

For Pre-professional Program

Pharmacy Preparation

Pre-professional program

Coordinator:

Don Weser, Professor,
Department of Chemistry

- The following 2-to-3 year pre-professional course pattern is suggested for students particularly interested in the University of Maryland, Baltimore School of Pharmacy. Students interested in attending other schools of pharmacy should consult their catalogs for specific entrance requirements.
- Each student enrolled in the pre-pharmacy program must earn and maintain a **minimum 3.00** cumulative grade point average.
- The Pharmacy College Admissions Test (PCAT) is also required and should be taken in the fall semester of the student's last year of study at FSU.
- For students who want to earn a baccalaureate degree at FSU before applying to a school of pharmacy, a major in chemistry or biology is appropriate.
- See the description of the dual degree program in chemistry and pharmacy for an accelerated program in which you can earn a B.S. and Pharm.D. in seven years instead of eight.

Total Hours: 65

Summary of Requirements for Pre-professional Program in Pharmacy

- 1. Biology**
(8 hours)
BIOL 149 General Biology I
BIOL 304 Microbiology
- 2. Chemistry**
(18 hours)
CHEM 101, 102 General Chemistry I, II
CHEM 301, 302 Organic Chemistry I, II
- 3. English**
(6 hours)
ENGL 101 Freshman Composition
ENGL 310 Advanced Composition
or ENGL 338 Technical Writing or ENGL 339 Scientific Writing
- 4. Mathematics**
(7 hours)
MATH 209 Elements of Applied Probability and Statistics
or MATH 380 Introduction to Probability and Statistics
and MATH 236 Calculus I
- 5. Physics**
(8 hours)
PHYS 215, 216 General Physics I, II
or PHYS 261, 262 Principles of Physics I, II
- 6. Humanities**
(6 hours)
- 7. Social Sciences**
(6 hours)
- 8. Humanities/Social Science Electives**
(6 hours)

Philosophy

Major

Minor

	For Major	For Minor
Hours Required in Philosophy:	30	18
Hours Required in Other Departments:	0	0
Total Hours Required:	30	18

Summary of Requirements for Major/Minor in Philosophy

Professor:

Mappes (Coordinator)

Associate Professors:

Kroeger-Mappes, Makang

Assistant Professor:

Brill

1. Introductory Level Courses:

- (6 hours)
Select two from:
PHIL 101 Introduction to Philosophy
(GEP Group B)
or PHIL 111 Honors: Introduction to
Philosophy (GEP Group B)
PHIL 102 Contemporary Ethical Problems
(GEP Group B)

- (6 hours)
Select two from:
PHIL 101 Introduction to Philosophy
(GEP Group B)
or PHIL 111 Honors: Introduction to
Philosophy (GEP Group B)
PHIL 102 Contemporary Ethical Problems
(GEP Group B)

PHIL 201 Ethics
PHIL 205 Logic

PHIL 201 Ethics
PHIL 205 Logic

2. History of Philosophy:

(6 hours)

PHIL 202 History of Philosophy: Ancient & Medieval

PHIL 203 History of Modern Philosophy

3. Distribution within Department:

(15 hours)

Select from courses at the 300 or 400 level.

(9 hours)

Select from courses at the 300 or 400 level.

4. Elective Hours in Department:

(3 hours)

(3 hours)

Physical Therapy Preparation

The following pre-professional courses are required of students interested in the University of Maryland, Baltimore's Physical Therapy Program. Students interested in attending other professional schools should work closely with the coordinator of the Physical Therapy Preparation program to plan an appropriate program.

Summary of Requirements for Pre-professional Program in Physical Therapy

Pre-professional program

Coordinator:

Wayne Yoder, Professor,
Department of Biology

- Professional schools *differ substantially* in their requirements for admission and it is the responsibility of the student to ensure the completion of the necessary pre-physical therapy courses for the professional schools of interest.
- You are expected to earn and maintain at least a 3.20 cumulative grade point average.
- Physical Therapy experience as volunteer or aide is required (100-200 hours) as is a current CPR certificate.
- You cannot major or minor in pre-physical therapy.
- Application requirements for the University of Maryland, Baltimore include:
 - Bachelor's degree (any major)
 - Successful completion (C or better) of the 52 specified credit hours or prerequisite course work
 - Submission of GRE scores.

1. Arts, History and Humanities

(3 hours)

CMST 102 Introduction to Human Communication

2. Biology

(12 hours)

BIOL 149 General Biology I (GEP Group C)

BIOL 201 Anatomy and Physiology I

Any 300- or 400-level biology course with lab

3. Chemistry

(8 hours)

CHEM 101 General Chemistry I (GEP Group C)

CHEM 102 General Chemistry II

4. English

(3 hours)

ENGL 101 Freshman Composition (Core Skill 1)

5. Mathematics

(6 hours)

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

or SOCI 310 Statistics for Social Science

MATH 220 Calculus for Applications I

or MATH 236 Calculus I (Core Skill 3)

or MATH 120 Precalculus (Core Skill 3)

6. Physics

(8 hours)

PHYS 215 General Physics I (GEP Group C)

PHYS 216 General Physics II

7. Psychology

(9 hours)

PSYC 150 General Psychology (GEP Group D)

PSYC 210 Child Development

PSYC 212 Adolescence & Adulthood

8. Electives

(3 hours)

Choose one of the following:

ENES 102 Statics

ENES 221 Dynamics

PHEC 301 Applied Biomechanics

PHEC 303 Biomechanics for Exercise and Sport Science

PHEC 407 Motor Learning & Performance

(Consult with the Pre-physical therapy advisor concerning other appropriate electives.)

Physics

	For Major	For Minor	For Teaching Cert. Option
Hours Required in Physics:	39	21	39
Hours Required in Other Departments:	22	8	63.5-64.5
Total Hours Required:	61	29	102.5-103.5

Major

Minor

Tracks in:

- traditional physics
- engineering physics

Teaching Certification Option

Professor:

Hoffman, Latta, Luzader, Plitnik, Tam

Associate Professors:

Deng-Luzader, Doyle, Soysal (Chair)

- You may not use courses listed under the heading Physical Science to satisfy the requirements of a major or minor in Physics.
- FSU and the University of Maryland Baltimore County offer a BS/MS program in Applied Physics. (See the next page of this catalog for more details).
- For engineering programs offered by the Dept. of Physics and Engineering, see the Engineering section of this catalog.
- The Traditional Physics track is recommended if you plan to attend graduate school.

Summary of Requirements for Major/Minor in Physics

Major	Minor
<p>1. Introductory Level Courses: (8 hours) PHYS 261 Principles of Physics I: Mechanics (GEP Group C) PHYS 262 Principles of Physics II: Electricity & Magnetism</p> <p>2. Advanced Courses: (22 hours) PHYS 263 Principles of Phys. III: Sound/Light PHYS 264 Principles of Physics IV: Thermodynamics & Modern Physics PHYS 310 Classical Mechanics PHYS 312 Electricity & Magnetism PHYS 320 Experimental Physics PHYS 491 Seminar PHYS 492 Senior Research & Seminar</p> <p>3. Required Courses in Other Departments: (22 hours) <i>One of the following:</i> COSC 240 Computer Science I <i>or</i> ENEE 114 Programming Concepts for Engineers <i>All of the following:</i> ENES 100 Intro. to Engineering Design MATH 236 Calculus I (Core Skill 3) MATH 237 Calculus II MATH 238 Calculus III MATH 432 Differential Equations</p> <p>4. Choice of Track: (9 hours) <i>Majors must choose a track in:</i> Traditional Physics or Engineering Physics (requirements listed below)</p>	<p>(8 hours) PHYS 261 Principles of Physics I: Mechanics (GEP Group C) PHYS 262 Principles of Physics II: Electricity & Magnetism</p> <p>(13 hours) PHYS 263 Principles of Phys. III: Sound & Light PHYS 264 Principles of Physics IV: Thermodynamics & Modern Physics PHYS 320 Experimental Physics <i>One additional 300-400 level physics or engineering course</i></p> <p>(8 hours) MATH 236 Calculus I (Core Skill 3) MATH 237 Calculus II</p>

Summary of Requirements for Traditional Physics Track

- Courses required for all majors:**
(51-52 hours)
Listed above.
- Advanced Courses in the Department:**
(9 hours)
PHYS 311 Thermodynamics
PHYS 417 Quantum Physics
One additional physics elective at the 300 level or above

 Summary of Requirements for Engineering Physics Track

1. Courses required for all majors:*(51-52 hours)*

Listed above.

2. Elective Hours in the Department: (9 hours)

With permission of the Department Chair, as many as 6 credits of mechanical engineering or electrical engineering at the 200 level or above may be applied.

 Summary of Requirements for Teaching Certification Option in Physics

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

- Complete the BA/BS in Physics - Traditional Physics Track.
- Meet the phase admissions requirements summarized in the Educational Professions section.
- Complete the professional education sequence described in Education: Secondary School Programs.

Applied Physics

Bachelor's/Master's Collaborative Program

Dual-degree Program

Coordinator:

Oguz Soysal, Chair
Department of Physics and Engineering

- Frostburg State University students may apply three FSU physics courses (nine credit hours) towards an undergraduate degree in Physics from FSU and towards a master's degree in Applied Physics from the University of Maryland, Baltimore County. The three courses which have UMBC equivalents are:
 - PHYS 312
 - PHYS 313
 - PHYS 417

- Since the Applied Physics program at UMBC normally requires 30 credit hours of graduate work, a student in the BS/MS program will be required to complete a minimum of only 141 hours to earn both the BS and MS degrees.

Hours Required at FSU	120
Hours Required at UMBC	21
Total Hours Required	141

 Summary of Program Requirements at FSU:

1. Completion of all requirements for the physics major at Frostburg State University.
2. Completion of the following FSU courses as physics electives: PHYS 313 and PHYS 417.
3. Completion of all Frostburg State University general education and basic baccalaureate requirements.
4. Completion of a total of at least 120 semester hours at FSU.

 Requirements for Formal Admission to the Program through UMBC:

1. An application submitted to the FSU Physics Department Chair at the beginning of the junior year. This will include an application form, undergraduate transcripts and three letters of recommendation.
2. A minimum cumulative grade point average of 3.0.
3. Formal application to the UMBC Graduate School for admission to the Applied Physics MS program by December of the senior year. Application procedures are described in the UMBC Graduate Catalog.

Political Science

	For Major	For Minor
Hours Required in Political Science:	39	21
Hours Required in Other Departments:	0	0
Total Hours Required:	39	21

Major

Minor

Professors:

Andorfer, Bowman, Simpson

Associate Professors:

Hartlaub, D. Lewis,
O'Rorke, Twing (Chair)

Assistant Professor:

S. Johnson

- Only courses in which you earn a grade of C or better will count towards satisfaction of major or minor requirements.
- Required exit examination administered by department every semester.
- An internship is optional. POSC 492 counts as elective credit toward POSC major; POSC 495 counts as general elective credit.

**Seminar courses may be applicable to the distribution requirements with the prior approval of the department chair.*

Summary of Requirements for Major/Minor in Political Science

Major	Minor
<p>1. Introductory Level Courses: (6 hours) POSC 110/112 Introduction to American Politics (GEP Group D) <i>and one of the following:</i> POSC 113/114 Introduction to World Politics (GEP Group D) or POSC 131 Introduction to Comparative Politics (GEP Group D or F)</p> <p>2. Research Methods: (3 hours) POSC 311 Research Methods</p> <p>3. Distribution within Department: (24 hours) <i>Select three courses in one of the following 6 groups, and one course in each of the remaining 5 groups.*</i> GROUP I American Political Institutions POSC 321 American State & Local Politics POSC 323 Public Administration POSC 324 Criminal Justice Systems in Action POSC 421 American Legislative Politics POSC 422 American Constitutional Law I POSC 423 American Constitutional Law II POSC 427 The American Presidency GROUP II Comparative Politics POSC 330 Politics of Africa POSC 331 Politics of Latin America POSC 332 Politics of Middle East POSC 333 Politics of Western Europe POSC 334 Politics of Eastern Europe POSC 431 Russian Politics POSC 434 Comparative Legal Systems POSC 435 Model Organization of American States GROUP III International Politics and Foreign Policy POSC 341 International Organization POSC 342 Foreign Policy of the United States POSC 441 International Relations: Theory and Practice POSC 442 National Security Policy Group IV Policy Studies POSC 352 Interest Groups and Public Policy POSC 355 Public Budgeting POSC 358 American Public Policy POSC 450 Environmental Public Policy POSC 455 Public Program Evaluation POSC 456 Urban Politics and Policies GROUP V Political Behavior POSC 361 Public Opinion and Political Behavior POSC 362 Political Parties and Elections POSC 363 Media and Politics POSC 365 Women and Politics POSC 462 Personality and Politics GROUP VI Political Theory POSC 370 Introduction to Political Thought POSC 470 Seminar in Political Thought POSC 471 American Political Thought</p> <p>4. Free Elective Hours in Department: (6 hours)</p>	<p>(6 hours) POSC 110/112 Introduction to American Politics (GEP Group D) <i>and one of the following:</i> POSC 113/114 Introduction to World Politics (GEP Group D) or POSC 131 Introduction to Comparative Politics (GEP Group D or F)</p> <p>(15 hours)</p>

Psychology

	For Major	For Minor
Hours Required in Psychology:	33-34	18-21
Hours Required in Other Departments:	16	0
Total Hours Required:	49-50	18-21

Major

Minor

Certificate in Child and Family Psychology

Professors:

Baxter, Bristow, Herzog,
Peterson (Chair), Santoro,
Southerly

Associate Professors:

Bensley, Edwards

Assistant Professors:

Bradley, Buckner, Redmond

- Majors may elect a pre-professional option, an internship option and/or a child and family certificate.
- Majors must earn a grade of C or better in ENGL 101, Advanced Composition, and MATH 209, Probability and Statistics to satisfy major requirements.
- Only psychology courses in which you earn a grade of C or better will count towards satisfaction of major and minor requirements, with the exception that you must pass PSYC 297 to satisfy major requirements.
- Psychology faculty also coordinate the Addictions Counseling Certificate and the Addictions Counseling Preparation program (see separate section of this catalog).

Summary of Requirements for Major/Minor in Psychology

Major	Minor
<p>1. Introductory Course: (3 hours) PSYC 150 General Psychology or PSYC 151 Honors: General Psychology (GEP Group D)</p>	<p>(3 hours) PSYC 150 General Psychology or PSYC 151 Honors: General Psychology (GEP Group D)</p>
<p>2. Research Methods: (8 hours) PSYC 300 Research Methods I PSYC 301 Research Methods II</p>	<p>(3 hours) PSYC 311 Survey of Research Methods in Psych. or a departmentally approved research methods course substitution</p>
<p>3. Distribution within Department: (12-13 hours) Select one course in each of four groups.</p> <p>GROUP I Developmental PSYC 210 Child Development PSYC 212 Adolescence and Adulthood</p> <p>GROUP II Physiological Basis of Behavior PSYC 306 Sensation and Perception PSYC 386 Drugs and Human Behavior PSYC 420 Physiological Psychology PSYC 430 Health Psychology</p> <p>GROUP III Learning PSYC 307 Experimental Analysis of Behavior PSYC 409 Human Learning and Cognition PSYC 485 Behavioral Approaches to Human Problems</p> <p>GROUP IV Personality/Social PSYC 414 Theories of Personality PSYC 417 Psychology of Abnormal Behavior PSYC 418 Social Psychology PSYC 489 Child and Adolescent Disorders</p>	<p>(0 hours)</p>
<p>4. Elective Hours in Department: (6 hours) 2 additional courses, at least one of which must be at the 300 or 400 level</p>	<p>(12-15 hours) 4 additional courses, at least two of which must be at the 300 or 400 level OR 5 additional courses, at least two of which must be at the 300 or 400 level if a course outside of psychology has been substituted for the Research Methods requirement.</p>
<p>5. Introduction to the Profession of Psychology: (1 hour) PSYC 297 Introduction to the Profession of Psychology</p>	
<p>6. Senior Integrative Experience: (3 hours minimum) Select one of the following: PSYC 497 Senior Seminar PSYC 481 History and Systems of Psychology Pre-professional Option Internship Option</p>	
<p>7. Required Courses in Other Departments (16 hours) CMST 102/112* Introduction to Human Communication or CMST 122 Introduction to Public Speaking COSC 100/110* Introduction to Computer Science (Tech. Fluency)</p>	

* Honors equivalent

MATH 209/219* Elements of Applied Probability and Statistics (*Core Skill 3*)
 BIOL 109 Human Biology and the Environment *or* BIOL 149 General Biology I (*GEP Group C*)
 ENGL 308 Social Sciences Advanced Composition *or* ENGL 310/312* Advanced Composition
or ENGL 338 Technical Writing (*Core Skill 2*)

Requirements for Pre-professional Option

1. **Complete Psychology major** - described above.
 You must have a minimum 3.0 grade point average in the major.
2. **Required Course Work in Psychology:**
 PSYC 420 Physiological Psychology (*may be used to satisfy Group requirements for the major above.*)
The following may be used to satisfy elective requirements for the major above:
 PSYC 470 Advanced Experimental Psychology
 PSYC 481 History and Systems of Psychology
 PSYC 499 Psychology Projects (*with senior thesis and oral presentation*).
3. **Attendance at a Pre-professional Orientation Meeting.**

Requirements for Internship Option

1. **Complete the Psychology major** - described above.
 You must have a minimum 3.0 grade point average in the major; or if your psychology GPA is between 2.75 and 3.0, you must pass a comprehensive examination covering all areas of psychology.
2. **Required Background in Psychology:**
 Pass a departmental ethics examination and complete specific courses required for different types of internships. (See the department guide.)
3. **Internship Orientation Meetings:**
 Attend 2 internship orientation meetings: 1 at least 2 semesters before interning, and 1 in the semester preceding the internship.
4. **Complete a resumé and an internship proposal.**
5. **Complete PSYC 495 Internship in Psychology with a grade of P and PSYC 492 Internship Seminar with a C or better.**

Requirements for Child and Family Psychology Certificate

1. **Complete Psychology major** - described above.
2. **Required Course work in Psychology that must be taken in sequence (12 hours minimum):**
(May be used to satisfy group and elective requirements for the major above)
 - A) PSYC 150/151 General Psychology
 - B) PSYC 210 Child Development *or* PSYC 212 Adolescence and Adulthood
 - C) PSYC 489 Child and Adolescent Disorders
 - D) **One of the following 400 level learning experiences:**
 PSYC 404 Psychology of the Exceptional Child
 PSYC 440 Survey of Family Psychology and Intervention Issues
 PSYC 490 Special Topics in Psychology involving children and/or adolescents
 PSYC 492/495 Internship in Psychology involving children and/or adolescents
 PSYC 498 Readings in Psychology involving children and/or adolescents
 PSYC 499 Psychology Projects involving research concerning children and/or adolescents
3. **Attendance at a Child and Family Psychology Certificate Orientation Meeting.**
 Attend at least one child and family orientation meeting in a semester prior to taking PSYC 489 Child and Adolescent Disorders.
4. **Recommended Additional Courses:**
 - A) PSYC 303 Psychology of Marriage
 - B) PSYC 485 Behavioral Approaches to Human Problems
5. **A certificate of completion of the Child and Family Psychology program will be awarded to Psychology majors who complete the above requirements.**

Public Administration

Certificate

Coordinator:

John O'Rorke, Associate Professor, Department of Political Science

Total Hours Required: For Certificate
12

The certificate in public administration is open to:

- degree-seeking students in any major who would like to explore the public sector as a possible area of future employment, and
- non-degree seeking members of the community who would like to obtain employment in the public sector or who already work in public administration and desire to upgrade their skills.

Summary of Requirements for Certificate in Public Administration

POSC 110/112 Introduction to American Politics
 POSC 323 Public Administration
 POSC 355 Public Budgeting
 POSC 455 Public Program Evaluation

Public Relations

Minor

Coordinator:

A. Franklin Parks, Professor, Department of English

Participating Faculty:

Professors:

A.F. Parks (English), Routhier (Communication Studies)

Assistant Professors:

Cheon (Marketing and Finance), Chu (Marketing and Finance), Ewers (English), Finke (Visual Arts), Hodges (Visual Arts), Lombardi (Mass Communication)

- You cannot major in Public Relations.

Total Hours Required: For Minor
24

Summary of Requirements for Minor in Public Relations

Minor

1. Courses in Communication Studies:

(6 hours)

CMST 300 Interpersonal Communication
 or CMST 322 Presentational Communication
 CMST 312 Language Behavior and Communication

2. Courses in English:

(6 hours)

ENGL 336 Journalistic Writing
 ENGL 436 Advanced News and Feature Writing

3. Courses in Other Departments:

(12 hours)

ART 207 Graphic Design (*Tech. Fluency*)
 ART 235 Photography
 MCOM 212 Video Production Industry
 MKTG 361 Principles of Marketing

Recommended Additional Courses:

The following courses are recommended but not required for the minor in Public Relations. These courses provide valuable background for the course work in the minor:

ART 104	Two-dimensional Design
BUAD 100	Introduction to Business
CMST 122	Introduction to Public Speaking
ECON 200	Basic Economics (<i>GEP Group D</i>)

Social Work

	For Major
Hours Required in Social Work	48
Hours Required in Other Departments	19
Total Hours	67

Major

Professor:

Connelly, B. Wright

Associate Professors:

Powell, Russell (Chair)

- Since the Social Work curriculum is highly sequential in design, students who begin their course of study after the first semester of their sophomore year will often need more than four years to complete the program
- Only courses in which a grade of C or better is earned will count toward satisfaction of major requirements.
- Academic credit is not given for life or work experiences.
- The Social Work program has a competitive admissions process. Department faculty reserve the right to select those candidates who demonstrate the greatest potential for developing as professional social workers.
- Students with a degree in social work are eligible to earn Maryland State certification as addiction counselors. Several social work courses count towards the requirements. See the Addictions Counselor Preparation section of this catalog.

The major in Social Work is designed to prepare you for generalist practice. It is built upon a liberal arts foundation and provides you with the knowledge, values, and skills needed to help individuals, families, groups, organizations and communities.

Content in the major forms the foundation for professional practice. The curriculum covers values and ethics, diversity, social and economic justice, populations-at-risk, human behavior and the social environment, social welfare policy and services, social work practice, research and field practicum. All students are required to complete a full-time internship which constitutes the last semester of the senior year.

Graduates with a major in Social Work may begin professional practice in a variety of fields including mental health, aging, family and children's services, health care, addictions, juvenile and adult corrections, developmental disabilities, and community planning and development.

The Social Work program is accredited by the Council on Social Work Education (CSWE). Graduates of the program are eligible to apply to take state social work licensure exams at the baccalaureate level and to compete for employment positions where such a license is required. In addition, qualified graduates may also apply for advanced standing in graduate schools of social work which allows for completion of a Master's degree in less time than it would otherwise take. Contact the Department Chair for further information.

Requirements for Admission to the Social Work Program

Applicants must meet the following admissions requirements in order to be accepted into and complete the Social Work program.

Enrollment in the program is controlled by the number of slots available in the program at the time of admission. Admissions decisions are based on a competitive process. Application deadlines for all students, including transfer students, are established each semester by the program and publicly announced by the department.

Admission Requirements

1. Completion of at least 30 credit hours
2. Cumulative GPA of at least 2.3 (or recommendation of faculty member)
3. Completion of a declaration of major form
4. Completion of an application to the Social Work program which includes a self statement and three letters of reference (Application packets are available from the department.)
5. Completion of SOWK 370 with a grade of C or better.
6. Approval of the Social Work Department Admissions Committee (which may require a personal interview with the Social Work faculty). The Admissions Committee may award special provisional admission.

Graduation Requirements

1. Completion of SOWK 492 with a grade of C or better and SOWK 495 with a grade of P
2. Cumulative GPA of at least 2.3 both overall and in courses required for the major.
3. Meet program performance standards set by the department as measured by a standardized exit exam. Students who do not successfully meet these standards will be given additional opportunities to repeat the exam but only at their own expense.
4. Completion of an exit interview with the Social Work faculty

Dismissal Policy

The following constitute grounds for dismissal from the Social Work program:

1. Inability to meet the academic requirements of the program
2. Failure to address and correct deficiencies in competencies cited at last assessment review
3. Violations of the National Association of Social Workers' Code of Ethics (Copies of the Code are available from the Department of Social Work.)
4. Violations of FSU's Student Code of Conduct as outlined in the *Pathfinder* which would result in a referral to the University's Judicial System.

A grievance procedure for protecting students' rights to due process is outlined in the Social Work Student Handbook available from the Department of Social Work.

Summary of Requirements for Major in Social Work

Major

1. Social Work Courses:*(48 hours)*

SOWK 305 Racial and Cultural Minorities (*GEP Group F*)
 SOWK 310 Statistics for Social Science
 SOWK 311 Basic Research Methods
 SOWK 370 Introduction to Social Welfare and Social Work
 SOWK 371 Social Policy
 SOWK 375 Human Behavior and the Social Environment I
 SOWK 377 Human Behavior and the Social Environment II
 SOWK 379 Foundations for Generalist Practice
 SOWK 470 Generalist Practice with Individuals and Families
 SOWK 471 Generalist Practice with Communities and Organizations
 SOWK 473 Generalist Practice with Groups
 SOWK 492 Social Work Seminar
 SOWK 495 Internship in Social Work

2. Courses in Other Departments:*(19 hours)*

SOCI 100 or 111 Introduction to Sociology (*GEP Group D*)
 SOCI 200 Social Problems
 COSC 100 Introduction to Computer Science (*Tech. Fluency*)
 PSYC 150 or 151 General Psychology (*GEP Group D*)
 POSC 110 or 112 Introduction to American Politics (*GEP Group D*)
 BIOL 109 Human Biology and the Environment (*GEP Group C*)

Sociology

	For Major		For Minor
	General Track	Applied Social Research	
Hours Required in Sociology:	33	36	18
Hours Required in Other Departments:	3	6	0
Total Hours Required:	36	42	18

Major

Minor

Summary of Requirements for Major/Minor in Sociology

Major

Minor

Tracks in:

- general sociology
- applied social research

Option in data analysis

Professor:

Connolly

Associate Professors:

Moore, Olson, Russell
(Chair)

Assistant Professors:

McMullen, Selby

- Sociology majors may choose either the General Sociology Track or the Applied Social Research Track.
- Sociology majors may elect an option in Data Analysis

1. Basic Courses:*(6 hours)*

SOCI 100/111 Intro. to Sociology (*GEP Group D*)
 SOCI 200 Social Problems

(6 hours)

SOCI 100/111 Intro. to Sociology (*GEP Group D*)
 SOCI 200 Social Problems
 or SOCI 203 Sociology of Deviant Behavior

2. Methods and Theory*(12 hours)***General Sociology Track:**

SOCI 310 Statistics for Social Science
 SOCI 311 Basic Research Methods
 SOCI 450 Classical Sociological Theory
 SOCI 451 Contemporary Sociological Theory

Applied Social Research Track:

SOCI 310 Statistics for Social Science
 SOCI 311 Basic Research Methods
 SOCI 312 Applied Social Research
 SOCI 450 Classical Sociological Theory

3. Distribution within Department:**General Sociology Track:** *(15 hours)*

*3 courses in one of the following subfields; 1 course in each of the others:**

(12 hours)

*2 additional courses in one subfield, 1 course in each of the others:**

- For departmental courses above the 100 level in the Sociology major, only courses in which a grade of C or better is earned will count toward satisfaction of major requirements.
- The Sociology major may be completed on the Frostburg campus or at the University System of Maryland at Hagerstown.

Applied Social Research Track: (9 hours)

*One course in each of the following subfields:**

Subfield I: Social Institutions and Structures

SOCI 305 Racial and Cultural Minorities (*GEP Group F*)

SOCI 362 Sociology of Religion

SOCI 364 Marriage and Family Relationships

SOCI 366 Social Inequality

SOCI 367 Sociology of Medicine

SOCI 436 Sociological Aspects of Mass Communication

Subfield II: Social Behavior

SOCI 203 Sociology of Deviant Behavior

SOCI 306 The Sociology of African Americans

SOCI 332 Collective Behavior

SOCI 334 Gender and Social Life

SOCI 340 Criminology

SOCI 442 Juvenile Delinquency

SOCI 443 The American Correctional System

SOCI 468 Sociology of Later Life

Subfield III: Community and Society

SOCI 224 Cultural Anthropology

SOCI 322 Social Demography

SOCI 325 Community Analysis

SOCI 326 Sociology of Rural Life

SOCI 328 Sociology of Urban Life

4. Internship Requirement: (0 hours)

General Sociology Track: *optional*

Applied Social Research Track: *9-15 hours required:*

SOCI 492 Internship Seminar

SOCI 495 Internship

5. Required Courses in Other Departments:

General Sociology Track: *(3 hours)*

(0 hours)

COSC 100 Intro. to Computer Science (*Tech. Fluency*)

Applied Social Research Track: *(6 hours)*

COSC 100 Intro. to Computer Science (*Tech. Fluency*)

COSC 220 Intro to Software Applications

Summary of Requirements for Option in Data Analysis

1. Required Courses in Sociology:

(9 hours)

SOCI 312 Applied Social Research

SOCI 325 Community Analysis

SOCI 499 Individual Problems in Sociology

2. Required Courses in Other Departments:

(9 hours)

COSC 100 Introduction to Computer Science (*Tech. Fluency*)

ENGL 338 Technical Writing (*Core Skill 2*)

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

Theatre

	For major	For minor
Hours Required in Theatre	45	21
Hours Required in Other Disciplines:	6	3
Total Hours Required:	51	24

Major

Minor

Tracks in:

- acting
- directing
- production/design

Professor:

McCulloch

Associate Professor:

Kagey (Chair),

Assistant Professors:

Mattis, Yost-Rushton

- You must have a 2.7 cumulative GPA in all theatre courses to meet graduation requirements.
- Legal residents of Delaware may complete a theatre degree (acting or directing track) at Maryland resident tuition rates through the SREB Academic Common Market (see Admissions section of this catalog).

Summary of Requirements for Major/Minor In Theatre

Major Concentration

Minor

1. Core Courses in Theatre:

(33 hours)

THEA 104 Theatre (3 hours; one hour **must** be in a production area)

THEA 106 Introduction to Theatre (GEP Group A)

THEA 107 Introduction to Theatrical Vision (GEP Group A)

THEA 110 Basic Acting

THEA 206 Modern American Drama (also offered as ENGL 206)

THEA 308 Directing

THEA 425 History of Theatre I

THEA 426 History of Theatre II

THEA 427 History of Theatre III

THEA 431 World Drama I (also offered as ENGL 431)

THEA 432 World Drama II (also offered as ENGL 432)

(12 hours)

THEA 106 Introduction to Theatre (GEP Group A)

THEA 107 Intro. to Theatrical Vision (GEP Group A)

THEA 110 Basic Acting

THEA 308 Directing

2. Theatre Tracks:

(12 hours)

You must complete 12 hours in one of the following tracks:

a. Acting

THEA 208 Acting: Stanislavskian Approaches

THEA 318 Acting: Analysis and Performance

THEA 319 Acting in Pre-Modern Drama

THEA 420 Marketing Yourself as an Actor

b. Directing

THEA 309 Experiences in Scripting and Staging

THEA 325 Advanced Directing

THEA 466 Projects in Directing

and select one from:

THEA 204 Stagecraft

THEA 305 Scene Design

THEA 306 Stage Lighting

THEA 307 Costume Design

Or, with department permission, a second THEA 466 Projects in Directing.

c. Production/Design

Choose two of the following:

THEA 305 Scene Design

THEA 306 Stage Lighting

THEA 307 Costume Design

THEA 465 Projects in Theatrical Design

Choose one of the following (must have departmental permission):

THEA 400 Theatre Production

THEA 493 Field Work in Theatre Practice

THEA 499 Directed Study (production/design focus)

d. General Theatre

Nine hours of electives in Theatre; six must be at 300-level or higher.

Plus one of the following:

ENGL 290 Topics in Language and Literature

ENGL 340 Shakespeare

3. Additional Theatre Electives:

(0 hours)

(9 hours)

You must select additional courses, for a total of 9 hours, from any Theatre courses not already used to fulfill a Theatre minor requirement.

4. Required Courses in Other Disciplines:

(6 hours)

(3 hours)

CMST 102 Intro. to Human Communication

CMST 102 Intro. to Human Communication

COSC 100 Introduction to Computer Science

(Tech. Fluency)

Urban and Regional Planning

	For Major
Hours Required in Geography:	31-43
Hours Required in Other Departments:	27-39
Total Hours Required:	70

Summary of Requirements for Major in Urban and Regional Planning

Major

Major

Coordinator:

Henry Bullamore, AICP,
Professor, Department of
Geography

Participating Faculty

Professors:

Caupp (Geography), Dalton
(Economics), Neral
(Economics), Precht
(Geography), B. Wright
(Social Work)

Associate Professors:

Hartlaub (Political
Science), Kauffman (HPER),
Moore (Sociology), O'Rorke
(Political Science), Powell
(Social Work), Stair
(Economics), G. White
(Geography), Saku
(Geography)

Assistant Professor:

Kessler (Geography)

1. Introductory Level Courses:

(25 hours)

- CMST 102 Introduction to Human Communication *or* CMST 122 Introduction to Public Speaking
- ECON 202 Principles of Economics (Micro)
- GEOG 103 Physical Geography (*GEP Group C*)
- GEOG 104 Human Geography (*GEP Group D or F*)
- GEOG 275 Introduction to Spatial Analysis (*Tech. Fluency*)
- MATH 209 Elements of Applied Probability and Statistics (*Core Skill 3*)
- POSC 110 Introduction to American Politics (*GEP Group D*)
- SOCI 100 Introduction to Sociology (*GEP Group D*)

2. Professional Core Courses:

(33 hours)

- ECON 404 Public Sector Economics
- ENGL 338 Technical Writing *or* ENGL 308 Social Sciences Advanced Composition
or ENGL 310 General Advanced Composition (*Core Skill 2*)
- GEOG 310 Fundamentals in the Mapping Sciences
- GEOG 317 Geographic Information Systems
- GEOG 324 Urban Geography: Internal City Patterns
- GEOG 325 Urban Geography: Metropolitan Systems
- GEOG 380, SOCI 311 *or* POSC 311 Research Methods
- GEOG 421 Regional Planning
- GEOG 450 Urban Planning
- POSC 323 Public Administration
- SOCI 328 Sociology of Urban Life

3. Electives:*

(6 hours from courses listed below or courses for another focus in 4.)

- ECON 408 Urban and Regional Economics
- ECON 410 Resource and Environmental Economics
- ENES 100 Introduction to Engineering Design

- This is an interdisciplinary program.
- See the Department of Geography for advising.

- You may not minor in Urban and Regional Planning.
- Frostburg State University is a member of the Association of Collegiate Schools of Planning.
- Completion of the major requirements leads to the professional degree of Bachelor of Science in Urban and Regional Planning. In addition to the requirements listed, degree candidates must meet all requirements listed in the current FSU Undergraduate Catalog for the Bachelor of Science.

GEOG 406 Management and Conservation of Natural Resources
 GEOG 410 Locational Analysis
 GEOG 425 Geography of Transportation
 GEOG 471 Engineering for Land Development
 POSC 358 American Public Policy
 POSC 456 Urban Politics and Policies
 RECR 201 Introduction to Recreation and Parks
 RECR 342 Park and Facility Design
 RECR 443 Current Issues & Legal Liability in Recreations and Parks
 SOCI 200 Social Problems
 SOCI 305 Racial and Cultural Minorities (*GEP Group F*)
 SOCI 322 Demography
 SOWK 371 Social Policy

4. Advanced Planning Focus:*
(6 hours, select one focus)

Community Planning

SOCI 326 Sociology of Rural Life *or* SOWK 370 Introduction to Social Welfare
 SOCI 325 Community Analysis

Tourism Development

GEOG 454 Geography of Tourism
 GEOG 455 Tourism Planning

Mapping Science

Select two from:

GEOG 412 Geographic Visualization
 GEOG 413 Remote Sensing—Aerial Photo Interpretation
 GEOG 414 Digital Image Processing and Analysis
 GEOG 417 Advanced Geographic Information Systems

Environmental Planning

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

** Completion of Introductory Level and Professional Core courses will fulfill prerequisites for most of these courses. Additional prerequisites may apply for POSC 456, SOWK 371, and GEOG 471.*

Wildlife & Fisheries

Major

See related programs:

- biology
 - pre-health option
 - biotechnology
 - environmental science
- environmental analysis & planning
- forestry
- interpretive biology & natural history

Coordinator:

Ronald Barry, Professor,
Department of Biology

Professors:

Barry, Harman, Morton,
Riley, Yoder

Associate Professors:

Pegg, Raesly, Seddon
(Chair), Serfass, Shumway

Assistant Professors:

Ammer, Fritz, Li

Instructor:

Lyon

- A Wildlife/Fisheries major must complete courses listed from Sections 1 and 2, and choose courses from either Section 3 or Section 4 (or both).
- There is no minor in Wildlife/Fisheries.
- Students intending to further their education in graduate school are also encouraged to take one semester of Organic Chemistry.

	For Major
Hours Required in Biology:	50-60
Hours Required in Other Departments:	30-31
Total Hours Required:	80-91

Students completing the program as listed meet all educational requirements for their certification by The Wildlife Society or American Fisheries Society (depending upon the option chosen) and will meet educational requirements for scientific research positions in Wildlife Biology or Fisheries Biology for federal agencies.

Summary of Requirements for Major in Wildlife & Fisheries

Major

1. Common Courses in Biology:

(33 hours)

BIOL 149 General Biology I (*GEP Group C*)
 BIOL 150 General Biology II
 BIOL 200 Scientific Investigation and Communication
 BIOL 302 Animal Physiology
 BIOL 327 Comparative Anatomy
 BIOL 340 General Ecology
 BIOL 350 Genetics
 BIOL 414 Quantitative Analysis of Vertebrate Populations
 BIOL 425 Forest Science

2. Required Courses in Other Departments:

(30-31 hours)

CHEM 101, 102 General Chemistry I and II (*CHEM 101 - GEP Group C*)
 CMST 102 Introduction to Human Communication
 ENGL 339 Scientific Writing (*Core Skill 2*)
 or ENGL 338 Technical Writing (*Core Skill 2*)
 GEOG 103 Physical Geography (*GEP Group C*)
 GEOG 472 Environmental Planning
 GEOG 473 Environmental Law
 MATH 209 Elements of Applied Probability and Statistics (*Core Skill 3*)
 MATH 220 Calculus for Applications I
 or MATH 236 Calculus I (*Core Skill 3*)

3. Additional Courses for Wildlife Option:

(26-27 hours)

BIOL 230 Wildlife Techniques
 BIOL 303 Plant Physiology
 BIOL 305 Dendrology
 BIOL 314 Plant Taxonomy
 BIOL 421 Sample Design and Analysis of Plant Communities
 BIOL 450 Ecology & Management of Wildlife Populations
 plus two courses from:
 BIOL 406 Ornithology
 BIOL 422 Herpetology
 BIOL 423 Mammalogy

4. Additional courses for Fisheries Option:

(17 hours)

BIOL 417 Ichthyology
 BIOL 420 Fish Management and Culture
 BIOL 430 Introductory Limnology
 CHEM 420 Environmental Chemical Analysis
 GEOG 430 Surface Water Hydrology

Women's Studies

For Minor

Total Hours Required:

18

Minor

Summary of Requirements for Minor in Women's Studies

Minor

Coordinators:

Linda G. McCulloch, Professor,
Department of Theatre
Randall Rhodes, Associate
Professor, Department of
Visual Arts

Participating Faculty:**Professors:**

Bristow (Psychology),
McCulloch (Theatre),
Lutz (English), Santoro
(Psychology)

Associate Professors:

Boniece (History), Kroeger-
Mappes (Philosophy), Moore
(Sociology), O'Rorke (Political
Science), Rhodes (Visual Arts)

Assistant Professors:

Mattis (Theatre), Sanchez
(Foreign Languages),
Redmond (Psychology)

- Women's Studies is a multicultural and multidisciplinary minor.
- You cannot major in Women's Studies.

1. Required Courses:*(6 hours)*

WMST 201 Introduction to Women's Studies (*GEP Group F*)
WMST 491 Seminar in Women's Studies

2. Elective Courses:*(12 hours)**Select from among:*

ART 370 Women/Gender and the Visual Arts
THEA 428 Women Through Theatre
ENGL 290 Topics in Language & Literature (*when content is appropriate*)
ENGL 450 Women and Literature
HIST 436 Women's Issues in World History (*GEP Group F*)
MUSC 250 Women in Music (*GEP Group F*)
PHIL 409 Philosophy and Women (*GEP Group F*)
POSC 365 Women and Politics
PSYC 220 Psychology of Women (*GEP Group F*)
PSYC 270 Psychological Perspectives of Human Sexuality
SOCI 334 Gender and Social Life
SOCI 364 Marriage and Family Relationships
SOCI 366 Social Inequality
SOCI 466 Women, Health, and Healing
WMST 301 Latin American Women's Issues
WMST 486 Women, Science and Society
WMST 494 Practicum in Women's Studies (*a maximum of 3 credits may be applied to the minor*)
WMST 499 Independent Study