

# English

	For Major	For Minor	For Teaching Certification Option
Hours Required in English:	40	24	40
Hours Required in Other Departments:	0	0	42.5
<b>Total Hours Required:</b>	<b>40</b>	<b>24</b>	<b>82.5</b>

## Major

## Minor

### Concentrations in:

- literature
- creative writing
- professional writing

### Teaching Certification Option

#### Professors:

Dolly, Hurd, Lutz, McShane,  
A. F. Parks, Pula, Snelson

#### Associate Professors:

Barkley, R. Brewer, R.  
Smith, T. Smith

#### Assistant Professors:

Branam, Duncan, Ewers  
(Chair), Idris, Kehrwald,  
LaFemina

#### Lecturer:

Chapman

- If you wish to obtain secondary school teaching certification, you must complete the Teaching Certification Option.
- An internship is required for the Teaching Certification Option, but in other English concentrations, an internship is optional.
- The department also coordinates minors in film studies, journalism and public relations and participates in the environmental humanities minor (see separate sections of this catalog).
- ENGL 101, 111, 150, 221, 250, 308, 309, 310, and 312 do not count toward major or minor.

## Summary of Requirements for Major/Minor in English

Major	Minor
<p><b>1. Core Curriculum</b> (15 hours) ENGL 260 British Literature: Beowulf to Present* ENGL 261 American Literature: Colonial to Present* ENGL 270 European and Neo-European Literature* or ENGL 271 Asian and African Literature* ENGL 300 Critical Writing about Literature* ENGL 306 Introduction to English Linguistics* ** or ENGL 416 History of the English Language* **</p> <p>* Must have a C or better to count toward major. **Students in the Teaching Certification track must take ENGL 416 to fulfill their Major Core Curriculum.</p>	<p><b>1. Core Curriculum</b> (15 hours-Same as major)</p>
<p><b>2. Concentrations</b> (25 hours) Majors must choose one of the following concentrations: ● Literature ● Creative Writing ● Professional Writing or ● Teaching Certification Option (Requirements for each are specified below.)</p>	<p><b>2. Minor Core Requirement</b> (3 hours) ENGL 340 Shakespeare</p>
	<p><b>3. Electives</b> (6 hours) Criteria for electives: Students must take 6 hrs. of literature at the 300/400 level.</p>

## Requirements for Literature Concentration

- 1. Major Core Curriculum:**  
(15 hours - listed above)
- 2. Concentration Core Requirements:**  
(7 hours)  
ENGL 340 Shakespeare  
ENGL 471 Seminar in Critical Theory  
ENGL 489 English Capstone
- 3. Period Courses:**  
(9 hours)  
Take one of the following:  
ENGL 371 Literature of the Middle Ages  
ENGL 372 Early Modern Literature  
ENGL 373 Literature of the Enlightenment  
  
Take one of the following:  
ENGL 374 Literature of the Age of Revolution  
ENGL 375 Romanticism  
ENGL 376 Realism and Naturalism  
  
Take one of the following:  
ENGL 377 Modernism  
ENGL 378 Postmodernism  
ENGL 379 Postcolonial Literature

**4. Specialization Course:***(3 hours)**Take one of the following:*

ENGL 431 World Drama I

ENGL 432 World Drama II

ENGL 440 Literature of the Environment

ENGL 450 Women and Literature

ENGL 490 Selected Topics in English

**5. Electives:***(6 hours)**Students may count a maximum of 6 hours of writing courses beyond ENGL 300 Critical Writing About Literature. Students may count one 200-level course.***Requirements for Creative Writing Concentration****1. Major Core Curriculum:***(15 hours - listed above)***2. Concentration Requirements:***(22 hours)*

ENGL 334 Creative Writing: Fiction

ENGL 335 Creative Writing: Poetry

ENGL 377 Modernism

*or* ENGL 378 Post Modernism

ENGL 460 Form and Theory of Fiction and Poetry

ENGL 470 Senior Workshop

ENGL 489 English Capstone

*Six hours from the following:*

ENGL 360 Creative Nonfiction

ENGL 434 Advanced Fiction Writing

ENGL 435 Advanced Poetry Writing

**3. Elective:***(3 hours)**English course (300/400 level)***Requirements for Professional Writing Concentration****1. Major Core Curriculum***(15 hours - listed above)***2. Concentration Requirements:***(19 hours)*

ENGL 330 Business Writing

*or* ENGL 338 Technical Writing

ENGL 336 Journalistic Writing

ENGL 360 Creative Nonfiction

ENGL 402 Editing and Production

ENGL 430 The Composing Processes

ENGL 436 Advanced News and Feature Writing

ENGL 489 English Capstone

**3. Electives:***(6 hours)**Literature courses (300-400 level)***Requirements for Teaching Certification Option****1. Major Core Curriculum:***(15 hours - listed above)***2. Teaching Certification Core Requirements:***(16 hours)*

ENGL 276 Adolescent Literature

ENGL 306 Introduction to English Linguistics

ENGL 330 Business Writing

*or* ENGL 334 Creative Writing: Fiction*or* ENGL 335 Creative Writing: Poetry*or* ENGL 336 Journalistic Writing

ENGL 340 Shakespeare

ENGL 430 The Composing Processes

ENGL 489 English Capstone

**3. Electives***(9 hours)**Literature courses.***Summary of Requirements for Teaching Certification Option in English**

If you wish to complete a Maryland State approved program in teaching English, you must:

- Complete the BA/BS in English (Teaching Certification Option)
- Meet the phase admissions requirements summarized in the Educational Professions section.
- Complete the professional education sequence described in Education: Secondary Programs.

## Professional Writing

### Certificate

#### Coordinator:

Charles Ewers, Assistant Professor and Chair, Department of English

- To be eligible for a certificate, students must achieve at least a C in each writing course applied to certification.
- Students majoring in English with a concentration in professional writing are not eligible for the certificate.
- You cannot major in Professional Writing

## Environmental Analysis & Planning

### Major

#### Participating Faculty:

##### Professors:

Caupp, Precht (Geography), Raesley, Yoder (Biology)

##### Associate Professor:

Kessler (Geography), Pegg (Biology)

##### Assistant Professors:

David Arnold, M. Ramspott, D. Welsch (Geography)

- This multidisciplinary program is jointly administered by the Departments of Biology and Geography.
- You may not minor in Environmental Analysis and Planning.
- The program is supported by the Maryland Department of the Environment.

For Certificate

Hours Required in English:	12
Hours Required in Other Departments:	0
<b>Total Hours Required:</b>	<b>12</b>

The certificate in professional writing is open to degree-seeking students in any major and non-degree seeking members of the community who would like to strengthen writing skills.

Non-degree-seeking students must provide evidence of successful completion of no fewer than 42 college-level credits, including a freshman English course, passed with a grade of C or better.

### Summary of Requirements for Certificate in Professional Writing

Select 12 hours from the following courses:

ENGL 330 Business Writing  
 ENGL 336 Journalistic Writing  
 ENGL 338 Technical Writing  
 ENGL 339 Scientific Writing  
 ENGL 402 Editing and Production  
 ENGL 436 Advanced News and Feature Writing  
 ENGL 430 The Composing Processes

For Major

Hours Required in Geography:	46-47
Hours Required in Biology:	21-23
Hours Required in Other Departments:	17-18
<b>Total Hours Required:</b>	<b>84-88</b>

### Summary of Requirements for Major in Environmental Analysis and Planning

Major

#### 1. Courses in Biology:

(21-23 hours)

BIOL 149 General Biology I (GEP Group C)  
 BIOL 150 General Biology II  
 BIOL 314 Plant Taxonomy  
 BIOL 340 General Ecology

Take 2 of 4 courses:\*

BIOL 303 Plant Physiology  
 BIOL 304 Microbiology  
 BIOL 421 Sample Design and Analysis of Plant Communities  
 BIOL 430 Limnology

\* GEOG 445, *Biogeography*, may be substituted for one of the BIOL electives.

#### 2. Courses in Geography:

(46-47 hours)

GEOG 103 Physical Geography (GEP Group C)  
 or GEOG 113 Honors Physical Geography  
 GEOG 207 Physical Geology  
 GEOG 275 Fundamentals of Geographic Data Handling (Tech. Fluency)  
 GEOG 310 Fundamentals of Cartography  
 GEOG 317 Principles of Geographic Information Science  
 GEOG 340 Soil: Genesis, Nature and Characterization  
 GEOG 413 Remote Sensing -Aerial Photo Interpretation

- Internship is optional.
- You are advised to complete the 100- and 200-level courses within your first 60 hours of course work, and before enrolling in 400-level courses in Geography and Biology.

GEOG 430 Surface Water Hydrology  
 GEOG 470 Soil & Water Engineering  
 GEOG 472 Environmental Planning (Capstone)  
 GEOG 473 Environmental Law

*Take four of six courses:*

GEOG 208 Historical Geology  
 GEOG 317 Geographic Information Systems  
 GEOG 432 Groundwater Hydrology  
 GEOG 433 Surveying and Field Techniques  
 GEOG 441 Soil Analysis  
 GEOG 471 Engineering for Land Development

### 3. Required Courses in Other Departments:

*(17-18 hours)*

CHEM 101 General Chemistry I (*GEP Group C*)  
 CHEM 102 General Chemistry II  
 ENGL 338 Technical Writing (*Core Skill 2*)  
 MATH 209 Elements of Applied Probability and Statistics (*Core Skill 3*)  
 MATH 220 Calculus for Applications  
 or MATH 236 Calculus I (*Core Skill 3*)

For Minor

**Total Hours Required:**

**18-19**

## Environmental Humanities

### Minor

#### Coordinator:

Charles Ewers, Assistant Professor, Department of English

#### Participating Faculty:

##### Professors:

Caupp (Geography), Davis (Visual Arts), Hurd (English), Larivee (Chemistry), Precht (Geography), Raesley (Biology)

##### Associate Professors:

Pegg, Kroeger-Mappes (Philosophy)

##### Assistant Professor:

Ewers (English)

- This minor is open to and appropriate for students majoring in any field who wish to contribute a humanistic understanding to contemporary preoccupations with environmental issues.

The Environmental Humanities Minor offers a multi-cultural and multidisciplinary approach designed to help students experience and understand cultural inter-relationships with the natural environment. Students learn to integrate an appreciation of the global development of environmental ideas and values with direct experience and participation in visual and verbal landscapes. Students focus on the natural region of the Potomac Watershed and/or selected Third World countries.

### Summary of Requirements for Minor in Environmental Humanities

Minor

#### 1. Required Core Courses:

*(9 credits)*

HIST 309 World Environmental History  
 ENGL 440 Literature of the Environment  
 PHIL 315 Philosophy and the Environment

#### 2. Applications:

*(6-7 credits)*

*Choose either a, b, or c:*

##### a. Arts and Cultures:

*Take 2 of the following courses from 2 different disciplines*

LING 301 Introduction to Language  
 ART 301 Artistic Traditions: Asia (*GEP Group F*)  
 ART 302 Artistic Traditions: Africa and the Americas (*GEP Group F*)  
 ART 380 19th-Century Art History  
 ENGL 375 Romanticism

##### b. Society and Cultures:

*Take 2 of the following courses from 2 different disciplines*

SOCI 224 Cultural Anthropology (*GEP Group F*)  
 ECON 410 Resource and Environmental Economics  
 POSC 450 Environmental Public Policy  
 GEOG 472 Environmental Planning  
 GEOG 473 Environmental Law

- You cannot major in Environmental Humanities.

**c. Science and Cultures:**

*Take 2 of the following courses from 2 different disciplines*

BIOL 109 Human Biology and the Environment (*GEP Group C*)

BIOL 340 General Ecology

GEOG 405 Climatology

GEOG 445 Biogeography

CHEM 100/113 Chemistry and Society (*GEP Group C*)

**3. Required Final Project:**

*(3-9 credits)*

HUMA 495 Project in Environmental Humanities

## Environmental Policy

### Minor

**Coordinator:**

Stephen Hartlaub, Associate Professor, Department of Political Science

**Participating Faculty:**

**Professors:**

Caupp (Geography), Dalton (Economics)

**Associate Professor:**

Hartlaub (Political Science)

- For advising, see Coordinator.
- See the Coordinator for a listing of special topics courses offered for the minor in future semesters.
- A background in the natural sciences is strongly recommended.
- You cannot major in Environmental Policy.

For Minor

Total Hours Required

21-22

### Summary of Requirements for Minor in Environmental Policy

Minor

**1. Required Core Courses**

*(12 hours)*

ECON 410 Resource and Environmental Economics

GEOG 473 Environmental Law

POSC 450 Environmental Public Policy

EPOL 491 Seminar in Environmental Policy

**2. Elective Courses - no more than 6 cr. from any one department**

*(9-10 hours)*

ECON 408 Urban and Regional Economics

GEOG 450 Urban Planning

GEOG 472 Environmental Planning

POSC 351 Public Administration

POSC 352 Interest Groups

One Upper Division course in the Natural Sciences

Special Topics courses ECON 490, GEOG 490, or POSC 491 when approved by the Minor Coordinator.

Independent Studies courses ECON 499, GEOG 499, or POSC 498 (maximum of 3 cr.) when approved by the Minor Coordinator.

# Ethnobotany

For Major

Total Hours Required:

83-86

## Major

### Concentrations in

- pharmacological ethnobotany
- biogeography
- cultural studies

### See related programs:

- biology
  - pre-health option
  - biotechnology
  - environmental science
- cultural anthropology
- environmental analysis & planning
- forestry
- geography
- interpretive biology & natural history
- wildlife & fisheries

### Contact:

Office of the Dean, College of Liberal Arts & Sciences

### Participating Faculty:

#### Professors:

Precht (Geography)

#### Associate Professor:

G. White (Geography)

#### Assistant Professors:

Biser (Chemistry)  
Rogers Thomas (Sociology)

#### Affiliated Faculty:

James Howell (Allegany College of Maryland)

- Ethnobotany is an interdisciplinary major.
- Depending on your choice of concentration, the degree will prepare you for future scientific training in professional and graduate schools or for work in governmental and non-governmental organizations focused on resource management, conservation, and related areas where human communities and natural environments intersect.
- You will participate in

## Summary of Requirements for Major in Ethnobotany

Major

### 1. Scientific Foundations

(18 hours)

BIOL 149 General Biology I (GEP Group C)

BIOL 150 General Biology II

CHEM 101 General Chemistry I (GEP Group C)

CHEM 102 General Chemistry II

MATH 209/219 Elements of Applied Probability and Statistics (Core Skill 3)

And choose one of the following:

MATH 102 College Algebra (Core Skill 3)

or MATH 120 Pre-Calculus (Core Skill 3)

or any math course above 210

### 2. Botany

(25 hours)

BIOL 128 Introduction to Ethnobotany

BIOL 311 Morphology of Fungi and Non-Vascular Plants

BIOL 303 Plant Physiology

BIOL 314 Plant Taxonomy

BIOL 328 Economic Botany of Appalachia

BIOL 340 General Ecology

BIOL 428 Ethnographic Field Techniques (Capstone)

### 3. Cultural Perspectives

(9 hours)

GEOG 104 Human Geography (GEP Group D or F)

or GEOG 110 World Regional Geography (GEP Group F)

SOC 224 Cultural Anthropology (GEP Group F)

SOC 350 Folklore in Appalachia

### 4. Biogeography

(3 hours)

GEOG 445 Biogeography

### 5. Electives

(3-4 hours)

BIOL 150 Medicinal Botany (offered at Allegany College of Maryland)

BIOL 312 Morphology of Vascular Plants

BIOL 407 Biological Systematics

BIOL 421 Sample Design and Analysis of Plant Communities

BIOL 425 Forest Science

BIOL 484 Field Experiences in Ethnobotany and Ecology

BIOL 494 Field Experiences in Biological Sciences

### 6. Concentration:

(25-27 hours)

Complete one of the following concentrations:

#### Pharmacological Ethnobotany

(25 hours)

CHEM 301 Organic Chemistry I

CHEM 302 Organic Chemistry II

CHEM 420 Environmental Chemical Analysis

CHEM 425 Pharmacological Ethnobotany

PHYS 215 General Physics I

PHYS 216 General Physics II

research and service designed to preserve the rich cultural and ecological diversity of Appalachia and to contribute to regional economic development.

- You are encouraged to take foreign language courses as electives. The 250-level course counts towards GEP Group B.

### **Biogeography**

*(26 hours)*

GEOG 103 Physical Geography  
 GEOG 275 Fundamentals of Geographic Data Handling  
 GEOG 317 Principles of Geographic Information Science  
 GEOG 340 Soil: Genesis, Nature & Characterization  
 GEOG 405 Climatology  
 GEOG 406 Management & Conservation of Natural Resources  
 GEOG 413 Remote Sensing-Air Photo Interpretation  
 GEOG 430 Surface Water Hydrology

### **Cultural Perspectives**

*(27 hours)*

*Choose any 9 from at least 3 different disciplines*

SOCI 100 Introduction to Sociology (*GEP Group D*)  
 SOCI 362 Sociology of Religion  
 SOCI 367 Sociology & Medicine  
 SOCI 466 Women, Health & Society  
 ENGL 280 Mythology & Literature  
   *or* ENGL 440 Literature of the Environment  
 HIST 309 World Environmental History  
 HIST 318 Native Peoples of the Americas (*GEP Group F*)  
 PHIL 313 Biomedical Ethics  
 PHIL 315 Philosophy & the Environment  
 GEOG 300 Economic Geography  
   *or* GEOG 454 Geography of Tourism  
 GEOG 427 Geography of Languages & Religions (*GEP Group F*)  
 GEOG 403 Geography of Sub-Sahara Africa  
 GEOG 320 Geography of Latin America

# Film Studies

## Minor

### Coordinator:

Dr. Kevin Kehrwald,  
Assistant Professor,  
Department of English

### Participating Faculty:

#### Professor:

L. Pack (Mass  
Communication)

#### Associate Professors:

J. Lombardi (Mass  
Communication), R. Smith  
(English)

#### Assistant Professor:

Kehrwald (English)

- The minor is open to students majoring in any field.
- You cannot major in film studies.

For Minor

Total Hours Required

18

The goal of the film minor is to help you develop visual literacy. You will acquire the essential skills of critical thinking by learning to “read texts” in the most pervasive medium of contemporary culture—film. You will

1. Become a more critical viewer of film as a medium by learning to read, analyze, and interpret films
2. Recognize how cinematic techniques, such as camera movement, editing, and cinematography contribute to a film’s impressions
3. Become familiar with film language and terminology
4. Recognize film as a global medium of diverse cultural styles and voices
5. Become acquainted with a variety of aesthetic and cinematic movements
6. Recognize film as a vehicle for forming cultural values
7. Understand how cultural events and technologies have shaped (and continue to shape) film styles, genres, and narrative techniques
8. Understand the historical development of film as an art form.

## Summary of Requirements for Minor in Film Studies

Minor

### 1. Required Core Courses:

(9 hours)

- ENGL 207\* Introduction to Film Studies (Fall)  
ENGL 208\* Film and American Culture (Spring, even-numbered years)  
ENGL 344\* Film Theory (Spring, odd-numbered years)

*\*Must have C or better to count toward minor.*

### 2. Elective Courses:

(9 hours)

- ENGL 281 Literature into Film (Fall, even-numbered years)  
ENGL 282 Shakespeare on Film (Fall, odd-numbered years)  
MCOM 212 Video Production Industry (Every semester)  
MCOM 311 Single Camera Production (Every semester)  
MDFL 407 Latin American and Spanish Film (variable)  
MDFL 417 World Film (alternate years)

*Relevant Special Topics courses (such as HIST 490) will be welcomed as electives as approved by the Coordinator.*

## Fine Arts

For Minor

Hours Required in Art:	24
Hours Required in Other Departments:	0
<b>Total Hours Required:</b>	<b>24</b>

### Minor

#### Professors:

Brown, Davis, Dieruf,  
Llewellyn

#### Associate Professor:

Rhodes (chair)

#### Assistant Professor:

Herzfeld, Hodges

- Minors are also offered in art history and graphic design. A major is offered in Art & Design. See separate listings in this catalog.
- Only courses in which a grade of C or better is earned may count towards satisfaction of major and minor requirements.
- You cannot major in Fine Arts.

### Summary of Requirements for Minor in Fine Arts

Minor

#### 1. Basic Courses:

(6 hours)

ART 104 Two-Dimensional Design  
ART 105 Three-Dimensional Design

#### 2. Art History and Critical Studies:

(6 hours)

ART 415 Art Criticism

and choose 3 hours from:

ART 301 Artistic Traditions: Asia (GEP Group F)

or ART 302 Artistic Traditions: Africa and the Americas (GEP Group F)

ART 360 Western Art History

ART 380 19th Century Art History

ART 408 20th Century Art History

ART 460 Renaissance and Baroque Art History

#### 3. Introductory Studio:

(9 hours)

Choose 6 hours from:

ART 207 Graphic Design (Tech. Fluency)

ART 212 Drawing

ART 221 Painting

ART 232 Printmaking

ART 235 Photography

and choose 3 hours from:

ART 202 Ceramics

ART 209 Crafts Workshop

ART 236 Digital Imaging

ART 240 Sculpture

#### 4. Advanced Studio Art:

choose 3 hours from:

ART 307 Computer Graphics

ART 402 Advanced Ceramics

ART 407 Advanced Graphic Design: Print and Video Media

ART 421 Advanced Painting

ART 432 Advanced Printmaking

ART 435 Advanced Photography

ART 440 Advanced Sculpture

# Foreign Languages & Literature

## Major Concentrations in

- French
- Spanish

## Minor

## Teaching Certification Option

### Associate Professor:

Sanchez (Chair)

### Assistant Professor:

Almquist

### Instructor:

Ramirez

- At least half of the credit hours required in your major language (French or Spanish) must be taken at FSU.
- Foreign language majors who have courses transferred from a foreign institution at the 300 or 400 level must take at least one 300 or 400 level course at FSU after they return and prior to graduation.
- Only courses in which a grade of C or better is earned will count towards satisfaction of major or minor requirements.
- The department also offers course work in intercultural studies, literature in translation, and linguistics.
- Courses in Italian, Chinese, Japanese and Portuguese are offered as MDFL courses on an irregular basis.

	For Major	For Minor	For Teaching Cert. Option
Hours Required in Foreign Languages & Literature:	36-39	18	36-39
Hours Required in Other Departments:	variable	0	variable
<b>Total Hours Required:</b>	<b>36-variable</b>	<b>18</b>	<b>78.5-variable</b>

*Students are strongly encouraged to keep work from all their courses in anticipation of the senior seminar.*

## Summary of Requirements for Major/Minor in Foreign Languages & Literature with a Concentration in French

### Major

### Minor

#### 1. Core Curriculum

(15 hours)

FREN 211 French Grammar, Composition & Conversation I \*  
 FREN 212 French Grammar, Composition & Conversation II  
 FREN 250 Overview of French Language & Culture (GEP Group B)  
 FREN 330 Advanced Conversation  
 FREN 331 Advanced Composition

(9 hours)

FREN 211 French Grammar, Composition & Conversation I \*  
 FREN 212 French Grammar, Composition & Conversation II  
 FREN 250 Overview of French Language & Culture (GEP Group B)

#### 2. Tracks

(21 hours)

*Choose one of the following tracks:*

##### A. Literary Studies

*Students seeking teaching certification in French must follow this track.*

LING 301 Introduction to Language  
 FREN 335 Intro. to Study of French Literature  
 FREN 410 French Poetry and Drama  
 FREN 411 French Fiction, Non-Fiction and Film  
 FREN 493 Senior Seminar in French Literature (Capstone)  
*Six additional 300 or 400-level hours in French*

##### B) French Professional Studies

FREN 332 French for the Professions  
 FREN 430 Individual and Society in Francophone World  
 FREN 431 Translation  
 FREN 496 Senior Seminar in French Professional Studies (Capstone)  
*Nine additional 300 or 400-level hours in French or alternative discipline approved by department. Students must file a course plan articulating which classes will be used to satisfy these nine credits with the chair of the department.*

\* *If you have no (or limited) previous background in French, you will have to begin your language study at the elementary level (FREN 101-102) with accelerated placement possible based on your performance.*

#### 2. Minor electives

(9 hours)

*Any three 300- or 400-level courses in French*

## Summary of Requirements for Major/Minor in Foreign Languages & Literature with a Concentration in Spanish

### Major

### Minor

#### 1. Core Curriculum

(9 hours)

SPAN 211 Spanish Grammar, Composition, & Conversation I \*  
 SPAN 212 Spanish Grammar, Composition, & Conversation II  
 SPAN 250 Overview of Spanish Language & Culture (GEP Group B)

(9 hours)

SPAN 211 Spanish Grammar, Composition & Conversation I \*  
 SPAN 212 Spanish Grammar, Composition & Conversation II  
 SPAN 250 Overview of Spanish Language & Culture (GEP Group B)

**2. Advanced Courses***(27 hours)*

*Nine upper-level Spanish courses,  
four of which must be at the 400 level  
SPAN 489 Capstone in Spanish*

*(9 hours)*

*Any three 300 or 400-level courses in Spanish*

**3. Linguistics***(3 hours)*

LING 301 Introduction to Language

**4. One of the following:**

- a. Completion of a second major
- b. French through FREN 250
- c. Completion of an International Studies Area Certificate
- d. Five MDFL courses in diverse foreign languages (Chinese, Japanese, Italian and/or Portuguese)

*\* If you have no (or limited) previous background in Spanish, you will have to begin your language study at the elementary level (SPAN 101-102) with accelerated placement possible based on your performance.*

**Accelerated Placement**

All students interested in taking a foreign language Course (French and/or Spanish) are required to take an online placement exam. If the results of the placement exam determine that the student is eligible for accelerated placement, and the student completes a course above the 101-level with a grade of C or better, the student may apply to the department for academic credit for the courses waived, as summarized below.

- at the 102 level, you will be eligible to receive 3 additional credits.
- at the 211 level, you will be eligible to receive 6 additional credits.
- at the 212 level, you will be eligible to receive 9 additional credits.
- at the 250 level, you will be eligible to receive 12 additional credits.
- at the 300 level, you will be eligible to receive 15 additional credits.

There is a \$10.00 fee for each hour of credit received through accelerated placement.

**Summary of Requirements for Teaching Certification Option in Foreign Languages & Literature**

If you wish to complete a Maryland State approved program in teaching French or Spanish, you must:

- Complete the BA in Foreign Languages & Literature (French Literary Studies track only or Spanish).
- Meet the phase admissions requirements summarized in the Educational Professions section.
- Complete the professional education sequence described in Education: Secondary School Programs.

For Minor

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# Forestry

## Minor

### See related programs:

- biology
  - pre-health option
  - biotechnology
  - environmental science
- environmental analysis & planning
- ethnobotany
- interpretive biology & natural history
- wildlife & fisheries

### Coordinator:

Frank Ammer, Assistant Professor, Department of Biology

- You cannot major in forestry.

Total Hours Required:

## Summary of Requirements for Minor in Forestry

Minor

### 1. Required Courses:

(17 hours)

BIOL 149 General Biology I (*GEP Group C*)  
 BIOL 150 General Biology II  
 BIOL 305 Dendrology  
 BIOL 425 Forest Science  
 BIOL 460 Forestry Field Practice

### 2. Electives:

(6 hours)

At least 6 credits selected from two of the following groups:  
 (Some of the following courses may have prerequisites.)

#### Geography

GEOG 317 Principles of Geographic Information Systems  
 GEOG 340 Soils: Genesis, Nature and Characterization  
 GEOG 406 Management and Conservation of Natural Resources  
 GEOG 413 Remote Sensing - Aerial Photo Interpretation  
 GEOG 430 Surface Water Hydrology  
 GEOG 433 Surveying  
 GEOG 445 Biogeography

#### Biology

BIOL 230 Wildlife Techniques  
 BIOL 410 Plant Diseases  
 BIOL 421 Sample Design and Plant Community Analysis  
 BIOL 494 Field Experiences in Biology\*  
 BIOL 499 Special Problems in Biology \*

#### Other electives

RECR 342 Park and Facility Design  
 RECR 440 Organization & Administration of Recreation & Parks  
 POSC 450 Environmental Public Policy  
 POSC 498 Readings in Political Science\*  
 ECON 410 Resource & Environmental Economics

\* Independent studies courses **MUST** address a **Forestry** topic.

# Geography

	For Major	For Minor	For Mapping Sciences Concentration	For Global Systems Analysis Concentration
Hours Required in Geography:	40-43	22	41-42	37
Hours Required in Other Departments:	3	0	12-13	9
<b>Total Hours Required:</b>	<b>43-46</b>	<b>22</b>	<b>53-55</b>	<b>46</b>

## Major

## Minor

### Concentrations in:

- mapping sciences
- global systems analysis

### Professors:

Bullamore, Caupp, Precht

### Associate Professor:

Kessler, Saku, G. White  
(chair)

### Assistant Professors:

David Arnold,  
M. Ramspott, D. Welsch

- You may elect a concentration in Mapping Sciences or Global Systems Analysis.
- The department also coordinates majors in Earth Science, Environmental Analysis and Planning, and Urban and Regional Planning.
- An internship is optional.

## Summary of Requirements for Major/Minor in Geography

(without specialized concentration)

	Major	Minor
<b>1. Required Core Courses:</b>		
	<i>(19 hours)</i>	<i>(7 hours)</i>
	GEOG 103 Physical Geo. (GEP Group C)	GEOG 103 Physical Geo. (GEP Group C)
	GEOG 104 Human Geo. (GEP Group D or F) or GEOG 110 World Regional Geography: Cultural Diversity (GEP Group F)	GEOG 104 Human Geo. (GEP Group D or F) or GEOG 110 World Regional Geography: Cultural Diversity (GEP Group F)
	GEOG 275 Fundamentals of Geographic Data Handling ( <i>Tech. Fluency</i> )	
	GEOG 310 Fundamentals of Cartography	
	GEOG 380 Research Methods in Geography	
	GEOG 480 The Geographic Perspective	
	GEOG 481 Geography Capstone	
<b>2. Advanced Physical Geography:</b>		
	<i>(3-4 hours)</i>	
	GEOG 335 Oceanography	
	GEOG 340 Soils: Genesis, Nature and Characterization	
	GEOG 405 Climatology	
	GEOG 430 Surface Water Hydrology	
	GEOG 431 Glacial & Pleistocene Geomorphology	
	GEOG 445 Biogeography	
<b>3. Advanced Human Geography:</b>		
	<i>(3 hours)</i>	
	GEOG 300 Economic Geography	
	GEOG 324 Urban Geography: Internal City Patterns	
	GEOG 325 Urban Geography: Metropolitan Systems	
	GEOG 407 Political Geography	
	GEOG 410 Locational Analysis	
	GEOG 425 Geography of Transportation	
	GEOG 427 Geography of Languages & Religions (GEP Group F)	
	GEOG 454 Geography of Tourism	
<b>4. Advanced Regional Geography:</b>		
	<i>(3 hours)</i>	
	<i>Select from:</i>	
	GEOG 301 Geography of North America	
	GEOG 302 Geography of Maryland	
	GEOG 320 Geography of Latin America	
	GEOG 401 Geography of Europe	
	GEOG 402 Geography of Russia and the Former Republics	
	GEOG 403 Geography of Sub-Sahara Africa	
<b>5. Geographic Techniques:</b>		
	<i>(3 hours)</i>	
	<i>Select from:</i>	
	GEOG 317 Geographic Information Systems	
	GEOG 412 Geographic Visualization	
	GEOG 413 Remote Sensing - Aerial Photo Interpretation	
	GEOG 415 Applied Design in the Mapping Sciences	
	GEOG 433 Surveying and Field Techniques	
<b>6. Human Earth Relationships:</b>		
	<i>(3 hours)</i>	
	<i>Select from:</i>	
	GEOG 406 Management and Conservation of Natural Resources	
	GEOG 450 Urban Planning	

GEOG 460 Natural Hazards in the Physical Environment  
 GEOG 472 Environmental Planning  
 GEOG 473 Environmental Law

### 7. Electives

(6-8 hours)

Any two additional geography courses at or above the 300-level or equivalent except GEOG 495

(15 hours)

Select any from GEOG courses at or above the 200-level or equivalent except GEOG 495

### 8. Required Courses in Other Departments:

(3 hours)

MATH 209 Elements of Applied Probability & Statistics (Core Skill 3)

\*Three or more credits earned in GEOG 499 Research in Geography, may count as one course.

## Requirements for Mapping Sciences Concentration

### 1. Required Core Courses:

(19 hours)

GEOG 103 Physical Geography (GEP Group C)  
 GEOG 104 Human Geography (GEP Group D or F)  
 or GEOG 110 World Regional Geography:  
 Cultural Diversity (GEP Group F)  
 GEOG 275 Fundamentals of Geographic Data Handling  
 (Tech. Fluency)  
 GEOG 310 Fundamentals of Cartography  
 GEOG 380 Research Methods in Geography  
 GEOG 480 The Geographic Perspective  
 GEOG 481 Geography Capstone

### 2. Specialized Advanced Courses:

#### Geographic Techniques:

(13 hours)

GEOG 317 Principles of Geographic Information Science (GIS)  
 GEOG 413 Remote Sensing - Aerial Photo Interpretation  
 GEOG 499 Research in Geography

Select two courses from among:

GEOG 412 Geographic Visualization  
 GEOG 414 Digital Image Processing and Analysis  
 GEOG 415 Applied Design in the Mapping Sciences  
 GEOG 417 GeoSpatial Analysis  
 GEOG 418 Cartometrics  
 GEOG 433 Surveying and Field Techniques

### 3. Complementary Advanced Courses:

(9-10 hours)

Select one course from three of the four groups:

#### Group I Physical Geography:

(0-4 hours)

GEOG 335 Oceanography  
 GEOG 340 Soils: Genesis, Nature and Characterization  
 GEOG 405 Climatology  
 GEOG 430 Surface Water Hydrology  
 GEOG 431 Glacial & Pleistocene Geomorphology  
 GEOG 445 Biogeography

#### Group II Human Geography:

(0-3 hours)

GEOG 300 Economic Geography  
 GEOG 324 Urban Geography: Internal City Patterns

## Requirements for Global Systems Analysis Concentration

### 1. Required Core Courses:

(19 hours)

GEOG 103 Physical Geography (GEP Group C)  
 GEOG 104 Human Geography (GEP Group D or F)  
 or GEOG 110 World Regional Geography: Cultural  
 Diversity (GEP Group F)  
 GEOG 275 Fundamentals of Geographic Data Handling  
 (Tech. Fluency)  
 GEOG 310 Fundamentals of Cartography  
 GEOG 380 Research Methods in Geography  
 GEOG 480 The Geographic Perspective  
 GEOG 481 Geography Capstone

### 2. Specialized Advanced Courses:

(15 hours)

#### Group I Human Geography:

(9 hours)

GEOG 300 Economic Geography  
 GEOG 407 Political Geography

Select one from:

GEOG 325 Urban Geography: Metropolitan Systems  
 GEOG 410 Locational Analysis  
 GEOG 425 Geography of Transportation  
 GEOG 427 Geography of Languages and Religions (GEP Group F)  
 GEOG 454 Geography of Tourism

#### Group II Regional Geography:

(6 hours)

Select two from:

GEOG 320 Geography of Latin America  
 GEOG 401 Geography of Europe  
 GEOG 402 Geography of Russia and the Former Republics  
 GEOG 403 Geography of Sub-Saharan Africa

### 3. Complementary Advanced Courses:

(3-4 hours)

Select one course from one of the three groups:

#### Group I Physical Geography:

(0-4 hours)

GEOG 335 Oceanography  
 GEOG 340 Soils: Genesis, Nature and Characterization

\*some courses may have prerequisites

## Requirements for Mapping Sciences Concentration continued

GEOG 325 Urban Geography: Metropolitan Systems  
 GEOG 407 Political Geography  
 GEOG 410 Locational Analysis  
 GEOG 425 Geography of Transportation  
 GEOG 427 Geography of Languages and Religions (*GEP Group F*)  
 GEOG 454 Geography of Tourism

**Group III Regional Geography:***(0-3 hours)*

GEOG 301 Geography of North America  
 GEOG 301 Geography of Maryland  
 GEOG 320 Geography of Latin America  
 GEOG 401 Geography of Europe  
 GEOG 402 Geography of Russia and the Former Republics  
 GEOG 403 Geography of Sub-Saharan Africa

**Group IV Human Earth Relationships:***(0-3 hours)*

GEOG 406 Management and Conservation of Natural Resources  
 GEOG 450 Urban Planning  
 GEOG 460 Natural Hazards in the Physical Environment  
 GEOG 472 Environmental Planning  
 GEOG 473 Environmental Law

**4. Required Courses in Other Departments\*:***(12-13 hours)*

MATH 209 Elements of Applied Probability & Statistics  
*(Core Skill 3)*

*Select one course:*

MATH 102 College Algebra (*Core Skill 3*)  
 MATH 103 Trigonometry  
 MATH 220 Calculus for Applications I  
 MATH 221 Calculus for Applications II  
 MATH 236 Calculus I (*Core Skill 3*)  
 MATH 237 Calculus II

*Select two courses:*

ART 104 Two-Dimensional Design  
 ART 207 Graphic Design  
 ART 212 Drawing  
 COSC 130 Introduction to Programming  
 COSC 240 Computer Science I (4 cr.)  
 PSYC 306 Sensation and Perception  
 PSYC 409 Human Learning and Cognition

*\*some of these courses may have prerequisites***5. Recommendations:***Students are encouraged to select additional course work:*

MATH 220 & 221 Calculus I and II - especially for remote sensing

## Requirements for Global Systems Analysis Concentration continued

GEOG 405 Climatology  
 GEOG 430 Surface Water Hydrology  
 GEOG 431 Glacial & Pleistocene Geomorphology  
 GEOG 445 Biogeography

**Group II Geographic Techniques:***(0-3 hours)*

GEOG 317 Principles of Geographic Information Science (GIS)  
 GEOG 412 Geographic Visualization  
 GEOG 413 Remote Sensing - Aerial Photo Interpretation  
 GEOG 415 Applied Design in the Mapping Sciences  
 GEOG 433 Surveying and Field Techniques

**Group III Human Earth Relationships:***(0-3 hours)*

GEOG 406 Management and Conservation of Natural Resources  
 GEOG 450 Urban Planning  
 GEOG 460 Natural Hazards in the Physical Environment  
 GEOG 472 Environmental Planning  
 GEOG 473 Environmental Law

**4. Required Courses in Other Departments\*:***(9 hours)*

MATH 209 Elements of Applied Probability and Statistics  
*(Core Skill 3)*

*and select two from:*

ECON 309 Comparative Economic Systems  
 ECON 400 International Trade  
 ECON 401 International Finance  
 ECON 405 Econ. Growth & Develop.: Developing Economies  
 HIST 304 History of Latin America  
 HIST 309 World Environmental History  
 HIST 341 Modern & Contemporary Middle East  
 HIST 404 Revolutionary and Soviet Russia  
 HIST 422 Diplomatic History of Europe  
 HIST 450 History of Mexico  
 HIST 453 Contemporary Africa  
 HIST 455 Latin American Revolutions  
 HIST 457 India  
 HIST 458 History of China and Korea  
 HIST 459 History of Japan  
 HIST 476 Modern Europe  
 PHIL 311 Asian and African Philosophy (*GEP Group F*)  
 PHIL 315 Philosophy and the Environment  
 POSC 330 Politics of Africa  
 POSC 331 Politics of Latin America  
 POSC 332 Politics of the Middle East  
 POSC 333 Politics of Europe  
 POSC 341 International Organization  
 POSC 431 Russian Politics  
 POSC 435 Model Organization of American States  
 POSC 441 International Relations: Theory and Practice

*Foreign language courses at the 200 level or higher may fulfill this requirement.**\* some courses may have prerequisites*

# Graphic Design

	For Minor
Hours Required in Art:	24
Hours Required in Other Departments:	0
<b>Total Hours Required:</b>	<b>24</b>

## Minor

### Professors:

Brown, Davis, Dieruf,  
Llewellyn

### Associate Professor:

Rhodes (chair)

### Assistant Professor:

Herzfeld, Hodges

- Minors are also offered in fine arts and art history. A major is offered in Art & Design. See separate listings in this catalog.
- Only courses in which a grade of C or better is earned may count towards satisfaction of major and minor requirements.
- You cannot major in Graphic Design.

## Summary of Requirements for Minor in Graphic Design

### Minor

#### 1. Basic Courses:

(9 hours)

ART 104 Two-Dimensional Design  
ART 105 Three-Dimensional Design  
ART 207 Graphic Design (*Tech. Fluency*)

#### 2. Art History and Critical Studies:

(6 hours)

ART 415 Art Criticism  
*and choose 3 hours from:*  
ART 360 Western Art History  
ART 408 20th Century Art History

#### 3. Introductory Studio:

(3 hours)

*Choose from:*  
ART 202 Ceramics  
ART 221 Painting  
ART 232 Printmaking  
ART 235 Photography  
ART 240 Sculpture

#### 4. Advanced Studio Focus:

(6 hours)

ART 307 Computer Graphics  
ART 407 Advanced Graphic Design (Print & Video)

# History

	For Major	For Minor
Hours Required in History:	39	24
Hours Required in Other Departments:	6	0
<b>Total Hours Required:</b>	<b>45</b>	<b>24</b>

## Major

## Minor

### Concentrations in:

- international history
- history of the Americas

### Professors:

Clulee (Chair), Dean

### Associate Professors:

Boniece, Charney

### Assistant Professors:

Abbay, Wood

### Instructor:

Rands

- Only courses in which a grade of C or better is earned will count towards satisfaction of major requirements.
- An internship is optional.

## Summary of Requirements for Major/Minor in History

Major	Minor
<p><b>1. Core Introductory Level Courses:</b> (12 hours)</p> <p>HIST 103 History of the United States HIST 104 History of the United States HIST 113 World History HIST 114 World History</p>	<p>(12 hours)</p> <p>HIST 103 History of the United States HIST 104 History of the United States HIST 113 World History HIST 114 World History</p>
<p><b>2. Research Core:</b> (6 hours)</p> <p>HIST 299 Writing and Research in History (Completion of HIST 299 with a C or better is required for admission to the history major. Students may file a declaration of major BEFORE completing HIST 299).</p> <p>HIST 485 Seminar in History (Capstone. Must be completed during the senior year with a grade of C or better)</p>	
<p><b>3. Concentrations:</b> (27 hours)</p> <p>Majors must choose one of the following concentrations:</p> <p><b>International History</b> <b>History of the Americas</b></p>	
<p><b>4. Electives</b> (0 hours)</p>	<p><b>Minor</b> (12 hours)</p> <p>Select from any courses at the 300 or 400 level.</p>

## Requirements for International History Concentration

- Select five courses from the following:
  - HIST 301 Traditional Africa
  - HIST 303 History of Latin America
  - HIST 304 History of Latin America
  - HIST 306 Medieval Europe
  - HIST 307 Renaissance and Reformation Europe
  - HIST 308 Europe, 1600-1815
  - HIST 309 World Environmental History
  - HIST 310 Ancient Greece and Rome
  - HIST 318 Native Peoples of the Americas (GEP Group F)
  - HIST 319 A History of Terrorism
  - HIST 341 Modern & Contemporary Middle East
  - HIST 390 Special Topics in International History
  - HIST 403 Imperial Russia
  - HIST 404 Revolutionary and Soviet Russia
  - HIST 436 Women's Issues in World History (GEP Group F)
  - HIST 450 History of Mexico
  - HIST 453 Contemporary Africa
  - HIST 455 Latin American Revolutions
  - HIST 457 India
  - HIST 458 History of China and Korea
  - HIST 459 History of Japan
  - HIST 460 Modern and Contemporary Asia
  - HIST 475 Genocide and Mass Violence
  - HIST 476 Modern Europe

## Requirements for History of the Americas Concentration

2. *Select two history courses from the History of the Americas concentration.*
3. *Select two complementary courses from the following areas (some of these courses may require additional pre-requisite course work):*
  - ART 301 Artistic Traditions: Asia (GEP Group F)
  - ART 302 Artistic Traditions: Africa & the Americas (GEP Group F)
  - ART 360 Western Art History
  - ECON 309 Comparative Economic Systems
  - ECON 405 Economic Growth and Development
  - ENGL 270 European and Non-European Literature
  - ENGL 271 Asian and African Literature
  - ENGL 332 The Age of Johnson
  - ENGL 340 Shakespeare
  - ENGL 371 The Middle Ages in Literature
  - ENGL 372 Early Modern Literature
  - ENGL 373 Literature of the Enlightenment
  - ENGL 374 Age of Revolution
  - ENGL 375 Romanticism
  - ENGL 376 Realism and Naturalism
  - ENGL 377 Modernism
  - ENGL 378 Postmodernism
  - ENGL 379 Postcolonial Literature
  - GEOG 320 Geography of Latin America
  - GEOG 401 Geography of Europe
  - GEOG 402 Geography of Russia and the Former Republics
  - GEOG 403 Geography of Sub-Saharan Africa
  - POSC 330 Politics of Africa
  - POSC 331 Politics of Latin America
  - POSC 332 Politics of the Middle East
  - POSC 333 Politics of Europe
  - POSC 431 Russian Politics

1. *Select five courses from the following:*
  - HIST 303 History of Latin America
  - HIST 304 History of Latin America
  - HIST 309 World Environmental History
  - HIST 318 Native Peoples of the Americas (GEP Group F)
  - HIST 345 History of Maryland
  - HIST 380 The American West
  - HIST 436 Women's Issues in World History (GEP Group F)
  - HIST 450 History of Mexico
  - HIST 455 Latin American Revolutions
  - HIST 461 Colonial America, 1607-1763
  - HIST 462 Revolutionary America, 1763-89
  - HIST 463 The Age of Jefferson and Jackson, 1789-1848
  - HIST 464 The Civil War and Reconstruction, 1849-77
  - HIST 465 Gilded Age America, 1877-1913
  - HIST 466 The U.S. in the 20th Century, 1914-45
  - HIST 467 The U.S. in the 20th Century, 1945-Present
  - HIST 470 America and the Vietnam War
  - HIST 490 Special Topics in History of the Americas
2. *Select two history courses from the International History concentration.*
3. *Select two complementary courses from the following areas (some of these courses may require additional pre-requisite course work):*
  - ART 302 Artistic Traditions: Africa & the Americas (GEP Group F)
  - ECON 303 American Economic Development
  - ECON 405 Economic Growth and Development
  - ENGL 261 American Literature: Colonial to Present
  - ENGL 372 Early Modern Literature
  - ENGL 373 Literature of the Enlightenment
  - ENGL 374 Age of Revolution
  - ENGL 375 Romanticism
  - ENGL 376 Realism and Naturalism
  - ENGL 377 Modernism
  - ENGL 378 Postmodernism
  - ENGL 379 Postcolonial Literature
  - GEOG 301 Geography of North America
  - GEOG 324 Urban Geography: Internal City Patterns
  - POSC 321 American State and Local Politics
  - POSC 331 Politics of Latin America
  - POSC 363 Media and Politics
  - POSC 421 American Legislative Politics
  - POSC 427 The American Presidency
  - POSC 471 American Political Thought
  - SOCI 305 Racial and Cultural Minorities (GEP Group F)

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# Journalism

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**Total Hours Required:**

24

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**Minor**


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**Summary of Requirements for Minor in Journalism**


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Minor

**Coordinator:**

A. Franklin Parks,  
Professor, Department of  
English

**Participating Faculty:****Professors:**

McShane (English), L. Pack  
(Mass Communication), A. F.  
Parks (English)

**Associate Professors:**

Boniece (History), Charney  
(History), Makang  
(Philosophy), T. Smith  
(English)

**Assistant Professor:**

Ewers

**1. English:**

(12 hours)

ENGL 336 Journalistic Writing  
ENGL 402 Editing and Production  
ENGL 436 Advanced News and Feature Writing  
ENGL 494 Field Experience

**2. History:**

(3 hours)

*Choose one from the following:\**

HIST 304 History of Latin America  
HIST 341 Modern and Contemporary Middle East  
HIST 404 Revolutionary and Soviet Russia  
HIST 453 Contemporary Africa  
HIST 460 Modern and Contemporary Asia  
HIST 467 U.S. in the 20th Century, 1945-Present  
HIST 475 Genocide and Mass Violence  
HIST 476 Modern Europe

**3. Mass Communication:**

(6 hours)

MCOM 326 Writing for the Electronic Media  
MCOM 447 Telecommunications Law

**4. Political Science:**

(3 hours)\*\*

POSC 363 Media and Politics\*\*\*

- The minor in journalism will help you develop:

- Improved communication skills
- Familiarity with the roles that journalists perform in different environments
- Understanding of cultural differences, political matters, and global issues facing the practicing journalist today
- Enhanced problem-solving skills
- Ability to perform specific tasks related to print and media journalism
- Awareness of legal and ethical restrictions on journalists

- You cannot major in journalism.

*\*Students minoring in journalism are encouraged to take HIST 100, The Contemporary World in Historical Perspective, towards fulfilling the six-hour requirement in the Humanities (Group B) for the General Education Program.*

*\*\*Students minoring in journalism are encouraged to take POSC 110, Introduction to American Politics, or POSC 113, Introduction to World Politics, towards fulfilling the six-hour requirement in the Social Sciences (Group D) for the General Education Program.*

*\*\*\*The Political Science Department has agreed to waive the pre-requisite for POSC 363 for journalism minors.*

## Law

### Bachelors/Juris Doctor Program

#### Dual-degree program

#### Coordinator:

Scott Johnson, Associate Professor, Department of Political Science

- Frostburg State University students may earn the last 29 of the 120 credit hours required by Frostburg State University for graduation at the University of Baltimore School of Law. The result of this Bachelors/Juris Doctor Program is that students may attain an undergraduate and a law degree in six years instead of the normal seven years.

Hours Required at Frostburg State University	91
Hours Required at University of Baltimore School of Law	29
<b>Total Hours Required:</b>	<b>120</b>

### Summary of Requirements at FSU for the Bachelors/Juris Doctor Program

1. Complete 91 credit hours with Frostburg State University.
2. Complete all of Frostburg State University's general education requirements.
3. Maintain cumulative grade point averages as required at FSU for the academic major and overall course work.
4. Complete all requirements for an academic major at Frostburg State University.
5. Be accepted by the University of Baltimore School of Law into its early admission program. Students can apply for early admission by simply checking the appropriate box on the regular application form.
6. Attain the Bachelor's degree from Frostburg State University upon transferring 29 credits from the University of Baltimore School of Law.

In addition it is recommended that students meet the following criteria:

1. Maintain a grade point average of 3.3 or above at Frostburg State University to enhance the chances for acceptance by the University of Baltimore School of Law.
2. Complete one of the following majors at Frostburg State University: economics, French, geography, history, law and society, philosophy, political science, psychology, sociology, or Spanish. Other majors are possible, but may require the completion of more than 91 credit hours.

## Law and Society

### Major

#### Concentrations in:

- criminal justice
- legal studies

#### Coordinator:

Scott Johnson, Associate Professor, Department of Political Science

#### Coordinating Committee:

##### Professor:

T. Mappes (Philosophy)

##### Associate Professors:

S. Johnson, Lewis (Political Science) Olson (Sociology)

##### Assistant Professor:

McMullen (Sociology)

- Law and Society is an interdisciplinary major that offers concentrations in criminal justice and legal studies.
- An internship is optional but strongly encouraged.

	For Major	For Criminal Justice Concentration	For Legal Studies Concentration
<b>Total Hours Required:</b>	46-49	49	46

### Summary of Requirements for Major in Law and Society

#### Major

#### 1. Required Core Courses:

(19 hours)

POSC 110 Intro. to American Politics (GEP Group D)

or POSC 112 Honors Intro. to American Politics (GEP Group D)

SOCI 100 Intro. to Sociology (GEP Group D)

or SOCI 111 Honors Intro. to Sociology (GEP Group D)

PHIL 102 Contemporary Ethical Problems (GEP Group B)

or PHIL 201 Ethics

POSC 250 Research Methods

or SOCI 311 Basic Research Methods

POSC 422 American Constitutional Law I

POSC 423 American Constitutional Law II

POSC 489 Law & Society Capstone

#### 2. Concentrations:

(27-30 hours)

Complete one of the following concentrations:

##### Concentration in Legal Studies

(27 hours)

##### A. Required Course (3 hours)

PHIL 410 Philosophy of Law

##### B. Elective Courses (24 hours)

Select a total of eight courses, with at least three from Group 1 and at least four from Group 2:

- Only courses in which a grade of C or better is earned will satisfy major requirements.
- You cannot minor in Law and Society.

**Group 1**

BLAW 291 Legal Environment of Business  
 GEOG 473 Environmental Law  
 MCOM 447 Telecommunications Law  
 MGMT 457 Labor Relations  
 POSC 324 Criminal Justice Systems  
 POSC 488 Comparative Legal Systems

**Group 2**

CMST 302 Argumentation and Advocacy  
 PHIL 205 Logic  
 PHIL 304 Social Philosophy  
 POSC 321 State and Local Politics  
 POSC 323 Public Administration  
 POSC 358 American Public Policy  
 SOCI 340 Criminology  
 SOCI 442 Juvenile Delinquency  
 SOCI 443 The American Correctional System

**Concentration in Criminal Justice***(30 hours)***A. Required Courses (27 hours)**

CMST 102 Introduction to Human Communication  
*or* CMST 122 Introduction to Public Speaking  
 PHIL 304 Social Philosophy  
*or* PHIL 410 Philosophy of Law  
 POSC 321 State and Local Politics  
 POSC 323 Public Administration  
 POSC 324 Criminal Justice Systems  
 SOCI 200 Social Problems  
*or* SOCI 203 Deviant Behavior  
 SOCI 340 Criminology  
 SOCI 442 Juvenile Delinquency  
 SOCI 443 The American Correctional System

**B. Elective Courses (3 hours)***Select one course from among:*

PSYC 386 Drugs and Human Behavior  
 SOCI 305 Racial and Cultural Minorities (*GEP Group F*)  
 POSC 358 American Public Policy

**3. Internship:***(optional; 9 or 15 hours)*

POSC 492 Internship Seminar  
 POSC 495 Internship in Political Science

# Law School Preparation

## Pre-professional program

### Pre-law Advisor:

Scott Johnson, Associate Professor, Department of Political Science

- While you cannot major or minor in law school preparation, there are law-related courses offered at Frostburg State University.
- Prospective law students should carefully examine the catalog of the law school they wish to attend in order to determine the test requirements for that school.

The traditional preparatory majors for entering law schools have been political science, history, English, philosophy, or sociology. Most law schools prefer that undergraduates interested in admission to law school *not* follow a prescribed “pre-law” curriculum. Rather, they prefer that students pursue a broad, *liberal* education.

Almost all professional law schools require applicants to take the Law School Aptitude Test. In some cases, the Graduate Record Exam may also be required. Information regarding the L.S.A.T. may be obtained from this university’s pre-law advisor. Information regarding the G.R.E. may be obtained from University Counseling and Psychological Services.

Prospective law students should strive to acquire exceptional ability in communication; gain critical understanding of human values and institutions; and develop understanding in the use of various types of reasoning: deductive, inductive, and analogous. Students should develop the ability to think creatively and to analyze critically. They should also learn how to recognize, differentiate, and organize facts according to their relevance to particular issues.

## Suggested Elective Courses for Law School Preparation

The following courses may be especially helpful in achieving the qualities stated above. Students are advised to choose elective courses from this list:

BLAW 291	Legal Environment of Business
CMST 122	Intro. to Public Speaking
CMST 225	Interviewing
CMST 302	Argumentation & Advocacy
CMST 322	Presentational Communication
CMST 451	Seminar in Communication Theory
ECON 307	Govt. and Business
ECON 404	Public Finance
ENGL 330	Business Writing
ENGL 334	Creative Writing
ENGL 336	Journalistic Writing
ENGL 338	Technical Writing
GEOG 450	Urban Planning
GEOG 473	Environmental Law
HIST 103,104	History of U.S. I, II
PHIL 102	Contemporary Ethical Problems
PHIL 205	Logic
PHIL 410	Philosophy of Law
POSC 324	Criminal Justice Systems
POSC 422,423	American Constitutional Law I, II
SOCI 200	Social Problems
SOCI 443	The Amer. Correctional System

## Law School Admission Test (LSAT) Preparation Course

This non-credit course is designed to help students prepare for the Law School Admission Test (LSAT), a prerequisite for all students seeking admission to law school. The course is offered twice during the academic year in preparation for the October and June tests. There is a fee for the course that covers the costs of instruction and a textbook that contains more than 500 questions and problems, including analytical exercises, practice tests, and a full-length home-study exam. The course covers each of the main sections of the LSAT in depth: application of rules, reading comprehension, logical games, logical reasoning, and essay writing. For each section, students are exposed to a wide variety of sample questions, which are analyzed in class, and various suggestions and methods are presented in lectures for approaching the types of questions in each section.

Graduates of the LSAT prep course have gained admission to such law schools as The Georgetown University Law Center, Duquesne University School of Law, The University of Baltimore School of Law, The West Virginia University College of Law, Appalachian School of Law, Ohio Northern University College of Law, The Thomas M. Cooley Law School, and Liberty College of Law.

For further information, contact Dr. Scott Johnson, pre-law advisor and instructor of the course.

# Mass Communication

## Major

### Professors:

Pack, Phipps

### Associate Professor:

Lombardi (chair)

### Assistant Professor:

McAlexander

- Only courses in which you earn a grade of C or better may count towards satisfaction of major requirements.
- All grades earned in courses completed for the major in Mass Communication count in determining whether you meet the graduation requirement of a 2.0 cumulative grade point average in the major.
- All courses completed for the Mass Communication major count in determining whether one-half of the major is completed at FSU.

	For Major
Hours Required in Mass Communication	27 - 39
Hours Required in Other Departments:	0 - 12
<b>Total Hours Required:</b>	<b>39</b>

## Summary of Requirements for Major In Mass Communication

### Major

#### 1. Introductory/Prerequisite Courses:

(3 hours)

MCOM 105 Introduction to Mass Communication

#### 2. Mass Communication Practice Courses:

(6 hours)

MCOM 212 Video Production Industry

MCOM 246 Intro to Mass Communication Research Methods\*

#### 3. Advanced Mass Communication Courses:

(15 hours)

MCOM 326 Writing for Electronic Media\*

MCOM 346 Mass Communication Theory\*

MCOM 447 Telecommunications Law\*

MCOM 485 Electronic Media Aesthetics & Criticism\*

MCOM 486 Current Issues and New Technology in Mass Communication\*

#### 4. Capstone Experience:\*

(3 hours)

MCOM 494 Mass Communication Practicum or MCOM 492 Internship Project

*You are required to participate in a three-credit Practicum. This requirement may be met by completing three credits of MCOM 494 Mass Communication Practicum, or by completing the graded academic portion of the internship course MCOM 492 Internship Project.*

#### 5. Professional Focus:

(12 hours)

*All MCOM majors must complete one of the focus groupings listed below OR one of the following minors: Communication Studies, Graphic Design, Journalism, Leadership Studies, Marketing or Public Relations. Students wishing to substitute a course for one of the courses in the listed focus groupings may petition the Chair, in writing, prior to earning 90 credit hours. Many of these courses have prerequisites and students should plan their earlier studies accordingly.*

#### Audio Production

*Choose four from:*

MCOM 213 Audio Production

MCOM 250 Announcing and Performance

MCOM 313\* Advanced Audio Production

MCOM 465\* Music Promotion and Production

MCOM 499\* Directed Study

MUSC 358 The Business of Music & Arts Management

#### Video Production

MCOM 311\* Single Camera Production

MCOM 487\* Advanced Video Production

MCOM 488\* Multi-Camera Field Production

MCOM 499\* Directed Study

#### Audio/Video Production

*Choose two from each group:*

##### Group 1

MCOM 213 Audio Production

MCOM 313\* Advanced Audio Production

MCOM 465\* Music Promotion and Production

MCOM 499\* Directed Study

*\*Course has prerequisites; consult the course description section of this catalog*

**Group 2**

MCOM 311\* Single Camera Production  
 MCOM 487\* Advanced Video Production  
 MCOM 488\* Multi-Camera Field Production  
 MCOM 499\* Directed Study

**Radio Industry**

*Choose four from:*

MCOM 150 Introduction to Radio  
 MCOM 213 Audio Production  
 MCOM 313\* Advanced Audio Production  
 MCOM 316\* Telecommunications Management  
 MCOM 336\* Broadcast-Cable Programming

**Media Management†**

*Choose four from:*

MCOM 316\* Telecommunications Management  
 MCOM 336\* Broadcast-Cable Programming  
 CMST 335 Organizational Communication  
 MGMT 351\* Management of Organizations  
 MGMT 356\* Leadership and Human Behavior  
 MGMT 357\* Human Resource Management

**Multimedia Design**

ART 207 Graphic Design (*Tech. Fluency*)  
 ART 307\* Computer Graphics  
 ART 414\* Advanced Graphic Design: Multimedia Design (*6 hours*)

*Recommended:*

ART 407\* Advanced Graphic Design: Print & Video Media

**Events Planning**

*Choose four from:*

MCOM 465\* Music Promotion and Production  
 MCOM 499\* Directed Study  
 CMST 102 Introduction to Human Communication  
 or CMST 122 Introduction to Public Speaking  
 CMST 485 Issues and Responsibilities of Communication  
 RECR 382 Program Planning  
 RECR 384 Special Events Management

**Web Management**

COSC 101 The Discipline of Computer Science  
 COSC 120 Introduction to Cyberspace  
 COSC 330\* Web Design and Development  
 COSC 345\* The Internet and Multimedia Communication

**Media Promotionst**

*Choose four from:*

MCOM 456\* Creative Strategies in Advertising and Media Buying  
 MCOM 499\* Directed Study  
 MKTG 361\* Principles of Marketing  
 MKTG 363\* Advertising  
 MKTG 366\* Consumer Behavior

*\*Course has prerequisites; consult the course description section of this catalog*

*† This program is intended to give a foundational background in some business aspects of MCOM, but is not intended as preparation for a professional career in business.*

# Mathematics

## Major

## Minor

## Teaching Certification Option

### Professors:

Hegde, M. Hughes, K.  
Lemmert, K. Parks,  
Revennaugh (Chair)

### Associate Professors:

Barnet, Elder, Wojnar

### Assistant Professors:

Forsythe, Michael

- You may major or minor in Mathematics
- You may elect the teaching certification option with required internship.
- Elementary Education students may elect a specialization in Mathematics.
- You may elect to focus in Mathematical Sciences (*see next section*). The Mathematical Sciences Focus is designed for mathematics, chemistry, and physics majors.
- The department offers an honors program.

	For Major	For Minor	For Teaching Cert. Option
Hours Required in Mathematics:	39	21	39
Hours Required in Other Departments:	0	0	42.5
<b>Total Hours Required:</b>	<b>39</b>	<b>21</b>	<b>81.5</b>

## Summary of Requirements for Major/Minor in Mathematics

	Major	Minor
<b>1. Basic Courses</b> (21 hours)	MATH 236 Calculus I ( <i>Core Skill 3</i> ) MATH 237 Calculus II MATH 238 Calculus III MATH 350 Linear Algebra I MATH 470 Mathematical Models MATH 491 Seminar in Mathematics ( <i>Capstone</i> )	(12 hours) MATH 236 Calculus I ( <i>Core Skill 3</i> ) MATH 237 Calculus II MATH 238 Calculus III
<b>2. Electives</b> (18 hours) <i>Select from courses at the 300 or 400 level, except MATH 340 Fundamental Concepts of Geometry, MATH 483 Theory of Interest, MATH 485 Actuarial Mathematics II, or MATH 495 Internship in Mathematics</i>	(9 hours) <i>Select from courses at the 300 or 400 level, except MATH 340 Fundamental Concepts of Geometry, MATH 483 Theory of Interest, MATH 485 Actuarial Mathematics II, or MATH 495 Internship in Mathematics</i>	

## Summary of Requirements for Major in Mathematics - Teaching Certification Option

- 1. Basic Core Curriculum**  
(21 hours)  
MATH 236 Calculus I (*Core Skill 3*)  
MATH 237 Calculus II  
MATH 238 Calculus III  
MATH 350 Linear Algebra I  
MATH 470 Mathematical Models and Applications  
MATH 491 Seminar in Mathematics (*Capstone*)
- 2. Mathematics Teaching Certification Option Requirements**  
(18 hours)  
MATH 380 Introduction to Probability and Statistics  
MATH 437 Combinatorics and Graph Theory  
MATH 440 Modern College Geometry  
MATH 461 History of Mathematics  
MATH 465 Theory of Numbers  
MATH 415 Foundations of Mathematics  
*or* MATH 451 Modern Higher Algebra
- 3. Professional Education Sequence**  
(42.5 hours)

## Summary of Requirements for Teaching Certification

If you wish to complete a Maryland State approved program in teaching Mathematics, you must:

- Complete the BA/BS in Mathematics - Teaching Certification Option.
- Meet the phase admissions requirements summarized in the Educational Professions section.
- Complete the professional education sequence described in Education: Secondary School Programs

# Mathematical Sciences

## Focus

### Coordinator:

Lance Revenaugh, Chair,  
Department of Mathematics

- You may elect to focus in Mathematical Sciences.
- The Mathematical Sciences Focus is designed for Mathematics, Chemistry, and Physics majors.
- You cannot major or minor in Mathematical Sciences.

	For Focus
Hours Required in Mathematics:	12
Hours Required in Other Departments:	10-12
<b>Total Hours Required:</b>	<b>22-24</b>

## Summary of Requirements for Focus in Mathematical Sciences

### Focus

#### 1. Core Mathematics Courses:

(3 hours)

*From among:*

MATH 415 Foundations of Mathematics  
 MATH 425 Introduction to Real Analysis  
 MATH 440 Modern College Geometry  
 MATH 451 Modern Higher Algebra  
 MATH 452 Linear Algebra II  
 MATH 460 Introductory Topology  
 MATH 465 Theory of Numbers

#### 2. Applied Mathematics:

(9 hours)

*From among:*

MATH 380 Introduction to Probability and Statistics  
 MATH 420 Advanced Calculus  
 MATH 426 Introduction to Complex Analysis  
 MATH 432 Differential Equations  
 MATH 435 Numerical Analysis  
 MATH 436 Mathematical Physics  
 MATH 437 Combinatorics and Graph Theory  
 MATH 470 Mathematical Models and Applications  
 MATH 480 Probability and Statistics  
 MATH 481 Applied Regression Analysis  
 MATH 492 Internship Seminar

#### 3. Required Courses in Other Departments:

##### Computer Science

(7-8 hours)

*From among:*

COSC 240 Computer Science I  
 COSC 241 Computer Science II  
 COSC 350 Computer Organization and Assembly Language  
 COSC 450 Programming Language Structures

##### Science

(3-4 hours)

PHYS 261 Principles of Physics I (*GEP Group C*) or  
 CHEM 441 Physical Chemistry I

# Medical Technology Preparation

## Pre-professional program

### Coordinator:

Don Weser, Professor,  
Department of Chemistry

- You must complete at least 60 hours of academic preparation, exclusive of Health & Physical Education, before beginning the professional segment of this program.
- The Summary of Requirements will assist you in planning your first two years of study which fulfill the requirements of the University of Maryland, Baltimore and the National Accrediting Agency for Clinical Laboratory Science. Students interested in attending other institutions should consult their catalogs for specific entrance requirements.
- The Pre-Medical Technology Program is competitive and high-quality academic performance is expected.
- You cannot major or minor in Medical Technology Preparation.

For Pre-professional Program

Total Hours:

56-57

## Summary of Requirements for Pre-professional Program in Medical Technology

### 1. Biology:

(11-12 hours)

BIOL 149 General Biology I

BIOL 304 Microbiology

**Biology Elective** - choose one from the following:

BIOL 310 Cell Biology

BIOL 350 Genetics

### 2. Chemistry

(13 hours)

CHEM 101 General Chemistry I

CHEM 102 General Chemistry II

CHEM 301 Organic Chemistry I

### 3. English

(6 hours)

ENGL 101/111 Freshman Composition

or ENGL 310/312 Advanced Composition

ENGL 150/250 Intro. to Literature

or an advanced English/American Literature course

### 4. Humanities

(3 hours)

Select a non-performing course from art, music, foreign language (2nd year or above), humanities, communication studies, theatre, philosophy.

### 5. Mathematics

(6 hours)

MATH 102 College Algebra

MATH 209/219 Elements of Applied Probability and Statistics

### 6. Guided Electives

(3 hours)

Choose one course:

COSC 100/110 Intro. to Computer Science

or an advanced computer science course

CMST 102/112 Introduction to Human Communication

CMST 122 Introduction to Public Speaking

### 7. Social Sciences

(6 hours)

Select courses from economics, geography, history, political science, psychology, sociology, African American studies.

### 8. Electives

(minimum 8 hours)

Strongly recommended:

CHEM 302 Organic Chemistry II

PHYS 215 General Physics I

or PHYS 261 Principles of Physics I

BIOL 201 Anatomy and Physiology I

BIOL 202 Anatomy and Physiology II

# Medicine Dentistry Optometry Veterinary Medicine Preparation

## Pre-professional programs

### Coordinator:

Mary Mumper, Chair,  
Health Professions Advisory  
Committee and Associate  
Professor, Department of  
Chemistry

- Students applying for professional school should stay in contact with the Health Professions Advisory Committee. The committee interviews candidates for professional school and supplies a committee letter of recommendation to the applicants' prospective school. This procedure enhances the students' application prospects.

## Summary of Requirements for Medical, Dental, Optometry & Veterinary Medicine Pre-Health Professions Program

1. Students intending to enter health professions schools should plan their academic programs carefully to meet pre-professional, university and major requirements.
2. Pre-health professions students should continually examine the catalog of the institution they plan to attend in order to complete courses required by the professional school and to fulfill additional entrance expectations. Students should bear in mind that requirements change and they should maintain contact with any professional schools they want to attend.
3. A science major is not a prerequisite for medical school; therefore, a major should be selected in which the student has a high aptitude and interest and which provides career alternatives. A proper course selection is most important; consequently, we highly recommend early consultation with the chair of the department of your selected major, who will assign you to a pre-health professions advisor.
4. Most pre-health professions students at FSU select biology or chemistry as majors. The Pre-Health Professions Option outlined in the Biology section of this catalog should be selected by students majoring in Biology. Chemistry students planning medical school and other pre-health professional programs complete either the Biochemistry concentration or Traditional Track outlined for the Chemistry major. Students opting to minor in either department are advised to use sections 5 and 6 below as a guide to course selection.
5. Professional schools generally require a demonstrated proficiency in the basic sciences. The following courses are among the minimum requirements for students planning to prepare for medical, dental, optometry or veterinary school.

BIOL 149 and 150	General Biology I and II	8 cr.
CHEM 101 and 102	General Chemistry I and II	8 cr.
CHEM 301 and 302	Organic Chemistry I and II	10 cr.
PHYS 215, 216 or 261, 262	General Physics I, II or Principles of Physics I, II	8 cr.
MATH — 2 courses	*See options in #6	6 cr.

6. Some professional schools require and many recommend additional courses as minimal requirements. The following list should be used as a guide for course selection by students in any major.

BIOL 304	Microbiology	4 cr.
BIOL 302	Animal Physiology	4 cr.
BIOL 310	Cell Biology	4 cr.
BIOL 327	Comparative Anatomy	5 cr.
BIOL 350	Genetics	4 cr.
BIOL 404	Histology	4 cr.
BIOL 435	Molecular Biology	4 cr.
CHEM 320	Quantitative Analytical Chemistry	4 cr.
CHEM 441, 442	Physical Chemistry Lec. I & II	6 cr.
CHEM 455, 457	Biochemistry Lec. I & II	6 cr.
ENGL 338	Technical Writing	3 cr.
MATH 120	Pre-Calculus	3 cr.
MATH 236, 237, 238	Calculus I, II, III	12 cr.
MATH 209 or 380	Probability & Statistics	3 cr.
PHIL 313	Biomedical Ethics	3 cr.

7. Biochemistry I (CHEM 455) is an entrance requirement at the Virginia-Maryland Regional College of Veterinary Medicine.
8. Almost all professional schools require applicants to take certain standardized examinations.

Medical Schools	—	Medical College Admission Test (MCAT)
Dental Schools	—	Dental Admissions Test (DAT)
Optometry Schools	—	Optometry Admission Test (OAT)
Veterinary Schools	—	Graduate Record Exam (GRE)

You may obtain information about the tests from Career Services.

# Music

	For Teaching Cert. Option	For Major Concentrations Vocal Perform	Music Mgmt	For Major Track Instrumental Perform	For Minor
Hours Required in Music:	61.5	66	63.5-66.5	63	23
Hours Required in Other Depts:	37.5	18-24	21	0	0
<b>Total Hours Required:</b>	<b>99</b>	<b>84-90</b>	<b>84.5-87.5</b>	<b>63</b>	<b>23</b>

## Major and minor

### Concentrations in:

- vocal performance
- music management

### Track in:

- instrumental performance

### Teaching Certification Option

### Professor:

Grolman, Soderberg Sarnaker  
(Co-Chair, Division of  
Performing Arts)

### Associate Professor:

Dixon

### Assistant Professor:

M. Gallagher

- All students entering or re-entering the major are required to pass an audition in their primary performance area before being accepted as a music major. Students changing their primary performance area must re-audition before being re-accepted as a music major.
- You must choose a concentration, a track or the teaching certification option.
- Only courses in which you earn a grade of C or better will count towards satisfaction of major requirements.

## Summary of Requirements for Major/Minor in Music

	Major	Minor
<b>Core Requirements:</b> (47.5-49 hours)		(23 hours)
<b>1. Music Theory:</b> (16 hours)		(8 hours)
MUSC 102 Theory I		MUSC 102 Theory I
MUSC 103 Theory II		MUSC 103 Theory II
MUSC 104 Aural Skills I		MUSC 104 Aural Skills I
MUSC 105 Aural Skills II		MUSC 105 Aural Skills II
MUSC 204 Theory III		
MUSC 205 Theory IV		
MUSC 206 Aural Skills III		
MUSC 207 Aural Skills IV		
<b>2. Music History &amp; Literature:</b> (9 hours)		(6 hours)
MUSC 110 World Music (GEP Group A) or MUSC 117 Music of Africa, Asia & the Americas (GEP Group A or F)		MUSC 308 Music History I MUSC 309 Music History II
MUSC 308 Music History I		
MUSC 309 Music History II		
<b>3. Ensemble:</b> (8 hours for performance specializations, 7 hours for music mgmt. and teaching cert.) Select from:		(3 hours) Select from:
MUSC 319 University Chorale		MUSC 319 University Chorale
MUSC 330 Wind Ensemble		MUSC 330 Wind Ensemble
MUSC 336 Chamber Guitar Ensemble		MUSC 336 Chamber Guitar Ensemble
<b>4. Piano Proficiency:</b> (0 hours)		
MUSA 415 Piano Proficiency Exam		
<b>5. Private Instruction:</b> (12 hours)		(4 hours)
MUSA 116-123 Private Instruction and/or MUSA 356-363 Private Instruction		MUSA 116-123 Private Instruction and/or MUSA 356-363 Private Instruction
<b>6. Recital Attendance:</b> (4 hours for performance specializations, 3.5 hours for music mgmt and teaching cert.)		(2 hours)
MUSA 101 Student Recital Attendance		MUSA 101 Student Recital Attendance
<b>7. Sophomore Evaluation:</b> (0 hours)		
MUSA 287 Sophomore Evaluation		

## Summary of Requirements for the Teaching Certification Option in Music

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### 1. Core Courses:

(47.5 hours)

Required for all music majors; listed above.

### 2. Recital Requirement:

(1 hour)

MUSA 490 Senior Recital (*Capstone*)

### 3. Other Required Courses for K-12 Teaching Certification:

(51.5 hours)

If you wish to complete a Maryland State approved program in teaching Music, you must:

- Complete the following additional courses in Music:
  - MUSA 108 Class Instruments I: Strings
  - MUSA 208 Class Instruments II: Woodwinds
  - MUSA 209 Class Instruments III: Brass
  - MUSA 311 Class Instruments IV: Percussion
  - MUSC 310 Basic Principles of Conducting I - Choral
  - MUSC 410 Basic Principles of Conducting II - Instrumental
- If your performing area is instrumental, you must complete 2 credit hours of MUSC 319 University Chorale
- If your performing area is guitar, you must complete 2 credit hours of MUSC 319 University Chorale and 2 credit hours of MUSC 330 Wind Ensemble
- If your performing area is vocal, you must complete MUSA 210 Diction
- Meet the phase admissions requirements summarized in the Educational Professions section.
- Complete the professional education sequence described in the Education: K-12 Programs.

## Summary of Requirements for the Vocal Performance Concentration

---

### 1. Core Courses:

(49 hours)

Required for all music majors; listed above

### 2. Supplementary Requirements:

(5 hours)

MUSA 104, 105 Class Piano

MUSA 116-123 Private Instruction

MUSA 356-363 Private Instruction

MUSC 315, 327, 331, 337, 339, 340 Ensembles

### 3. Other Requirements for Vocal Performance Majors:

(10 hours)

MUSC 210 Diction

MUSC 310 Basic Principles of Conducting I - Choral

MUSC 401 Form & Analysis

MUSC 413 Vocal Pedagogy

### 4. Recital Requirements:

(2 hours)

MUSA 390 Junior Recital

MUSA 490 Senior Recital (*Capstone*)

### 5. Minor in Foreign Languages & Literature:

(18 hours)

#### Summary of Requirements for Minor in Foreign Languages & Literature

The minor in French or Spanish consists of a minimum of 18 hours. Students minoring in a language who begin course work at the 300 level are required, through accelerated placement, to pay a fee of \$10.00 per credit hour for the 211, 212, and 250 courses. The 250 course counts toward GEP Group B. If you have no background in French or Spanish, you will need to begin with the 101-102 sequence and complete up to 24 hours in language.

## Summary of Requirements for the Music Management Concentration

---

### 1. Core Courses:

(47.5 hours)

Required for all music majors; listed above.

### 2. Advanced Courses:

(16-19 hours)

MCOM 465 Music Promotion and Production

MUSC 390 Junior Recital

MUSC 358 The Business of Music and Arts Management

MUSC 492 Senior Project Paper (*Capstone*)

MUSC 495 Internship in Music Management (6 or 9 hours)

### 3. Required Courses in Other Departments (*Business Administration Minor*)

(21 hours)

ACCT 211 Financial Accounting

BUAD 100 Introduction to Business

or BLAW 291 Legal Environment of Business

FINA 303 Principles of Finance

or FINA 370 Corporate Finance

or FINA 476 Financial Management

MGMT 351 Management of Organizations

MGMT 356 Leadership and Human Behavior

or BMIS 320 Advanced Computer Applications in Business

MKTG 361 Principles of Marketing

ECON 200 Basic Economics (*GEP Group D*)

or ECON 201/211 Principles of Economics-Macro (*GEP Group D*)

## Summary of Requirements for the Instrumental Performance Track

---

### 1. Core Courses:

(49 hours)

Required for all music majors; listed above.

### 2. Supplementary Requirements:

(5 hours)

MUSA 104, 105 Class Piano

MUSA 116-123 Private Instruction

MUSA 356-363 Private Instruction

MUSC 315, 327, 331, 337, 339, 340 Ensembles

### 3. Other Requirements:

(7 hours)

MUSC 310 Basic Principles of Conducting I - Choral

*And select four hours from:*

MUSA 213 Piano Pedagogy

MUSC 305 Orchestration

MUSC 358 Business of Music and Arts Management

MUSC 360 Special Topics in Music (*up to 4 credits*)

MUSC 401 Form and Analysis

MUSC 407 Counterpoint

MUSC 499 Individual Research in Music (*up to 4 credits*)

### 4. Recital Requirements:

(2 hours)

MUSA 390 Junior Recital

MUSA 490 Senior Recital (*Capstone*)

For Pre-professional Program

# Nursing Preparation

## Pre-professional program

### Coordinator:

Wayne Yoder, Professor,  
Department of Biology

- A liberal arts program is recommended as preparation for professional study in the field of Nursing, particularly if the student is interested in the additional career opportunities available to those earning a B.S. degree in Nursing.
- Prospective nurses interested in a B.S. degree from a school of nursing may take a two-year program at Frostburg. It is expected that each student enrolled in the pre-nursing program will earn and maintain a **minimum 3.2** cumulative grade point average.
- You cannot major or minor in Nursing Preparation.

Total Hours Required:

60

The following pre-professional courses are required for students interested in the University of Maryland, Baltimore School of Nursing and could also be taken, together with additional requirements, by students interested in attending other schools of nursing.

### Summary of Requirements for Pre-professional Program in Nursing

#### 1. Biology:

(16 hours)

BIOL 149 General Biology I  
BIOL 201 Anatomy & Physiology I  
BIOL 202 Anatomy & Physiology II  
BIOL 304 Microbiology

#### 2. Chemistry:

(4 or 8 hours\*)

CHEM 101 General Chemistry I  
CHEM 102 General Chemistry II (\*The University of Maryland, Baltimore only requires CHEM 101).

#### 3. English:

(6 hours)

ENGL 101 Freshman Composition  
ENGL 338 Technical Writing  
or ENGL 339 Scientific Writing

#### 4. Humanities:

(9 hours)

*Must include courses from at least three of the following disciplines:*

English (literature courses), history, philosophy, foreign languages, music/art (history and/or appreciation), speech

#### 5. Social Sciences

(12 hours)

PSYC 150 General Psychology  
PSYC 210 Child Development  
PSYC 212 Adolescence and Adulthood  
SOCI 100 Introduction to Sociology

#### 6. Other Required Courses:

(9 hours)

HEED 200 Nutrition (*to be taken in Spring of 2nd year*)  
MATH 209 Elements of Probability and Statistics  
MATH 102 College Algebra  
or MATH 103 Trigonometry

# Occupational Therapy Preparation

For Pre-professional Program

**Total Hours:****58**

## Pre-professional program

### Coordinator:

David Morton, Professor,  
Department of Biology

- All candidates are expected to earn and maintain **at least a 3.0** cumulative grade point average in order to be considered competitive for the program.
- Only the top 36 candidates, from all institutions offering prerequisite courses, will be considered for admission to the Occupational Therapy Program at Towson University. You can apply anytime you meet the application requirements.
- If you currently hold a baccalaureate degree, you don't have to meet Towson's GenEd requirements. See the current Towson University catalog for more details.
- You cannot major or minor in Occupational Therapy Preparation.

The following courses are prerequisites for students interested in the Occupational Therapy Program at Towson University. Applicants are encouraged to visit the occupational therapy pages on Towson's web site for additional information about their program, including any changes made subsequent to this catalog. These courses may also be taken, together with additional requirements, by students interested in completing a professional occupational therapy program at other institutions.

- By December 21 of the year previous to application, candidates must complete Introductory Biology and two of the following: Freshman Composition, Introduction to Psychology, and Introduction to Sociology. The remaining prerequisite course must be completed by May 30 of the application year. Candidates must earn a B grade in all of these courses.
- By March 1 of application year, candidates must complete a minimum of 14 credits of college-level courses. Candidates must earn a GPA of 2.7 or better.
- By the screening deadline, candidates must complete at least 30 hours of human service activity. See application form for details.
- By August 31 of the year prior to the first term of the Occupation Therapy Program candidates must complete a minimum of 23 credits that meet Towson University's General Education requirements.

## Summary of Requirements for Pre-professional Program in Occupational Therapy

### 1. Prerequisite Courses:

(13 hours)

BIOL 149 General Biology I  
ENGL 101/111 Freshman Composition  
PSYC 150/151 General Psychology  
SOC 100/111 Intro. to Sociology

### 2. Other courses that meet Towson's GenEd requirements:

*Select one course per group. Take no more than three courses from the same discipline. Courses with asterisks are also FSU GEP courses.*

- a. ART 110 Visual Imagery\*  
or THEA 107 Introduction to Theatrical Vision\*  
THEA 110 Introduction to Acting  
COS 330 Web Design and Development  
DANC 342 Modern III  
ENGL 334 or ENGL 335 Creative Writing Fiction/Poetry
- b. ENGL 261 American Literature: Colonial to Present  
HIST 100/111 The Contemporary World in Historical Perspective\*  
HIST 103, 104 History of the United States  
MUSC 110 Intro. to World Music\*  
DANC 110 Dance Appreciation\*
- c. *Select a course from a different discipline than the one chosen in section b. above*  
ART 100/111 Art Appreciation\*  
ENGL 375 Romanticism  
PHIL 101/111 Intro. to Philosophy\*  
FREN 101, 102 Basic Elements of French I, II  
HIST 306 Medieval Europe  
HIST 310 Ancient Greece and Rome  
SPAN 101, 102 Basic Elements of Spanish I, II
- d. AAST 200 Introduction to African American Studies\*  
ENGL 231 African American Literature  
FREN 211, 212 French Grammar, Composition & Conversation I, II  
SPAN 211, 212 Spanish Grammar, Composition & Conversation I, II  
WMST 201 Introduction to Women's Studies\*

### 3. Other transferable program requirements:

(up to 20 hours)

BIOL 201, 202 Anatomy & Phys. I, II  
MATH 209/219 Elem. Applied Prob. & Stat.  
PSYC 210 and 212 Child, Adolescent & Adulthood  
PSYC 417 Psychology of Abnormal Behavior

\*FSU GEP courses