA.	
	Prerequisite(s): MTH 102 or higher; PSY 101.	
PSY 217	EXPERIMENTAL PSYCHOLOGY	3
	Basic concepts of scientific methods as applied to psychological problems. Experiments to familiarize students with application of scientific methodology to study of human psychological processes. Required of all psychology majors.	
	Prerequisite(s): PSY 101, 216.	
PSY 251	HUMAN GROWTH AND DEVELOPMENT	3
	Focuses on stages of human development from infancy through the aging adult. Emphasis is on various theoretical approaches and the development associated with each stage. Psychology majors may not take for credit toward major.	
	Prerequisite(s): PSY 101.	
PSY 321	COGNITIVE PROCESSES	3
	Information-processing approach to attention, perception, memory, imagery, and thought. Theoretical structures including neuron modeling of higher cognitive and experimental processes.	
	Prerequisite(s): PSY 101.	
PSY 321L	COGNITIVE PROCESSES LABORATORY	1
	In-depth discussion of seminal research in cognition. Collection, analysis, and interpretation of data.	
	Prerequisite(s): (PSY 101, 216, 217, 321) or permission of instructor.	
PSY 322	LEARNING	3
	Foundations of the learning process. Classical and instrumental paradigms and variants of each considered in preparation for investigations of complex learning.	
	Prerequisite(s): PSY 101.	
PSY 323	PSYCHOLOGY OF PERCEPTION	3
	Introduction to major theoretical and experimental work in perception, including visual, auditory, proprioceptive, and other sensory systems.	
	Prerequisite(s): PSY 101.	
PSY 333	PSYCHOLOGICAL TESTS AND MEASUREMENTS	3

Survey of major tests of intelligence, aptitude, interest, and personality presently used in clinics, schools, personnel offices, and research settings. Emphasis on evaluation and comparison, rationale of construction, ethical considerations.

Prerequisite(s): (PSY 101, 216) or equivalent.

PSY 334 INDUSTRIAL PSYCHOLOGY 3

Introduction to modern efforts to improve human performance in industrial organizations and society; selection and placement of employees, morale, training, and incentives.

Prerequisite(s): PSY 101.

PSY 341 SOCIAL PSYCHOLOGY 3

Survey of major theoretical and experimental work in the field; attitudes, conformity, emotions, group dynamics.

PSY 344 INTERPERSONAL RELATIONS 3

Social psychological research in nonverbal behavior, social exchange, self-disclosure, and interpersonal attraction and how these are related to developing relationships.

Prerequisite(s): PSY 101.

PSY 351 CHILD PSYCHOLOGY 3

Study of psychological processes from the developmental point of view; changes in perception, cognition, emotion, and social behavior from infancy to adolescence.

Prerequisite(s): PSY 101.

PSY 352 FIELD EXPERIENCE IN CHILD PSYCHOLOGY 1

Practical experience with a community agency providing instructional, recreational, or therapeutic services. Volunteer four to five hours weekly.

Prerequisite(s): PSY 101; PSY 351 (may be taken as a corequisite).

PSY 353 THE PSYCHOLOGY OF ADULT DEVELOPMENT AND AGING 3

Provides a general introduction to the multi-disciplinary field of adulthood and aging with a specific focus on aspects of interest to psychologists: cognitive, intellectual, personality, and biological changes across adult development.

Prerequisite(s): PSY 101.

PSY 355 DEVELOPMENTAL PSYCHOPATHOLOGY 3

Survey of developmental theory and research related to the psychopathology of infants, children, and adolescents. Focus is on etiology, identification, and intervention.

Prerequisite(s): (PSY 101, 351) or permission of instructor.

PSY 361 PERSONALITY 3

Introduction to the study of personality through analysis of such major theories as those of Freud, Skinner, Maslow, and Rogers. The development of personality and the stability of personality characteristics over time. Review of clinical and experimental findings.

Prerequisite(s): PSY 101.

PSY 363 ABNORMAL PSYCHOLOGY 3

Patterns of disordered behavior; social, psychological, and physiological factors; theoretical explanations of abnormal behavior.

Prerequisite(s): PSY 101.

PSY 364 PSYCHOTHERAPY 3

Survey of current types of psychotherapy. Emphasis on similarities and differences in underlying theories of behavioral change and associated techniques.

Prerequisite(s): PSY 101.

PSY 366 HEALTH PSYCHOLOGY 3

Explores psychological research, theory, and techniques in health-related areas, such as health promotion, the identification of contributors to illness, illness prevention, stress and coping, stress management, changing health beliefs and behavior, pain and its management, and the management of chronic and terminal illnesses.

PSY 368 COMMUNITY PSYCHOLOGY

3

The application of psychological principles to the understanding and prevention of prevalent community problems including teen pregnancy, school violence, mental illness, substance abuse, homelessness and poverty.

Prerequisite(s): PSY 101.

PSY 375 PSYCHOLOGY OF THE ARTS

3

Explores the psychological experiences associated with the creation and appreciation of music, art, and literature. Course content is presented in terms of the theories, methods, and research findings in the fields of perception, cognition, and development.

PSY 410 QUESTIONNAIRE DESIGN

3

Students will learn about critical issues in questionnaire design and use, the advantages/disadvantages of questionnaires, types of questionnaires, questionnaire development strategies, scale selection, and how to evaluate questionnaires. Students will develop, test and evaluate a questionnaire in a domain of interest to them. Depending on the size of the effort, students may work in teams.

PSY 422 PHYSIOLOGICAL PSYCHOLOGY

3

Neurophysiological analysis of attention, sensation, perception, emotion, motivation, and learning. Electrophysiological methods are discussed.

Prerequisite(s): PSY 101.

PSY 431 INTERVIEWING AND COUNSELING

3

Integrated approach to the theory, techniques, skills, and values of interviewing and counseling. Practice through written assignments, self study, classroom exercises, and role-playing.

Prerequisite(s): PSY 101.

PSY 435 HUMAN FACTORS

3

Students learn methods to improve the interface between humans and their environment. Human characteristics are studied to determine the best way to design the task, product, workstation, or other environmental features to accommodate the human. Students in the School of Engineering must have junior or senior status.

PSY 443 PSYCHOLOGY OF WOMEN

3

Survey of topics related to the psychology of women, such as gender identity and roles, theories of female development, relationships, achievement, language, health issues, spirituality, sexuality, and violence.

Prerequisite(s): PSY 101.

PSY 444 ENVIRONMENTAL PSYCHOLOGY

3

Study of the effects of the physical and social environment on human behaviors, attitudes, and affective responses.

Prerequisite(s): (PSY 101, 341) or permission of instructor.

PSY 445 TECHNOLOGY, ENVIRONMENT, AND BEHAVIOR

3

Examines the cultural bases for the individual and societal choices which humans make about their use of technology. Technology is broadly defined to include human-machine systems.

PSY 450 PSYCHOLOGY FOR MINISTRY

3

Human development and adjustment, interpersonal communication, and the psychology of religion.

Prerequisite(s): Acceptance into the Lay Ministry Program or permission of instructor.

- PSY 451 PSYCHOLOGY OF RELIGION 3
Addresses the psychological study of the nature of religion and religious experience; explores the development of internalized beliefs, attitudes, and values and the effect they have on individual functioning. An introductory course in psychology is highly recommended.
Prerequisite(s): Junior or senior standing.
- PSY 452 COGNITIVE DEVELOPMENT IN CHILDREN 3
Major approaches to the study of cognitive development; attentional and mediational development in children's learning, memory, and problem solving; language development and Piaget's theory.
Prerequisite(s): (PSY 101, 351) or permission of instructor.
- PSY 457 TELEVISION AND ITS EFFECTS ON CHILDREN 3
Readings in psychological research on the broad effects of television on children. Emphasis on analyzing and evaluating the research.
Prerequisite(s): PSY 101.
- PSY 461 CURRENT IMPLICATIONS OF DRUG DEPENDENCY 3
Survey of effects, symptoms, treatment, causalities, and myths associated with drug use and abuse. Emphasis on existing treatment methods and psychological implications of drug dependency.
Prerequisite(s): PSY 101.
- PSY 462 HUMAN SEXUALITY 3
Psychological factors in human sexuality including developmental, biological, and social perspectives. Such topics as sexual orientation, gender identity and roles, sexual relationships, sexual dysfunction, power and violence, and commercialization.
- PSY 471 HISTORY OF PSYCHOLOGY 3
The evolution of psychology from its origins in philosophy, science, clinical, and applied settings. Emphasis on integrating these systems and schools of thought with modern psychology.
Prerequisite(s): PSY 101 or permission of instructor.
- PSY 477 HONORS THESIS PROJECT 3
First of two courses leading to the selection, design, investigation, and completion of an independent, original Honors Thesis project under the guidance of a faculty research advisor. Restricted to students in the University Honors Program with permission of the program director and department chairperson. Students pursuing an interdisciplinary thesis topic may register for three semester hours each in two separate disciplines in consultation with the department chairpersons.
Prerequisite(s): Approval of University Honors Program.
- PSY 478 HONORS THESIS PROJECT 3
Second of two courses leading to the selection, design, investigation, and completion of an independent, original Honors Thesis project under the guidance of a faculty research advisor. Restricted to students in the University Honors Program with permission of the program director and department chairperson. Students pursuing an interdisciplinary thesis topic may register for three semester hours each in two separate disciplines in consultation with the department chairpersons.
Prerequisite(s): Approved 477; approval of University Honors Program.
- PSY 490 INTERNSHIP IN PSYCHOLOGY 1 - 6
Supervised experience arranged on an individual basis in appropriate settings. For junior or senior psychology majors who have completed prescribed course work only. Consult internship director for details. May be repeated up to six semester hours. Grade Option Two only.
- PSY 493 INDEPENDENT STUDY 1 - 6
Problems of special interest investigated under faculty direction. Area and criteria for evaluation to be specified prior to registration. May be repeated up to six semester hours.
Prerequisite(s): Permission of instructor.

PSY 494 READINGS IN PSYCHOLOGY

1 - 6

Directed reading in a specific area of interest, under faculty supervision. Topic and criteria for evaluation to be specified prior to registration. May be repeated up to six semester hours.

Prerequisite(s): Permission of instructor.

PSY 495 SPECIAL TOPICS IN PSYCHOLOGY

1 - 3

Topics of special interest to faculty and students; intensive critical evaluation of appropriate literature.

Prerequisite(s): Permission of instructor.

PSY 497 SERVICE LEARNING EXPERIENCE

1

Supervised community research or service experience that complements a specific upper division course in Psychology. Repeatable up to three semester hours.

Corequisite(s): A 300-400 level Psychology course.





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→ Explore a Different Issue

College of Arts and Sciences

(REL) Religious Studies (Collapse Description)

The Department of Religious Studies sees itself as a community of scholars serving the University community and the local community by teaching, research, criticism, and action. The main concern of the department is an understanding and elucidation of the Judaeo-Christian religious experience as it is exemplified in the Roman Catholic tradition. This implies not only a deep investigation of the Roman Catholic position but also a dialogue with other Christian denominations and with other world religions.

Students majoring in religious studies ordinarily follow one of five tracks in the major. Students preparing for ministry in a Christian church (e.g., pastoral associates, youth ministry, parish religious educators) follow the "Ministry" track. Students preparing to teach religion in elementary or secondary schools follow the "Catholic Schools" track. Students preparing for graduate study in Christian theology, systematics, church history, ethics, etc., follow the "Graduate School Preparation" track. Students preparing for graduate study of religions other than Christianity and/or interested in world religions follow the "World Religions" track. Students wishing to study religion as a way of broadening their horizons or who are interested in religious studies as an undergraduate major follow the "General" track. All religious studies majors must show basic practical communicative proficiency in one foreign language.

A minor in religious studies consists of eighteen semester hours.

Faculty

Sandra Yocum, Chairperson
Professors Emeriti: Anderson, Buby, Burns, Friedland, Hater, L'Heureux, Thimmes
Professors: Barnes, Branick, Doyle, Inglis (Philosophy), Levering, Miller, Portier, Roberts, Zukowski
Associate Professors: Johnson, Kallenberg, Martin, Trollinger (History), Yocum
Assistant Professors: Bennett, Bunta, Johnston, Junior, Kozar, McGrath, Moore, Orji, Smith

Majors/Minors (Collapse All)

Major/Minor Name

Bachelor of Arts with a major in Religious Studies (REL)

	Sem. Hrs.
Religious Studies	33
REL (103 or 198) ¹	3
At least six semester hours (400-level, includes REL 490)	
Tracks	
Ministry	30
REL 315, (323 or 324), 360, 437, 440, 443, 485	21
Select one course in Old Testament; one course in world religions; one course in religion and culture	9
Catholic Schools	30
REL (323 or 324), (327 or 328 or 329), 360, (383 or 487)	12
Select one course in Old Testament; one course in New Testament; two courses in systematic theology; one course in world religions; one course in religion and culture	18



Search Academic Information General Information

Explore by Department / Program:

Prelaw
Premedicine / Predentistry
Psychology
Religious Studies

Explore

Explore by Major / Minor:

Psychology (PSY)
Public Relations (PUB)
Quality Assurance (QUA)
Religious Studies (REL)

Explore

Explore by Courses:

Prelaw (PLW)
Premedicine / Predentistry (MED)
Psychology (PSY)
Religious Studies (REL)

Explore

Graduate School Preparation	30
REL 323, 324, 437, (440 or 443)	12
Select one course in Old Testament; one course in New Testament; one course in ethics; one course in world religions; one course in religion and culture; one additional course in systematic theology	18
World Religions	30
REL (323 or 324)	3
Select three courses from:	9
REL 304, 305, 306, 307, 308	
Select one course in Old Testament; one course in New Testament; one course in ethics; one course in systematic theology; one course in religion and culture	15
REL elective	3
General	30
Select one course in Old Testament; one course in New Testament; one course in world religions; one course in church history; one course in systematic theology; one course in ethics; one course in religion and culture	21
Religious Studies electives	9
Liberal Studies Curriculum	
Humanities and Fine Arts	
Philosophy	9
History	6
Literature: English or Foreign Language	3
Creative and Performing Arts	3
Foreign Language and/or Additional Arts and/or Humanities ²	3-9
Social Sciences	12
Mathematics (excludes MTH 102, 204, 205)	3
Natural Sciences	11
Communication Competencies	0-9
Introduction to the University: ASI 150	0-1
General Education courses/academic electives to total at least	124

¹Or equivalent course.

²Basic proficiency in a foreign language may require additional elective hours in language/humanities/arts. Students who demonstrate basic practical communicative proficiency in a foreign language without taking college courses in language must complete an additional three semester hours of elective courses from a foreign language and/or arts and/or humanities.

Minor in Religious Studies (REL)

	Sem. Hrs.
Religious Studies	18
Select eighteen semester hours ¹	18

¹At least three semester hours are to be at the 400-level.

Minor in Religious Studies - Catechesis (CTE)

The Minor in Religious Studies - Catechesis (CTE) offers students an excellent opportunity to prepare to teach religion (catechesis) in Catholic schools, or parish ministry today. The minor is grounded in the official principles of catechesis required by the United States Conference of Catholic Bishops. The minor incorporates the basic courses required by most dioceses across the country for

achieving diocesan certification in content, methodology and praxis experiences. It is open to all students who desire to engage in a religion teaching ministry either on a full-time professional or a volunteer basis following graduation.

	Sem. Hrs.
Religious Studies - Catechesis	19
Forum for Young Catechetical Leaders	4
REL 281, 282, 283, 284	
Select one Liturgy course from:	3
REL 356, 383, 443, 446, 488	
Select the following Catholicism course or equivalent:	3
REL 327	
Select one Scripture course from:	3
REL 310, 311, 315, 318	
Select one Morality or Ethics course from:	3
REL 360, 363, 364	
Select one Ecclesiology or Church History course from:	3
REL 323, 324, 440	

Courses (Collapse All Courses)

Code	Title	Sem. Hrs.
REL 103	INTRODUCTION TO RELIGION	3
	Examination of the nature of religion, comparative aspect of religion, and the function of religion as a source of interpretation of life. The "Catholic Option" takes the majority of its perspectives and examples about religious beliefs and practices from the Roman Catholic tradition. The "Scripture Option" takes the majority of its perspectives and examples about religious beliefs and practices from scriptural traditions.	
REL 198	RELIGIOUS STUDIES SCHOLARS' SEMINAR	3
	Study and seminar discussion of major types of religions in history and some of their practices, values, beliefs, historical development, and theological reflection, including Catholic tradition; review of major theories on the nature, origin, and function of religion in human life. Open by permission only to first-year students in the Berry Scholars Program.	
REL 210	INTRODUCTION TO SCRIPTURE	1
	An introductory overview of Christian scripture that is foundational for Old and New Testament online courses.	
REL 211	INTRODUCTION TO OLD TESTAMENT	1
	Study of contemporary Old Testament studies to learn how to read a biblical text in terms of its literary qualities and cultural influences on interpretations. Prerequisite(s): REL 210.	
REL 212	INTRODUCTION TO NEW TESTAMENT	1
	Introduction to the New Testament with a focus on the text's cultural contexts, literary composition, theological themes, and pastoral applications. Prerequisite(s): REL 211.	
REL 220	MARIANIST STUDIES: FOUNDERS OF THE MARIANIST FAMILY	1
	Historical context and life of Father William Joseph Chaminade and other Marianist founders, especially Adele de Batz de Trenquellion and Marie Therese de Lamourous.	
REL 221	MARIANIST STUDIES: COMMUNITY	1
	Exploration of the key theological principles for understanding the meaning and formation of community within the Marianist spirit.	
REL 222	MARIANIST STUDIES: SPIRITUALITY	1
	Examination of the cultivation of a life of prayer informed by Marianist spiritual traditions, particularly the role of Mary and the commitment to permanent Marianist mission.	

REL 223	MARIANIST STUDIES-PRAYER	1
An exploration of Father William Joseph Chaminade's methods and practices of prayer with insights for individual and group prayer.		
REL 224	MARIANIST STUDIES-SOCIAL JUSTICE	1
An exploration for integrating the insights of Father William Joseph Chaminade with the realities of modern life in envisioning a Marianist approach to social change for the 21st century.		
REL 225	MARIANIST STUDIES-LEADERSHIP	1
Exploration of how to integrate excellent leadership skills with goals and principles of the Marianist mission. Designed for those invited to hold leadership roles in the Marianist family.		
REL 260A	CATHOLIC SOCIAL TEACHING I	1
The first of two courses that provide background on Catholic social teaching as articulated in the Catechism of the Catholic Church and Episcopal documents.		
REL 260B	CATHOLIC SOCIAL TEACHING II	1
The second of two courses that provide background on Catholic social teaching as articulated in the Catechism of the Catholic Church and Episcopal documents.		
Prerequisite(s): REL 260A.		
REL 262	SCRIPTURE AND JUSTICE	1
Exploration of Old and New Testament foundations for Catholic social teaching and social action.		
REL 263	HISTORY OF CATHOLIC SOCIAL ACTION	1
An introduction to official Catholic Church documents on social teaching and how Catholic activism around the world has influenced these teachings.		
Prerequisite(s): REL 262.		
REL 264	U.S. AND WORLD POVERTY	1
Analysis of conditions, causes, and trends of poverty in the U.S. and abroad and responses through the theological lens of Catholic social teaching.		
Prerequisite(s): REL 260B, 263.		
REL 265	PARISH AND SOCIAL ACTION	1
Exploration of the roots of the parish's social mission in Scripture and Catholic social teachings.		
Prerequisite(s): REL 260B, 263.		
REL 281	FORUM FOR CATECHETICAL LEADERS I	1
Study of key themes of The National Directory for Catechesis regarding "The Tasks of Catechesis and Faith Formation". Themes include (a) Introduction to the Catechetical Ministry of the Church, (b) The Vocation of the Catechist, (c) Faith Formation, and (d) Fundamentals for Designing Catechetical Plans.		
Prerequisite(s): ASI 111 or REL 103.		
REL 282	FORUM FOR CATECHETICAL LEADERS II	1
Study of key themes of The National Directory for Catechesis regarding "The Art of Communicating Faith: Scripture and Tradition". Themes include (a) Effective Catechesis, (b) Four Pillars of Our Catholic Faith, (c) Integrating Scripture in Catechetical Ministry, and (d) Integrating Liturgy and Liturgical Experiences in Catechetical Ministry.		
Prerequisite(s): ASI 111 or REL 103.		
REL 283	FORUM FOR CATECHETICAL LEADERS III	1
Study of key themes of The National Directory for Catechesis regarding: "Liturgy, Popular Devotions, Literature and the Religious Imagination". Themes include (a) Storytelling, (b) Popular Devotions and Faith Experiences, (c) Role of Mary in Catechesis, and (d) Diverse Religious Traditions and the Quest for God.		

Prerequisite(s): ASI 111 or REL 103.

REL 284 FORUM FOR CATECHETICAL LEADERS IV 1

Study of key themes of The National Directory for Catechesis regarding: "Discipleship (Catholic Moral Life), Catholic Social Teachings and Catechetical Planning". Themes include (a) Developing a Pastoral Catechetical Plan, (b) Call and Challenge of Discipleship, (c) Catholic Social Teachings, and (d) Communications Technology and Catechesis.

Prerequisite(s): ASI 111 or REL 103.

REL 304 HINDUISM 3

Study of the world's oldest living religion. Examines the historical development of major Hindu teachings, texts, practices and paths from ancient times to present, including forms of Hinduism taking root in the West today.

Prerequisite(s): (ASI 111, 112 or equivalent) or (REL 103 or 198).

REL 305 EASTERN ORTHODOXY 3

Exploration of the history and theology of the Eastern Orthodox Church, from the Apostles to Byzantium to Russia and the United States.

Prerequisite(s): (ASI 111, 112 or equivalent) or (REL 103 or 198).

REL 306 BUDDHISM 3

Exploration of the 2,500-year-old Buddhist tradition - the life of its founder, development of its teachings, rituals, and meditation techniques. Survey of the spread of Buddhism to the West in the twentieth century. Parallels and contrasts with the Christian tradition.

Prerequisite(s): (ASI 111, 112 or equivalent) or (REL 103 or 198).

REL 307 JUDAISM 3

Basic introduction to Judaism: its history, its faith, its worship.

Prerequisite(s): (ASI 111, 112 or equivalent) or (REL 103 or 198).

REL 308 ISLAM 3

Exploration of the Islamic religious traditions: the life of Islam's founder, the development of its teaching and ritual, its spread from North Africa into Europe, Asia, Oceania, its influence on culture and its contemporary resurgence.

Prerequisite(s): (ASI 111, 112 or equivalent) or (REL 103 or 198).

REL 309 AFRO-LATIN RELIGIONS 3

The study of Voudou, Santeria and other religions which arose when the religious traditions of West Africa were transplanted to the Americas and the Caribbean where practitioners encountered Christianity. These religions' historical and contemporary forms as well as issues of syncretism and church-state relations are considered.

Prerequisite(s): ASI 111 or (REL 103 or 198).

REL 310 THE PENTATEUCH 3

Examination of the first five books of the Hebrew Bible, known as the Torah or Pentateuch, emphasizing the traditions that relate primeval beginnings, ancestral history, the exodus, wilderness wanderings, and the legal codes.

Prerequisite(s): (ASI 111, 112 or equivalent) or (REL 103 or 198).

REL 311 THE PROPHETS 3

The prophetic texts of the Old Testament studied as reformulations of ancient religious traditions to meet new historical situations. The relevance of the prophets to contemporary life and throughout.

Prerequisite(s): (ASI 111, 112 or equivalent) or (REL 103 or 198).

REL 312 THE PSALMS AND THE WISDOM LITERATURE 3

Critical examination of the biblical books of Psalms, Proverbs, Job, Ecclesiastes, and Ben Sira and of related literature within the historical context in which they arose. The contemporary relevance of this literature.

Prerequisite(s): (ASI 111, 112 or equivalent) or (REL 103 or 198).

REL 315 THE GOSPELS 3

With the Gospel of Mark as a point of departure, comparison of the Markan, Matthean, and Lukan narratives for an understanding of the various conceptions of Jesus found in these Gospels. The course includes historical-critical study of the Gospel to John, its text, literary techniques, structure and theology.

Prerequisite(s): (ASI 111, 112 or equivalent) or (REL 103 or 198).

REL 316 NEW TESTAMENT THEOLOGIES 3

A survey of New Testament writings with a focus on the religious ideas specific to each; special attention to authors' christology, eschatology, and soteriology; exploration of relevance of the New Testament message to Christian faith today.

Prerequisite(s): (ASI 111, 112 or equivalent) or (REL 103 or 198).

REL 318 STUDIES IN PAUL 3

Detailed examination of the letters of Paul, stressing the historical circumstances affecting their composition as well as the main religious ideas of Paul that govern their content.

Prerequisite(s): (ASI 111, 112 or equivalent) or (REL 103 or 198).

REL 319 THE BOOK OF REVELATION 3

Detailed critical analysis of various biblical apocalyptic texts as found in Judaism and early Christianity. Focus on the Book of Revelation against the background of other biblical and intertestamental apocalyptic texts.

Prerequisite(s): (ASI 111, 112 or equivalent) or (REL 103 or 198).

REL 323 HISTORY OF CHRISTIANITY I (100-1100) 3

Study of important events movements, ideas, and people in the development of Christianity to the year 1100 including the formation of the Canon, early Church councils, Augustine, Gregory the Great, monasticism, the rise of Islam, Eucharistic and other controversies, and the Gregorian Reform.

Prerequisite(s): (ASI 111, 112 or equivalent) or (REL 103 or 198).

REL 324 HISTORY OF CHRISTIANITY II (1100-PRESENT) 3

Study of important events, movements, ideas, and people in the development of Christianity from 1100 to the present, including the separation of the Churches of the East and West, rise of the mendicant orders, Scholasticism, key themes and figures of the Reformation, Vatican I, Modernist crisis, ecumenism, and Vatican II.

Prerequisite(s): (ASI 111, 112 or equivalent) or (REL 103 or 198).

REL 326 PROTESTANT CHRISTIANITY 3

Survey of the development of Protestant thought from the Reformation.

Prerequisite(s): (ASI 111, 112 or equivalent) or (REL 103 or 198).

REL 327 U.S. RELIGIOUS EXPERIENCE 3

A study of a variety of religious traditions in their engagement with and influence within the U.S. social and cultural context including the effects of pluralism, religious liberty, secularization, and consumer capitalism.

Prerequisite(s): (ASI 111, 112 or equivalent) or (REL 103 or 198).

REL 328 U.S. CATHOLIC EXPERIENCE 3

The growth and development of Catholic christianity in the U.S.; its interaction with America, its culture, and its people.

Prerequisite(s): (ASI 111, 112 or equivalent) or (REL 103 or 198).

REL 329 AFRICAN-AMERICAN RELIGION 3

An exploration of the history and theology of African-American religious traditions and how African-American religion has influenced African-American social, political, economic, and cultural movements from the time of slavery to the present.

Prerequisite(s): (ASI 111, 112 or equivalent) or (REL 103 or 198).

REL 344 CHRISTIAN MARRIAGE 3

Analysis of the sanctifying dignity of Christian marriage as a sacrament and commitment to share in the divine creative plan.

Prerequisite(s): (ASI 111, 112 or equivalent) or (REL 103 or 198).

REL 356	THE CHRISTIAN TRADITION OF PRAYER	3
Study of several types and forms of Christian prayer from various periods in Church history. The meaning of the act of faith expressed in prayer and its relationship to belief.		
Prerequisite(s): (ASI 111, 112 or equivalent) or (REL 103 or 198).		
REL 358	LIBERATION THEOLOGY	3
A historical-critical analysis and study of the theology of liberation and its specific expression among theologians of the Third World, particularly Latin America.		
Prerequisite(s): (ASI 111, 112 or equivalent) or (REL 103 or 198).		
REL 360	CHRISTIAN ETHICS	3
Introduction to the reflection upon Christian morality; discussion of various approaches in Christian ethics, the elements of ethical judgments, and some specific ethical issues.		
Prerequisite(s): (ASI 111, 112 or equivalent) or (REL 103 or 198).		
REL 362	CHRISTIAN FAMILY VALUES AND TELEVISION	3
Comparative study of the criteria and rationale for family life in various Christian pronouncements with present values and practices in society as reflected in and promoted by current television programming.		
Prerequisite(s): (ASI 111, 112 or equivalent) or (REL 103 or 198).		
REL 363	FAITH AND JUSTICE	3
This course explores the history, development, and basic principles of Catholic social teaching as well as other approaches to faith and justice. Issues of economic justice will receive special emphasis. In addition to church documents, the life and work of religious thinkers and activists will be examined.		
Prerequisite(s): (ASI 111, 112 or equivalent) or (REL 103 or 198).		
REL 364	CURRENT MORAL ISSUES	3
An examination of one or more issues (individual and/or social) in contemporary reflection on Christian moral life. May be repeated when topic changes.		
Prerequisite(s): (ASI 111, 112 or equivalent) or (REL 103 or 198).		
REL 365	CHRISTIAN ETHICS AND THE ENVIRONMENT	3
A Christian ethic of relationality and responsibility. Explores various approaches and related values found in society; elements of ethical judgments; and specific ethical issues resulting from ecofeminist, technological, and ecological awareness.		
Prerequisite(s): (ASI 111, 112 or equivalent) or (REL 103 or 198).		
REL 366	THE HOLOCAUST: THEOLOGICAL AND RELIGIOUS RESPONSES	3
Examination of the religious and theological literature of the Holocaust, focusing especially on Jewish and Christian responses.		
Prerequisite(s): (ASI 111, 112 or equivalent) or (REL 103 or 198).		
REL 367	CHRISTIAN ETHICS AND HEALTH CARE ISSUES	3
Study of, and reflection upon, the principles of Christian ethics as these relate to the health care professions.		
Prerequisite(s): (ASI 111, 112 or equivalent) or (REL 103 or 198).		
REL 368	CHRISTIAN ETHICS AND THE BUSINESS WORLD	3
Study of, and reflection upon, the principles of Christian ethics as these relate to the business world.		
Prerequisite(s): (ASI 111, 112 or equivalent) or (REL 103 or 198).		
REL 369	CHRISTIAN ETHICS AND ENGINEERING	3
Study in applied Christian ethics addressing the moral issues facing engineers. How to make a moral decision, engineering as a profession, codes of ethics, safety, environmental issues, confidentiality, employee rights, whistleblowing, consulting, conflicts, and career choices.		
Prerequisite(s): (ASI 111, 112 or equivalent) or (REL 103 or 198).		

- REL 372 RELIGION AND FILM 3
Study of issues common to narrative films and religious thought; the power of various film techniques, dominant models in religious and film reflection, the similar roles imagination plays in film and religious thought.
Prerequisite(s): (ASI 111, 112 or equivalent) or (REL 103 or 198).
- REL 373 RELIGION AND LITERATURE 3
Joint study of literature and religion, seeking the sacred in the secular, discussing the doctrines of humans and of God in major modern writings, especially those of current collegiate interest.
Prerequisite(s): (ASI 111, 112 or equivalent) or (REL 103 or 198).
- REL 374 RELIGION AND THE ARTS 3
Investigation of the religious interpretation of various art forms and the process by which the aesthetic experience assists in theological perception and construction.
Prerequisite(s): (ASI 111, 112 or equivalent) or (REL 103 or 198).
- REL 375 RELIGION AND SCIENCE 3
Surveys of the ways science has affected religion on specific doctrines, methods of knowing what is true, and general world views; study of religious response to these.
Prerequisite(s): (ASI 111, 112 or equivalent) or (REL 103 or 198).
- REL 376 THEOLOGY AND THE SOCIAL SCIENCES 3
Exploration of developments in Christian theology that have paralleled the rise of the human sciences, in particular of concepts of God, humanity, Church, sacraments, sin, and salvation in the light of history, anthropology, psychology, and sociology.
Prerequisite(s): (ASI 111, 112 or equivalent) or (REL 103 or 198).
- REL 377 THE INNER JOURNEY IN MYTH, BIBLE, AND LITERATURE 3
Study of stories of heroic figures in the Bible and in other literature as patterns of personal and spiritual development. Throughout, efforts to relate the material to the needs of contemporary persons.
Prerequisite(s): (ASI 111, 112 or equivalent) or (REL 103 or 198).
- REL 383 PHILOSOPHY OF RELIGIOUS EDUCATION 3
An attempt to construct a philosophy of religious education, various contemporary theoretical models, dimensions of teaching religion in a pluralistic society, the polarization generated.
Prerequisite(s): (ASI 111, 112 or equivalent) or (REL 103 or 198).
- REL 399 READINGS IN RELIGIOUS STUDIES 1 - 3
Directed readings in a specific area of interest under the supervision of a staff member. May be taken more than once. By permission only.
Prerequisite(s): (ASI 111, 112 or equivalent) or (REL 103 or 198).
- REL 425 AUGUSTINE 3
The life and work of Augustine of Hippo (354-430), a major theologian of Western Christianity. His influence is strongly felt in both Protestant and Catholic traditions in areas of sexual ethics, church-state relations, Trinitarian and sacramental theology.
Prerequisite(s): REL 103.
- REL 429 MODERN CATHOLICISM 3
An examination of Modern Catholicism based on a close study of the context, process, decisions, implementation, and challenges of Vatican II in the Roman Catholic Church.
Prerequisite(s): (ASI 111, 112 or equivalent) or (REL 103 or 198).
- REL 437 SIGNIFICANCE OF JESUS 3
Emphasis on the identity of Jesus and on the significance that his ministry, death, and resurrection have for the salvation of humankind.
Prerequisite(s): (ASI 111, 112 or equivalent) or (REL 103 or 198).

REL 440	THE CHURCH	3
A biblical and theological study of the meaning of the Church which explores the relationship between Christ and the Church, the various models for understanding the Church, and the mission of the Church. Prerequisite(s): (ASI 111, 112 or equivalent) or (REL 103 or 198).		
REL 441	THEOLOGY OF MARY	3
Study of the place of the Mother of God in the great truths of faith in the light of chapter eight of the Constitution on the Church. Prerequisite(s): (ASI 111, 112 or equivalent) or (REL 103 or 198).		
REL 442	GOD AND ATHEISM	3
Study of some recent contributions made by theology, philosophy, psychology, and the humanities to the current discussion of God's existence, nature, and relationship to humanity. Prerequisite(s): (ASI 111, 112 or equivalent) or (REL 103 or 198).		
REL 443	THE SACRAMENTS	3
A study of the meaning of sacramentality. The sacraments in the context of Christ as the sacrament of the human encounter with God and in the context of the Church as the sacrament of Christ. Prerequisite(s): (ASI 111, 112 or equivalent) or (REL 103 or 198).		
REL 444	GOD IN CHRISTIAN TRADITION	3
A review of theologies of God in Christian tradition, from biblical through contemporary sources, especially as these theologies have affected overall Catholic thought and spirituality. Prerequisite(s): (ASI 111, 112 or equivalent) or (REL 103 or 198); PHL 103.		
REL 446	CHRISTIAN LITURGY	3
Study of the basic principles of liturgy, the development of some of the basic forms of liturgy, and applications of the principles within current rites. Prerequisite(s): (ASI 111, 112 or equivalent) or (REL 103 or 198).		
REL 447	SELECTED CATHOLIC DOCTRINES	3
Detailed study of several important current theological questions primarily from a Catholic systematic and historical perspective. Prerequisite(s): (ASI 111, 112 or equivalent) or (REL 103 or 198).		
REL 449	AQUINAS	3
Theology of Aquinas including: Trinity, human nature, providence, grace, virtue, Christ, and sacraments. Some attention given to historical context and contemporary interpretation, but the main focus will be reading and understanding the <i>Summa</i> . Prerequisite(s): REL 103.		
REL 471	WOMEN AND RELIGION	3
Examination of the impact of the women's movement on Judaism, Christianity, and other major world religions. Survey of traditional religious attitudes toward women. Relevance of feminist approaches to scripture, ethics, spirituality, and ministry in understanding contemporary global issues. Prerequisite(s): (ASI 111, 112 or equivalent) or (REL 103 or 198).		
REL 472	ECOLOGY AND RELIGION	3
Examination of the relationship between religion and ecology; bridges the contributions of traditional theological inquiry and modern scientific insights and offers an enlarged vision of ecological concerns. Prerequisite(s): (ASI 111, 112 or equivalent) or (REL 103 or 198).		
REL 474	WOMEN AND THE GLOBAL CHURCH	3
An exploration of the intersection between faith communities, traditional and non-traditional, and particular cultures in the lives of contemporary women. Prerequisite(s): (ASI 111, 112 or equivalent) or (REL 103 or 198).		
REL 477	HONORS THESIS PROJECT	3

First of two courses leading to the selection, design, investigation, and completion of an independent, original Honors Thesis project under the guidance of a faculty research advisor. Restricted to students in the University Honors Program with permission of the program director and department chairperson. Students pursuing an interdisciplinary thesis topic may register for three semester hours each in two separate disciplines in consultation with the department chairpersons.

Prerequisite(s): Approval of University Honors Program.

REL 478 HONORS THESIS PROJECT 3

Second of two courses leading to the selection, design, investigation, and completion of an independent, original Honors Thesis project under the guidance of a faculty research advisor. Restricted to students in the University Honors Program with permission of the program director and department chairperson. Students pursuing an interdisciplinary thesis topic may register for three semester hours each in two separate disciplines in consultation with the department chairpersons.

Prerequisite(s): Approved 477; approval of University Honors Program.

REL 484 PRACTICUM 3

Supervised in-service experience in an area of religious education chosen by the student. By permission only.

Prerequisite(s): (ASI 111, 112 or equivalent) or (REL 103 or 198).

REL 485 LAY MINISTRY 3

A critical examination of lay ministry and its theological basis, in light of Vatican II and recent trends in the world and Church. Special topics: family ministry, ministry in the marketplace, leadership, evangelization, catechesis, women, social justice.

Prerequisite(s): (ASI 111, 112 or equivalent) or (REL 103 or 198).

REL 487 RELIGIOUS EDUCATION - THEORY AND PRACTICE 3

Study of theory and practice of religious education for those who will be teaching religion in the school and parish. Various models and methods. Emphasis on process and religious education as developmental.

Prerequisite(s): (ASI 111, 112 or equivalent) or (REL 103 or 198).

REL 488 SPIRITUALITY AND RELIGIOUS EDUCATION 3

Exploration of impact of liturgy and spirituality on contemporary models of religious education; study of interrelationship between faith experience and religious content; basic principles for developing practical programs.

Prerequisite(s): (ASI 111, 112 or equivalent) or (REL 103 or 198).

REL 490 CAPSTONE SEMINAR 3

Study of a particular topic in religion or theology that draws upon a variety of resources in the fields. This course provides an integrative academic experience. Topic varies from semester to semester. Required of all majors, open to minors. May be repeated.

Prerequisite(s): (ASI 111, 112 or equivalent) or (REL 103 or 198); junior or senior standing.

REL 492 SPECIAL TOPICS 1 - 3

Concentrated study of issues and subjects pertinent to religion. May be repeated when topic changes.

Prerequisite(s): (ASI 111, 112 or equivalent) or (REL 103 or 198).

