



2002-2003 Supplement

to the 2001-2003 Undergraduate Catalog

This supplement describes changes in degree and major requirements that apply to you if you first enroll in college during the 2002-2003 academic year. All other provisions of the 2001-2003 Undergraduate Catalog still apply to you, and this supplement should be used in conjunction with that catalog.

Also included are updates and descriptions of new programs and courses available beginning in the 2002-03 academic year.

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Frostburg State University is an Affirmative Action/Equal Opportunity institution. Admission as well as all policies, programs and activities of the University are determined without regard to race, color, religion, sex, national origin, age or handicap.

FSU is committed to making all of its programs, services and activities accessible to persons with disabilities. You may request accommodations through the ADA Compliance Office, 307 Hitchins, 301/687-4102, TDD 301/687-7955.

The provisions of this catalog are not to be regarded as an irrevocable contract between the University and the student. The University reserves the right to change any provisions of requirement at any time, but its practice is to not make changes in degree and admission requirements retroactive. Other regulations and procedures, tuition and fees, and course offerings may change during the period of your enrollment. Such changes will be published in official University publications such as the Undergraduate Catalog and Schedule Booklet, with prior notice of changes provided.

Frostburg State University is a constituent institution of the University System of Maryland.

Academic Calendar 2002-2003

Fall Semester 2002

Testing - new non-registered students only	August 29
Advising and Registration - new non-registered students only	August 30
Residence halls open 9 a.m.	September 1
Labor Day - no classes	September 2
Classes begin	September 3
Late registration/drop/add	September 3 - 10
Last day to add classes	September 10
Parents' Weekend	October 4-6
Last day for removal of incomplete grades - undergrad. students	October 14
Mid-semester warnings distributed to undergraduate students	October 15
Homecoming	October 24-27
Last day to withdraw with W - undergraduate students	October 28
Spring 2003 & Intersession registration, without payment	Nov. 4 - Nov. 22
Intersession registration, with payment	Nov. 25 - Dec. 13
Residence Halls close - 7 p.m.	Nov. 27
Thanksgiving Recess	Nov. 28 - Dec. 1
Residence Halls open - noon	December 1
Classes resume	December 2
Last day to withdraw from courses with WF	December 13
Last day of classes	December 13
Reading Days/Common Finals	Dec. 14 - 15
Intersession course cancellations	December 16
Late Intersession registration, with late fees	Dec. 16 - Jan. 2
Final Exams	Dec. 16 - 20
Residence halls close 7 p.m.	December 20
Commencement	December 21

Spring Semester 2003

Testing, new non-registered students only	January 24
Residence halls open-9 a.m.	January 26
Advising and Registration - new non-registered students only	January 27
Classes begin	January 28
Late registration/drop/add	Jan. 28-Feb.4
Last day to add classes	February 4
Summer school registration (without late fees)	March 3 - May 9
Last day for removal of incomplete grades - undergraduate students	March 10
Mid-semester warnings distributed to undergraduate students	March 11
Last day to withdraw from courses with W - undergraduate students	March 21
Residence Halls close - 7 p.m.	March 21
Spring Break	March 22-30
Residence Halls open - 12 noon	March 30
Classes resume	March 31
Fall 2003 registration	April 7 - 25
Late registration for Summer, with late fees	May 12 - 29
Summer sessions course cancellations	May 14
Last day to withdraw from courses with WF	May 14
Last day of classes	May 14
Reading Day	May 15
Final Exams/Common Exam	May 16
Common Exams	May 17
Reading Day	May 18
Final Exams	May 19-22
Residence halls close 7 p.m.	May 22
Honors Convocation	May 23
Commencement	May 24

Intersession 2003

Residence halls open, noon	Jan. 1
Classes begin	Jan. 2
Martin Luther King Day, no classes	Jan. 20
Last day of classes	Jan. 24

Summer Sessions 2003

First Summer Session	May 27-July 3
Second Summer Session	July 7-Aug. 13
Internship Session	May 27-Aug. 19
MBA Session	May 27-Aug. 7

Calendar subject to change without notice.

Expenses 2002-2003

Replaces page 14 of the 2001-2003 Undergraduate Catalog

This information applies to the academic year 2002-2003 only. All charges for tuition, room and board, and other fees and expenses are subject to change at any time by Frostburg State University and/or the Board of Regents of the University System of Maryland.

Tuition

Tuition for legal residents of Maryland is \$1,816 per semester plus all other applicable fees at the University. Tuition for out-of-state students is \$4,719 per semester plus all other applicable fees at the University. Tuition for residents of the contiguous counties* is \$3,632 per semester plus all other applicable fees at the University.

Evening and part-time tuition is \$150 per credit hour for resident undergraduate students, \$266 per credit hour for non-resident undergraduate students, \$197 per credit hour for resident graduate students, and \$229 per credit hour for non-resident graduate students.

Summer tuition is \$150 per credit hour for resident undergraduate students, \$266 per credit hour for non-resident undergraduate students, \$197 per credit hour for resident graduate students and \$229 per credit hour for non-resident graduate students.

Students taking courses for audit or pass/fail or courses without credit designation will receive assigned equivalency credit hours for tuition and fee purposes.

Tuition and Fees for Collaborative Engineering Programs - Students enrolled in the electrical or mechanical engineering programs offered by FSU in collaboration with University of Maryland, College Park are subject to a different tuition and fee arrangement due to the unique nature of the program. During the freshman and sophomore years, students pay FSU tuition and fees. After completing 45 credits of designated course work, students will apply for formal acceptance into UMCP's Clark School of Engineering and will be considered UMCP students for the remainder of the program. Students will then pay UMCP tuition rates and FSU fees to the FSU University and Student Billing Office.

Room and Board

The cost for room and board for each University residence hall student varies from

\$5,010 per year to \$6,178 per year. Room contracts are binding for one academic year (fall and spring semesters). All students living in the residence halls are required to purchase a meal ticket for the University dining hall. See the chart below for detailed room and board options and prices.

Mandatory Fees

The following paragraphs explain how the University uses the mandatory fees which students pay. For information on other fees and expenses related to summer and graduate programs, refer to the respective catalogs and bulletins.

Activities Fee: An activities fee of \$65 per semester for full-time students or \$9 per credit hour for part-time students is collected to support student publications, the campus radio station, social activities, student government and a balanced program of cultural events.

Athletic Fee: An athletic fee of \$186 per semester for full-time students and a \$19 per credit hour fee for part-time students is used

Undergraduate Tuition & Fees 2002- 2003

	1st Semester	2nd Semester	Total
Tuition - full time (12 cr. or more)			
Maryland Residents	\$1,816	\$1,816	\$3,632
Out-of-State Residents	4,719	4,719	9,438
Contiguous County Residents	3,632	3,632	7,264

Mandatory Fees

Activities Fee	\$65	\$65	\$130
Athletic Fee	186	186	372
Auxiliary Facilities Fee	65	65	130
Student Union Operating Fee	107	107	214
Technology Fee	60	60	120
Transportation Fee	10	10	20
Total Fees	\$493	\$493	\$986

Total Tuition and Fees

Maryland Residents	\$2,309	\$2,309	\$4,618
Out-of-State Residents	5,212	5,212	10,424
Contiguous County* Residents	4,125	4,125	8,250

Room Charges

Frederick, Westminster	double	\$1,453	\$1,453	\$2,906
All other halls	double	1,420	1,420	2,840
	small single	1,568	1,568	3,136
	large single	1,701	1,701	3,402

Board Charges

Carte Blanche with \$200 bonus bucks	\$1,388	\$1,388	\$2,776
Block Plan -150 meals w/\$100 bonus bucks	1,341	1,341	2,682
14-meal with \$100 bonus bucks	1,269	1,269	2,538
12-meal with \$250 bonus bucks	1,377	1,377	2,754
10-meal with \$75 bonus bucks	1,160	1,160	2,320
Straight 10-meal	1,085	1,085	2,170

Total tuition, fees, room and board**

Maryland Residents	\$5,150	\$5,150	\$10,300
Out-of-State Residents	8,053	8,053	16,106
Contiguous County* Residents	6,966	6,966	13,932

**based on \$2,906 room rate and \$2,776 board rate

*Contiguous counties include Berkeley, Grant, Hampshire, Jefferson, Mineral and Morgan counties in West Virginia; Bedford, Fulton, Franklin and Somerset counties in Pennsylvania; and Loudoun County, Virginia.

All fees subject to change.

to support the University's program in intercollegiate and intramural athletics.

Auxiliary Facilities Fee: An auxiliary facilities fee of \$65 per semester for full-time students and \$6 per credit hour for part-time students is assessed for construction expenses of the auxiliary facilities.

Student Union Operating Fee: A Student Union operating fee of \$107 per semester for full-time students and \$12 per credit hour for part-time students is charged for operating expenses of the Lane Center.

Technology Fee: A Technology fee of \$60 per semester for full-time students or \$8 per credit hour for part-time students is collected to fund technology initiatives for student enhancement.

Transportation Fee: A Transportation fee of \$10 per semester for full-time students and \$1 per credit hour for part-time students is charged, allowing students to ride Allegany Transit Authority buses by showing a student ID.

Other Fees and Expenses

All other fees, payment and refund procedures remain as stated in the 2001-03 Undergraduate Catalog.

All fees subject to change at any time by action of the Board of Regents of the University System of Maryland.

Admission

The following corrections, changes and additions are effective Fall 2002:

College Preparatory Program in High School

Entering first-year students must have 4 units of English; 3 units of social science/history; 3 units of science in at least two different subject areas (with 2 of the units including a laboratory experience); 3 units of mathematics including Algebra I, Algebra II, and

FSU's Teacher Education Report Card

Contextual Information

Table with 2 columns: Metric and Value. Rows include: Total number of students admitted into teacher preparation, all specializations, AY 2000-01 (661); Number of students in supervised student teaching (152); Number of faculty members who supervised student teachers: Full-time faculty in professional education (14), Part-time faculty in professional education but full-time in the institution (3), Part-time faculty in professional education, not otherwise employed by the institution (11); Total faculty student teaching supervisors (28); Student teacher/faculty ratio (5.4); The average number of student teaching hours per week required* (35); The total number of weeks of supervised student teaching required (20); Average total number of hours required (700).

*Student teaching varies by program with most being 20 weeks in the school.

Aggregate and Summary Institutional-level Pass-rate Data: Regular Teacher Preparation Program

Academic Year: 2000-2001

Number of Program Completers: 152¹

Table with 5 columns: Type of Assessment², Number Taking Assessment³, Number Passing Assessment⁴, Institutional Pass Rate, Statewide Pass Rate. Rows include: Aggregate - Basic Skills (152, 148, 97%, 95%); Aggregate - Professional Knowledge (69, 67, 97%, 92%); Aggregate - Academic Content Areas** (186, 175, 94%, 93%); Summary Totals and Pass Rates⁵ (152, 139, 91%, 88%).

¹ The number of program completers found, matched and used in the passing rate calculation will not equal the sum of the column labeled "Number Taking Assessment" since a completer can take more than one assessment.

² Institutions and/or States did not require the assessments within an aggregate where data cells are blank.

³ Number of completers who took one or more tests in a category and within their area of specialization.

⁴ Number who passed all tests they took in a category and within their area of specialization.

⁵ Summary Totals and Pass Rate: Number of completers who successfully completed one or more tests across all categories used by the state for licensure and the total pass rate.

**Math, English, Biology, etc.

See College of Education web site for detailed report.

Geometry; and 2 units of a foreign language or, in Maryland, 2 units of advanced technology (correction of wording in 2001 catalog).

Admission of International Students

TOEFL Score Requirement: A minimum score of 550 (paper-based test) or 213 (computer-based test) is required for admission to the University.

Academic Common Market

The B.A./B.S. in Dance has been added to the list of eligible programs for legal residents of Delaware. All other programs listed in the 2001-2003 Undergraduate Catalog continue to be eligible as of May 2002.

Accreditation

Accreditation update:

- Teacher Education Programs -- Accredited by the National Council for the Accreditation of Teacher Education (NCATE) under the new May 2000 performance standards, approved by the Maryland State Department of Education (MSDE) as consistent with the Maryland Redesign of Teacher Education, and recognized by 14 professional content associations for compliance with national standards.

Courses of Study

Actuarial Science

Major

Change in requirements:

A strong background in mathematics and statistics is essential for persons interested in a career as an actuary. It is an advantage to pass, while still in school, one or more of the examinations offered by either the Society of Actuaries (SOA) or the Casualty Actuarial Society (CAS) in order to gain membership status. An actuarial science minor is available for students majoring in business-related disciplines.

Athletic Training

Major

Director:

James Racchini, Instructor,
Department of Health, Physical
Education and Recreation

- The Athletic Training Program is in candidacy status for accreditation by the Commission on Accreditation of Allied Health Education Programs (CAAHEP).
- Special entrance requirements are designed to insure that students are capable of completing the rigorous curriculum and will have the ability to pass the National Athletic Trainers' Association Board of Certification (NATABOC) exam.
- You must pass the NATABOC exam to become a Certified Athletic Trainer.

	For Major
Hours Required in HPE:	55
Hours Required in Other Departments:	27
Total Hours Required	82

Admission Requirements

To be considered for full admission into the Athletic Training Education Program (ATEP), the student must meet each of the following criteria:

1. Completion of a minimum of 28 semester hours. Transfer students are required to have prerequisite course work approved by the Program Director.
2. A minimum 2.5 overall GPA.
3. A minimum of a "C" grade in each of the following courses:
 - a. BIOL 149 General Biology
 - b. HEED 101 Community Health Promotion
 - c. HEED 103 Foundations of Exercise & Sport Science
4. Satisfactory completion of 50 observational hours in the FSU athletic training room. The student must make arrangements with the Program Director prior to starting observation.
5. A completed formal application for admission into the ATEP including an essay.
6. Two completed recommendation forms from non-Athletic Training faculty members.
7. Completion of a formal interview with the ATEP selection committee.

In addition to the previous criteria, the student must complete a physical examination that includes each of the following:

- Clearance on TB testing
- Meningococcal vaccination
- Hepatitis B vaccination

Application Review Process

1. Students who have met the above minimum requirements will be evaluated on the following scale:

Overall GPA	25 points possible
Prerequisite GPA	25 points possible
Faculty Recommendations	20 points possible
Interview	15 points possible
Application/Essay	15 points possible
	100 points possible

2. The following scale will be used to evaluate the quality of the applicant.

100 – 75 points	Student recommended for full admission
74 - 70 points	Student <i>provisionally admitted</i> for one academic year (if clinical placements available)
Below 70 points	Student rejected for admission/may reapply next academic year
Provisional Admission	Student is admitted into program with the stipulation that he/she must rectify deficiencies identified by the ATEP admission committee by the end of the next academic year

Maintaining Advanced Good Standing in Athletic Training Education Program

Once admitted, the Athletic Training student must maintain the following to remain fully admitted:

1. A minimum overall GPA of 2.5
2. A minimum grade of "C" in each of the required courses in the major
3. Current certifications in First Aid and CPR
4. Attendance at the annual OSHA bloodborne pathogens presentation

Students who fail to meet 1 and/or 2 have one academic year to correct the deficiency before being dismissed from the ATEP.

Violations of 3 and/or 4 will result in an immediate suspension of clinical experiences until the student is in compliance.

Summary of Requirements for Major/Minor in Athletic Training

Major

1. HPE Courses:

(55 hours)

HEED 101 Community Health Promotion
 HEED 103 Foundations of Exercise & Sport Science
 HEED 200 Nutrition
 HEED 206 Introduction to Athletic Training
 HEED 210 Athletic Taping and Bracing Techniques
 HEED 222 Clinical Experiences in Athletic Training I
 HEED 223 Clinical Experiences in Athletic Training II
 HEED 306 Organization & Administration of Exercise & Sport Science
 HEED 318 Orthopedic Assessment I Upper Extremity
 HEED 319 Orthopedic Assessment II Lower Extremity
 HEED 320 Pharmacology and General Medical Conditions
 HEED 322 Clinical Experiences in Athletic Training III
 HEED 323 Clinical Experiences in Athletic Training IV
 HEED 408 Therapeutic Modalities in Sports Medicine
 HEED 422 Clinical Experiences in Athletic Training V
 HEED 423 Clinical Experiences in Athletic Training VI
 PHEC 163 Strength Training & Conditioning
 PHEC 303 Biomechanics for Exercise and Sport Science
 PHEC 401 Physiology of Exercise
 PHEC 410 Advanced Strength Training
 PHEC 411 Evaluation and Prescription in Fitness
 PHEC 413 Rehabilitation Techniques in Sports Medicine
 PHEC 435 Physical Activity for the Older Adult

2. Courses in Other Departments:

(27 hours)

BIOL 149 General Biology (*GEP LAC Group C*)
 BIOL 201 Anatomy & Physiology I
 BIOL 202 Anatomy & Physiology II
 MATH 209 Elements of Applied Probability and Statistics (*GEP BR Math*)
 PHIL 101 Introduction to Philosophy (*GEP LAC Group B*)
 PHIL 313 Biomedical Ethics
 PSYC 150 General Psychology (*GEP LAC Group D*)
 PSYC 430 Health Psychology

Change in course credit hours:

3. Biotechnology Option:

BIOL 438 Biotechnology Laboratory (*3 hours*)

Biology

Concentration in biotechnology

Economics

Major

Concentrations in Business Economics Public Policy Economics Quantitative Economics

Minor

Professors:

Dalton, Mizak, Neral

Associate Professors:

Stair (Chair)

Assistant Professors:

Kiriazis, Rossi

- All economics majors must complete a common core curriculum. Students may major in economics without pursuing a specialized concentration; or they may pursue a concentration in Business Economics, Public Policy Economics, or Quantitative Economics.

- The economics major provides excellent preparation for entry-level employment in the private or public sectors, as well as for law school or graduate school.

- The Concentration in Business Economics is recommended for students who intend to seek employment in the private sector and/or pursue graduate study in business.

- The Concentration in Public Policy Economics is recommended for students who intend to seek employment in government or with other policy-oriented organizations.

- The Concentration in Quantitative Economics is recommended for students who intend to seek employment in economic consulting or forecasting and/or pursue graduate study in economics.

- A concentration in International Economics is available in the International Studies Major.

	No Concentration	For Major			For Minor
		Business Conc.	Public Policy Conc.	Quantitative Conc.	
Hours Required in Economics:	33-36	30-33	39-42	27-36	18
Hours Required in Other Departments:	6	30	6	9-18	6
Total Hours Required:	39-42	60-63	45-48	45	24

Summary of Requirements for Major/Minor in Economics

Major	Minor
<p>1. Required Core Courses in Economics: (15 hours) ECON 201/211* Principles of Econ. (Macro) (<i>GEP LAC Group D</i>) ECON 202/212* Principles of Econ. (Micro) ECON 351* Intermediate Macro-Economics ECON 352* Intermediate Micro-Economics ECON 491* Seminar in Economics</p>	<p>(12 hours) ECON 201/211* Principles of Econ. (Macro) (<i>GEP LAC Group D</i>) ECON 202/212* Principles of Econ. (Micro) ECON 351* Intermediate Macro-Economics ECON 352* Intermediate Micro-Economics</p>
<p>2. Required Core Courses in Other Departments: (3 hours) MATH 209* Elements of Applied Probability and Statistics (<i>GEP BR Math</i>)</p>	<p>(3 hours) MATH 209* Elements of Applied Probability and Statistics (<i>GEP BR Math</i>)</p>
<p>3. Other Courses: (21-45 hours) <i>Majors must choose from among the major in economics without specialized concentration, the business economics concentration, the public policy economics concentration or the quantitative economics concentration.</i></p>	<p>(9 hours) MATH 226* Calculus I (<i>GEP BR Math</i>) or MATH 220* Calculus for Applications I or MATH 106* Algebra with Calculus for Business <i>Minors must also complete at least 6 additional credit hours in economics (excluding ECON 495) at the 300 or 400 level.</i></p>

Requirements for Major in Economics

without specialized concentration

- 1. Core Courses: (18 hours)**
Required of all Economics majors; listed above.
- 2. Other Economics Courses: (18 hours)**
ECON 300 History of Economic Thought
Students must also complete 15 additional elective credit hours in economics (excluding ECON 495) at the 300 or 400 level, of which at least 6 hours must be at the 400 level.
- 3. Courses in Other Departments: (3-6 hours)**
MATH 226* Calculus I (*GEP BR Math*)
or MATH 220* Calculus for Applications I
or MATH 106* Algebra with Calculus for Business and ECON 450* Quantitative Economics*

* Note: You must receive a grade of C or better for this course to count toward the major/minor.

+Note: If this option is selected, ECON 450 **may not** be used to satisfy an Economics elective

Requirements for Major in Economics with Concentration in Business Economics

- 1. Core Courses: (18 hours)**
Required of all Economics majors; listed above.
- 2. Other Economics Courses: (15 hours)**
ECON 305 Managerial Economics
ECON 400 International Trade
or ECON 401 International Finance
ECON 407 Business Cycles and Forecasting
or ECON 460 Introduction to Econometrics

Select two of the following courses:

ECON 301 Labor Economics
ECON 306 Money and Banking
ECON 307 Government, Business, and Public Policy
ECON 313 Economics of Race and Gender
ECON 408 Urban and Regional Economics
ECON 440 Introduction to Game Theory
ECON 492 Internship Research Paper
ECON 494 Field Experience in Economics

- 3. Courses in Other Departments: (27-30 hours)**
ACCT 201* Introductory Accounting I
ACCT 202 Introductory Accounting II
BUAD 351 Management of Organizations
BUAD 361 Principles of Marketing
BUAD 370 Corporate Finance
COSC 100/110 Introduction to Computer Science
COSC 220 Introduction to Software Applications
PHIL 314 Business Ethics
MATH 226* Calculus I (*GEP BR Math*)
or MATH 220* Calculus for Applications I
or MATH 106* Algebra with Calculus of Business
and ECON 450* Quantitative Economics

Requirements for Major in Economics with Concentration in Quantitative Economics

- 1. Core Courses: (18 hours)**
Required of all Economics majors; listed above.
- 2. Other Economics Courses: (21 hours)**
ECON 300 History of Economic Thought
or ECON 303 American Economic History
ECON 407 Business Cycles and Forecasting
ECON 440 Introduction to Game Theory
ECON 450 Quantitative Economics
ECON 460 Introduction to Econometrics
or MATH 481 Applied Regression Analysis

Students must complete at least 6 additional elective credit hours in Economics (excluding ECON 495) or Mathematics (excluding Math 495) at the 300 or 400 level.

- 3. Courses in Other Departments: (6 hours)**
MATH 226* Calculus I (*GEP BR Math*)
MATH 350 Matrix Algebra

Requirements for Major in Economics with Concentration in Public Policy Economics

- 1. Core Courses: (18 hours)**
Required of all Economics majors; listed above.
- 2. Other Economics Courses: (24 hours)**
ECON 307 Government, Business, and Public Policy
ECON 404 Public Sector Economics
ECON 300 History of Economic Thought
or ECON 303 American Economic History
ECON 309 Comparative Economic Systems
or ECON 405 Economics of Developing Countries

Select four of the following courses:

ECON 301 Labor Economics
ECON 306 Money and Banking
ECON 313 Economics of Race and Gender
ECON 400 International Trade
ECON 401 International Finance
ECON 407 Business Cycles and Forecasting
ECON 408 Urban and Regional Economics
ECON 410 Resource and Environmental Economics
ECON 460 Introduction to Econometrics
ECON 440 Introduction to Game Theory
ECON 492 Internship Research Paper
ECON 494 Field Experience in Economics

- 3. Courses in Other Departments: (3-6 hours)**
MATH 226* Calculus I (*GEP BR Math*)
or MATH 220* Calculus for Applications I
or MATH 106* Algebra with Calculus of Business
and ECON 450* Quantitative Economics

* Note: You must receive a grade of C or better for this course to count toward the major/minor.

Electrical Engineering

Collaborative Program

Major

Change in requirements:

Hours Required in Engineering:	52
Hours Required in Other Departments:	56
Total Hours Required:	108

Summary of Pre-Engineering Requirements

2. Required Courses in Other Departments

(40 hours)

CHEM 133 General Chemistry for Engineers (*preferred*)
or CHEM 102 General Chemistry II

Summary of Engineering Requirements

1. Advanced Engineering Courses:

(23 hours)

Add to list of required courses:

ENEE 408 Capstone Design Project

3. Elective Courses in Electrical Engineering:

(11 hours)

Must include two credits of advanced laboratory courses.

Mechanical Engineering

Collaborative Program

Major

Change in requirements:

	For Major
Hours Required in Engineering:	66
Hours Required in Other Departments:	40
Total Hours Required:	106

Summary of Pre-Engineering Requirements

2. Required Courses in Other Departments

(40 hours)

CHEM 133 General Chemistry for Engineers (*preferred*)
or CHEM 102 General Chemistry II

Summary of Engineering Requirements

1. Required Engineering Courses

Course number change:

ENME 350 Electronics and Instrumentation I

Exercise & Sport Science

Major

Concentrations in:
health fitness
health promotion

Change in credit hours:

	Health Fitness	Health Promotion
Hours Required in HPE:	49	44
Hours Required in Other Departments:	24	27
Total Hours Required:	73	71

Summary of Requirements for Major in Exercise and Sport Science

1. Discipline Core Courses

(23 hours)

- Beginning Fall 2002, the concentration in athletic training is discontinued. Interested students should see the new major in Athletic Training in this supplement. You must major in athletic training in order to qualify to take the certification examination.

Interpretive Biology and Natural History

Major

Coordinator:

Ronald Barry, Professor,
Department of Biology

	For Major
Hours Required in Biology:	44-55
Hours Required in Other Departments:	23-30
Total Hours Required:	74-78

Summary of Requirements for Major in Interpretive Biology and Natural History

Major

1. Introductory Level Courses:

(8 hours)

BIOL 149 General Biology I (*GEP LAC Group C*)
BIOL 150 General Biology II

2. Advanced Level Courses

(32-35 hours)

BIOL 230 Wildlife Techniques
BIOL 309 General Entomology
BIOL 314 Plant Taxonomy
BIOL 334 General Animal Behavior
BIOL 340 General Ecology
BIOL 406 Ornithology
BIOL 411 Invertebrate Zoology
BIOL 426 Vertebrate Zoology
BIOL 494 Field Experiences in Biological Sciences (*minimum 3 credits*)

3. Electives:

Select 11-12 hours from among the following.

BIOL 305 Dendrology
BIOL 311 Morphology of Thallophytes
BIOL 312 Morphology of Embryophytes
BIOL 402 Evolution
BIOL 417 Ichthyology
BIOL 422 Herpetology
BIOL 425 Forest Science
BIOL 423 Mammalogy
BIOL 430 Introductory Limnology
GEOG 308 Advanced Historical Geology
GEOG 445 Biogeography

4. Required Courses in Other Departments

(23 hours)

CHEM 101 General Chemistry I (*GEP LAC Group C*)
CMST 102/112 Introduction to Human Communication
COSC 100/110 Introduction to Computer Science
GEOG 103/113 Physical Geography (*GEP LAC Group C*)
MATH 209/219 Elements of Applied Probability and Statistics (*GEP BR Math*)
RECR 330 Outdoor Education
RECR 342 Park and Facility Design

5. Suggested (Optional) Courses in Other Departments

ART 235 Photography
CMST 322 Presentational Communication
ENGL 336 Journalistic Writing
PHSC 210 Descriptive Astronomy
PHSC 211 Descriptive Astronomy Laboratory
RECR 201 Introduction to Recreation and Parks

Geography

Urban Concentration

- Beginning Fall 2002, the urban concentration in geography is discontinued. Interested students should see the new Bachelor of Science in Urban and Regional Planning degree program in this supplement. The new program incorporates new professional education standards for planners.

Psychology

Major

Minor

Change in requirements:

- 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.

Social Work

Major

Change in graduation requirements:

2. Cumulative GPA of at least 2.3 both overall and in courses required for the major

Sociology

Major

Track in:
applied social research

Correction of Requirements Listed in the Fall 2001-2003 Catalog:

The changes and clarifications below apply to students who began college in 2001 *or* 2002. All other requirements are as listed in the 2001-03 catalog.

Applied Social Research Track:

2. Methods and Theory

(12 hours)

SOCI 310 Statistics for Social Science

SOCI 311 Basic Research Methods

SOCI 312 Applied Social Research

SOCI 450 Classical Sociological Theory

4. Internship Requirement

(9-15 hours required)

SOCI 492 Internship Seminar

SOCI 495 Internship

Minor:

3. Distribution Within Department

(12 hours)

2 **additional** courses in one subfield;

1 course in each of the others

Urban and Regional Planning

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:

J. Bambacus (Political
Science), Crosby (Sociology),
Kauffman (HPER), O'Rorke
(Political Science), Powell
(Social Work), Stair
(Economics), G. White
(Geography)

Assistant Professors:

Hartlaub (Political Science),
Kessler (Geography), Moore
(Sociology), Saku (Geography)

- 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 below, degree candidates must meet all requirements listed in the current FSU Undergraduate Catalog for the Bachelor of Science.

	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

1. Introductory Level Courses:

(25 hours)

CMST102 Introduction to Human Communication *or* CMST 122 Introduction to Public Speaking
ECON 202 Principles of Economics (Micro)
GEOG 103 Physical Geography (*GEP LAC Group C*)
GEOG 104 Human Geography (*GEP LAC Group D*)
GEOG 275 Introduction to Spatial Analysis
MATH 209 Elements of Applied Probability and Statistics (*GEP BR Math*)
POSC 110 Introduction to American Politics (*GEP LAC Group D*)
SOC1 100 Introduction to Sociology (*GEP LAC Group D*)

2. Professional Core Courses:

(33 hours)

ECON 404 Public Finance
ENGL 338 Technical Writing *or* ENGL 308 Social Sciences Advanced Composition *or* ENGL 310
General Advanced Composition (*GEP BR Adv. Comp.*)
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
SOC1 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
GEOG 406 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
SOC1 200 Social Problems
SOC1 305 Racial and Cultural Minorities
SOC1 322 Demography
SOWK 370 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
SOC1 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 Advanced Remote Sensing Techniques
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.*

Women's Studies

Minor

Add to list of electives from which you may select:

2. Elective Courses:

SOCI 364 Marriage and Family Relationships
SOCI 366 Social Inequality

New and revised course descriptions

Listed alphabetically by department

African American Studies

AAST 400 Africans of the Diaspora 3 cr.
Exploration of the main historical trends, cultural tenets, social movements, and intellectual constructions of the African Diaspora with focus on the international connections created by voluntary and forced migrations of people of African descent in antiquity and modern times. Examination of the historical challenges to Africans of the Diaspora and initiatives taken in the face of various Euro-American systems and institutions. Variable.

Biology

BIOL 211 Essentials of Anatomy and Physiology 4 cr.
An introduction to the structure, function, and movement of the human body. Three lectures and one two-hour laboratory period per week. Not for majors. Fall only. *Prerequisite: BIOL 149.*

BIOL 340 General Ecology 4 cr.
Prerequisite: BIOL 150, CHEM 102 (or CHEM 101 and permission of the instructor), MATH 209.

BIOL 438 Biotechnology Lab 3 cr.
Advanced techniques in molecular biology. Topics vary depending on instructors. Topics may include cell culture methods, PCR and DNA sequencing, immunocytochemistry, electrophoretic separation and analysis. Required for biotechnology concentration. One 1-hour lecture and 2 two-hour labs a week. Variable. *Prerequisites: junior or senior standing; BIOL 435.*

Chemistry

CHEM 133 General Chemistry for Engineers 3 cr.
A math-intensive lecture-only general chemistry course designed for engineering students. Topics include intermolecular forces, thermodynamics, chemical kinetics, catalysis, chemical equilibria, acid-base equilibria, electro chemistry and nuclear chemistry. Fall semester. *Prerequisites: CHEM 101 or permission of instructor.*

Economics

Title changes:

ECON 303 American Economic History 3 cr.
ECON 307 Government, Business, and Public Policy 3 cr.
ECON 404 Public Sector Economics 3 cr.
ECON 405 Economics of Developing Countries 3 cr.
ECON 460 Introduction to Econometrics 3 cr.

ECON 440 Introduction to Game Theory 3 cr.
An introduction to the theory of games and its application to the analysis of strategic behavior in various decision-making environments. Fall of odd-numbered years. *Prerequisites: ECON 201 and ECON 202.*

Educational Professions

ELED 494 Teaching Internship I: N-8 6 cr.
Change in course title only.

Engineering

ENEE 204 Basic Circuit Theory 3 cr.
Prerequisite: PHYS 262. Corequisite: MATH 432.

ENEE 408 Capstone Design Project 3 cr.
Culmination of prior course work in engineering. Utilization of modern design tools and methodologies for the design of components or systems under realistic constraints, with particular emphasis on teamwork and oral/written communication. Areas in which projects are offered include analog and digital electronic circuits, electromechanical systems and devices, control systems, signal processing, and instrumentation. 1.5 hrs. lecture and 3 hrs. lab. Spring. *Prerequisite: permission of department. Repeatable to 6 credits maximum if content differs.*

ENME 350 Electronics and Instrumentation I 3 cr.
Not open to students with credit for former ENME 252.

English

ENGL 306 Introduction to English Linguistics 3 cr.
A study of the grammars and grammatical aspects of English as well as of language use in society, language change, and language acquisition and processing. Every semester. *Prerequisite: C or better in ENGL 101 or 111.*

Foreign Languages & Literature

Literature in Translation

MDFL 407 Latin American and Spanish Film 3 cr.
A study principally of the most recent films from Latin America and Spain. Taught in English (may not be taken to satisfy the Spanish major). Not open to students with credit for SPAN 407. Two hours lecture and two hours lab. Variable.

French

FREN 495 Internship in French 6-12 cr.
Guided work experience in a French speaking organization either in the US or abroad. Graded P/F. The credit is not applicable toward the major. Every semester and summer. *Prerequisites: junior or senior status, major or minor in French, and permission of department.*

Spanish

SPAN 407 Latin American and Spanish Film 3 cr.
A study principally of the most recent films from Latin America and Spain. 2 hours lecture and 2 hours lab. Not open to students with credit for MDFL 407. Variable. *Prerequisites: Two 300-level Spanish courses.*

SPAN 408 Comparative Grammar and Translation 3 cr.
Spanish to English and English to Spanish translation. Also, a comparison of English and Spanish grammar and lexicon. Variable. *Prerequisites: Three 300-level Spanish courses or permission of instructor.*

SPAN 495 Internship in Spanish 6-12 cr.
Guided work experience in a Spanish speaking organization either in the US or abroad. Graded P/F. The credit is not applicable toward the major. Every semester and summer. *Prerequisites: junior or senior status, major or minor in Spanish, and permission of department.*

Geography

GEOG 425 Geography of Transportation 3 cr.
Prerequisites: GEOG 104 or permission of instructor.

Health, Physical Education & Recreation

HEED 206 Introduction to Athletic Training 3 cr.
 Provides the student interested in Athletic Training the first extensive exposure to the field. Focuses on the theoretical base of the field as well as introductory injury prevention and management concepts. Fall only. *Prerequisite: HEED 103.*

HEED 320 Pharmacology and General Medical Conditions 3 cr.
 Pathology and clinical information about various general medical conditions commonly seen in the physically active. Spring.

RECR 100 Leisure and the Diverse American Culture 3 cr.
 Examines diversity within American culture through the study of leisure and related influences on physical and mental wellness throughout the lifespan. Variable.

Music

MUSA 490 Senior Recital
 Correction of course abbreviation only.

Physics

PHYS 311 Thermodynamics 3 cr.
 Introduction to thermodynamics. Thermodynamic properties of matter. Three laws of thermodynamics, cycles, reactions, mixtures. Fall, odd numbered years. Not open to students who have received credit for former PHYS 282 or ENME 232. *Prerequisites: PHYS 261 and 262.*

Psychology

PSYC 301 Research Methods II 3 cr.
Prerequisites: PSYC 300 with a "C" or better and completion of PSYC 297 with a "P" grade.

PSYC 450 Multicultural Counseling Issues 3 cr.
 Introduction to the issues of gender, class, race, culture, sexual orientation, and physical ability, as these variables may influence their ability to be present and counsel individuals who are different from themselves. Students will examine between and within group differences in light of various social, cultural, historical, and political contexts. The goals of this course are to increase student awareness of self and others as cultural beings and gain knowledge about various cultural groups in the United States. Summer. *Prerequisite: PSYC 150.*

Social Work

SOWK 495 Internship in Social Work 12 cr.
Prerequisites: SOWK 471; senior status; 2.3 GPA in major and overall; completion of all prerequisite major and GEP course work; attendance at orientation meeting in semester prior to internship; submission of internship application at the beginning of the semester preceding internship which includes resume. Fieldwork coordinator must approve all internships.

Theatre

THEA 206 Modern American Drama 3 cr.
 Also offered as ENGL 206.

FSU at a glance

Notes

Majors

Accounting
 Actuarial Science
 Art & Design
 Athletic Training
 Biology
 Business Administration
 Business Education
 Chemistry
 Communication Studies
 Computer Science
 Dance
 Early Childhood/Elementary Education
 Earth Science
 Economics
 Electrical Engineering
 Elementary Education
 English
 Environmental Analysis & Planning
 Exercise & Sport Science
 Foreign Languages & Literature
 Geography
 Health & Physical Education
 Health Science Administration
 History
 International Studies
 Interpretive Biology & Natural History
 Justice Studies
 Liberal Studies
 Mass Communication
 Mathematics
 Mechanical Engineering
 Music
 Philosophy
 Physics
 Political Science
 Psychology
 Recreation & Parks Management
 Social Science
 Social Work
 Sociology
 Theatre
 Urban & Regional Planning
 Wildlife & Fisheries

Pre-Professional Programs

BS Chemistry/ Doctor of Pharmacy
 Dental Hygiene
 Dentistry
 Law
 Medical Technology
 Medicine
 Nursing
 Occupational Therapy
 Optometry
 Pharmacy
 Physical Therapy
 Veterinary Medicine