

# FROSTBURG STATE UNIVERSITY

## 2006-2007 SUPPLEMENT TO THE 2005-2007 UNDERGRADUATE CATALOG

This supplement describes changes in degree and major requirements that apply to you if you first enroll in college during the 2006-2007 academic year. All other provisions of the 2005-2007 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 2006-2007 academic year.

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Notwithstanding any other provision of this or any other University publication, the University reserves the right to make changes in tuition, fees, and other charges at any time such changes are deemed necessary by the University and the University System of Maryland Board of Regents.

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 if possible.

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

# FROSTBURG

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# Academic Calendar 2006-2007

For all deadlines: action must be completed by 4:30 p.m. on the date specified.

## Fall Semester 2006

|   |                   |
|---|-------------------|
| Orientation & testing - new non-registered students only        | August 24         |
| Advising & registration - new non-registered students only      | August 25         |
| Residence Halls open 9 a.m.                                     | August 27         |
| Classes begin   | August 28         |
| Late registration/drop/add                                      | Aug. 28 - Sept. 1 |
| Last day to add classes   | September 1       |
| Labor Day - no classes  | September 4       |
| Family Weekend  | October 6-8       |
| Last day to withdraw with W - graduate students                 | October 9         |
| Last day for removal of incomplete grades - undergrad. students | October 9         |
| Mid-semester warnings distributed to undergraduate students     | October 10        |
| Last day to withdraw with W - undergraduate students            | October 23        |
| Homecoming  | October 27 - 29   |
| Spring 2007 registration, without payment                       | Oct. 30 - Nov. 17 |
| Intersession registration, with payment                         | Oct. 30 - Dec. 8  |
| Regents' Cup  | November 11       |
| Residence Halls close - 7 p.m.                                  | November 21       |
| Thanksgiving Recess   | Nov. 22 - Nov. 26 |
| Residence Halls open - noon                                     | November 26       |
| Classes resume  | November 27       |
| Last day for removal of incomplete grades - graduate students   | December 8        |
| Last day to withdraw from courses with WF                       | December 8        |
| Last day of classes   | December 8        |
| Reading Days/Common Finals                                      | Dec. 9 - 10       |
| Late Intersession registration, with late fees                  | Dec. 9 - Jan. 2   |
| Final Exams   | Dec. 11 - 15      |
| Intersession course cancellations                               | December 13       |
| Residence Halls close 7 p.m.                                    | December 15       |
| Commencement  | December 17       |

## Spring Semester 2007

|  |                  |
|--|------------------|
| Testing, 1:00 p.m., new non-registered students only   | January 25       |
| Advising and Registration - new non-registered students only   | January 26       |
| Residence Halls open-9 a.m.  | January 28       |
| Classes begin  | January 29       |
| Late registration/drop/add   | Jan. 29 - Feb. 2 |
| Last day to add classes  | February 2       |
| Last day for grade change for Fall 06 and Intersession 07<br>(including removal of incomplete grades) - undergraduate students | March 9          |
| Last day to withdraw from courses with W - graduate students   | March 9          |
| Mid-semester warnings distributed to undergraduate students  | March 12         |
| Residence Halls close - 7 p.m.   | March 16         |
| Spring Break   | March 18 - 25    |
| Residence Halls open - 12 noon   | March 25         |
| Classes resume   | March 26         |
| Last day to withdraw from courses with W - undergraduate students  | March 30         |
| Fall 2007 registration, without payment  | April 2 - 20     |
| Summer sessions registration, with payment   | April 2 - May 11 |
| Late registration for Summer for continuing students, with late fees   | May 12 - 30      |
| Last day for removal of incomplete grades - graduate students  | May 15           |
| Last day to withdraw from courses with WF  | May 15           |
| Last day of classes  | May 15           |
| Summer sessions course cancellations for sessions beginning May 29   | May 16           |
| Reading Day  | May 16           |
| Final Exams  | May 17 - 18      |
| Reading Days/Common Exams  | May 19 - 20      |
| Final Exams  | May 21 - 23      |
| Residence Halls close 7 p.m.   | May 23           |
| Honors Convocation   | May 25           |
| Commencement   | May 26           |

## Intersession 2007

|                                    |         |
|------------------------------------|---------|
| Residence halls open, noon         | Jan. 1  |
| Classes begin                      | Jan. 2  |
| Martin Luther King Day, no classes | Jan. 15 |
| Last day of classes                | Jan. 26 |

## Summer Sessions 2007

First Summer Session begins May 29  
See the Summer Session Schedule Booklet for complete calendar.

Calendar subject to change without notice.

# The Mission of the University

## Summary Mission Statement

Frostburg State University has provided paths to success for students for over 100 years. Founded in 1898 to prepare teachers, the institution today is a public, comprehensive, largely residential regional university offering a wide array of affordable programs at the undergraduate and graduate levels. The only four-year institution of the University System of Maryland west of the Baltimore-Washington corridor, the University serves as the premier educational and cultural center for western Maryland. At the same time, it draws its student population from all counties in Maryland, as well as from numerous other states and foreign countries, thereby creating a campus experience that prepares students to live and work in a culturally diverse world.

The University is distinguished by a scenic campus encircled by mountains, its excellent academic programs, its nationally acclaimed community service programs, and its vital role in regional economic development initiatives. As a result, it holds the distinction of being one of the University System institutions most closely woven into the fabric of the surrounding area.

Frostburg State University is, first and foremost, a teaching institution in which students are guided and nurtured by dedicated, highly qualified faculty and staff. Faculty engage in wide-ranging research and scholarly activity with the ultimate goal of enhancing student learning. The academic experience of undergraduates includes a rigorous general education program in the liberal arts and sciences, including development of core skills. Major areas of specialization are offered in education, business, science and technology, the creative and performing arts, and selected programs in the humanities and social sciences. The University provides numerous opportunities for students to engage in community service, leadership development activities, undergraduate research, and internships. These activities serve as experiential laboratories in which students apply what they have learned in the classroom to real-world situations. Graduate programs provide specialized instruction for students involved in or preparing for professional careers.

Frostburg State University continues to define its core mission as providing pathways to success – in careers, in further education, and in life – for all of its graduates.

## Accreditation

The University and its programs are accredited by the following associations and agencies:

- ▶ Frostburg State University: Middle States Association of Colleges and Schools
- ▶ College of Business programs: AACSB International (Association to Advance Collegiate Schools of Business)
- ▶ B.A./B.S. in Athletic Training: Commission on Accreditation of Allied Health Education Programs (CAAHEP)
- ▶ M.S. in Counseling Psychology: Master's in Psychology Accreditation Council (MPAC)
- ▶ B.A./B.S. programs in Electrical and Mechanical Engineering, in collaboration with the University of Maryland College Park: Accreditation Board for Engineering and Technology (ABET)
- ▶ B.A./B.S. in Recreation and Parks Management: National Recreation and Park Association/American Association for Physical Activity and Recreation (AAPAR).
- ▶ B.A./B.S. in Social Work: Council on Social Work Education
- ▶ Teacher Education Programs: National Council for the Accreditation of Teacher Education (NCATE) with recognition by 14 professional content associations for compliance with national standards; also approved by the Maryland State Department of Education (MSDE) as consistent with the Maryland Redesign of Teacher Education
- ▶ Counseling and Psychological Services: International Association of Counseling Services

# Expenses 2006-2007

Replaces page 17 of the 2005-2007 Undergraduate Catalog

This information applies to the academic year 2006-2007 only. Notwithstanding any other provision of this or any other University publication, the University reserves the right to make changes in tuition, fees, and other charges at any time such changes are deemed necessary by the University and the University System of Maryland Board of Regents.

## Tuition

Tuition for legal residents of Maryland is \$2,500 per semester plus all other applicable fees at the University. Tuition for out-of-state students is \$7,025 per semester plus all other applicable fees at the University. Tuition for residents of the contiguous counties\* is \$5,250 per semester plus all other applicable fees at the University.

Evening and part-time tuition is \$207 per credit hour for resident undergraduate students, \$396 per credit hour for non-resident undergraduate students, \$294 per credit hour for resident graduate students, and \$337 per credit hour for non-resident graduate students.

Summer tuition is \$207 per credit hour for resident undergraduate students, \$396 per credit hour for non-resident undergraduate students, \$294 per credit hour for resident graduate students and \$337 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

\*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.

\$5,805 per year to \$7,178 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 \$242 per semester for full-time students and a \$26 per credit hour fee for part-time students is used to support the University's program in intercollegiate and intramural athletics.

## Undergraduate Tuition & Fees 2006-2007

| Tuition - full time (12 cr. or more) | 1st Semester | 2nd Semester | Total   |
|--------------------------------------|--------------|--------------|---------|
| Maryland Residents                   | \$2,500      | \$2,500      | \$5,000 |
| Out-of-State Residents               | 7,025        | 7,025        | 14,050  |
| Contiguous County Residents          | 5,250        | 5,250        | 10,500  |

## Mandatory Fees

|                             |              |              |                |
|-----------------------------|--------------|--------------|----------------|
| Activities Fee              | \$65         | \$65         | \$130          |
| Athletic Fee                | 242          | 242          | 484            |
| Auxiliary Facilities Fee    | 200          | 200          | 400            |
| Student Union Operating Fee | 107          | 107          | 214            |
| Technology Fee              | 72           | 72           | 144            |
| Transportation Fee          | 10           | 10           | 20             |
| <b>Total Fees</b>           | <b>\$696</b> | <b>\$696</b> | <b>\$1,392</b> |

## Total Tuition and Fees

|                              |         |         |         |
|------------------------------|---------|---------|---------|
| Maryland Residents           | \$3,196 | \$3,196 | \$6,392 |
| Out-of-State Residents       | 7,721   | 7,721   | 15,442  |
| Contiguous County* Residents | 5,946   | 5,946   | 11,892  |

## Room Charges

|                        |              |         |         |         |
|------------------------|--------------|---------|---------|---------|
| Frederick, Westminster | double       | \$1,652 | \$1,652 | \$3,304 |
| All other halls        | double       | 1,613   | 1,613   | 3,226   |
|                        | small single | 1,783   | 1,783   | 3,566   |
|                        | large single | 1,934   | 1,934   | 3,868   |

## Board Charges

|  |         |         |         |
|--|---------|---------|---------|
| Gold Plan with \$200 bonus bucks         | \$1,655 | \$1,655 | \$3,310 |
| Silver 19 - 19 meals w/\$100 bonus bucks | 1,539   | 1,539   | 3,078   |
| 14-meal with \$100 bonus bucks           | 1,478   | 1,478   | 2,956   |
| 12-meal with \$250 bonus bucks           | 1,534   | 1,534   | 3,068   |
| 10-meal with \$75 bonus bucks            | 1,289   | 1,289   | 2,578   |

## Total tuition, fees, room and board\*\*

|                                     |                |                |                 |
|-------------------------------------|----------------|----------------|-----------------|
| <b>Maryland Residents</b>           | <b>\$6,503</b> | <b>\$6,503</b> | <b>\$13,006</b> |
| <b>Out-of-State Residents</b>       | <b>11,028</b>  | <b>11,028</b>  | <b>22,056</b>   |
| <b>Contiguous County* Residents</b> | <b>9,253</b>   | <b>9,253</b>   | <b>18,506</b>   |

\*\*based on \$3,304 room rate and \$3,310 board rate

All fees subject to change.

**Auxiliary Facilities Fee:** An auxiliary facilities fee of \$200 per semester for full-time students and \$18 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 \$72 per semester for full-time students or \$10 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 2005-2007 Undergraduate Catalog.

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

## Policy for Student Residency Classification

As of June 2006, The University System of Maryland Policy for Student Residency Classification for Admission, Tuition, and Charge-Differential Purposes is under review by the Board of Regents. When approved, the new policy can be accessed at the following Web site: <http://www.usmd.edu/regents/bylaws/SectionVIII/VIII270.html>

## General Education Program

### Identity and Difference Courses (Group F)

Students following the 2005-2007 Undergraduate Catalog may select one of the following courses (in addition to those listed in the catalog) to fulfill Group F: Identity and Difference in the General Education Program:

**GEOG 110 World Regional Geography: Cultural Diversity**

**GEOG 427 Geography of Languages and Religions**

**HIST 100/111\* The Contemporary World in Historical Perspective**

*You must meet all prerequisites listed for the course you select.*

## FSU's Teacher Education Report Card

### Contextual Information

|   |     |
|---|-----|
| Total number of students admitted into teacher preparation, all specializations, AY 2004-05 | 735 |
| Number of students in supervised student teaching   | 176 |
| Number of faculty members who supervised student teachers:                                  |     |
| Full-time faculty in professional education   | 15  |
| 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      | 8   |
| Total faculty student teaching supervisors  | 26  |
| Student teacher/faculty ratio   | 6.8 |
| 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: 2004-2005

Number of Program Completers: 176<sup>1</sup>

| Type of Assessment <sup>2</sup>                  | Number Taking Assessment <sup>3</sup> | Number Passing Assessment <sup>4</sup> | Institutional Pass Rate | Statewide Pass Rate |
|--|---------------------------------------|--|-------------------------|---------------------|
| Aggregate - Basic Skills                         | 172                                   | 172                                    | 100%                    | 99%                 |
| Aggregate - Professional Knowledge               | 160                                   | 158                                    | 99%                     | 97%                 |
| Aggregate - Academic Content Areas**             | 172                                   | 171                                    | 99%                     | 98%                 |
| <b>Summary Totals and Pass Rates<sup>5</sup></b> | 176                                   | 175                                    | 99%                     | 96%                 |

<sup>1</sup> 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.

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

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

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

<sup>5</sup> 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.

See College of Education web site for detailed report: [www.frostburg.edu/about/teachreport.htm](http://www.frostburg.edu/about/teachreport.htm)

\*\*Math, English, Biology, etc.

# Standards Governing Academic Probation and Dismissal

A cumulative grade point average (GPA) of 2.0 is the minimum standard acceptable for work leading to a bachelor's degree. If your cumulative GPA falls below 2.0, you will be placed on academic probation or be subject to academic dismissal.

## Review of Student Records

Your records will be reviewed for possible dismissal at the end of the fall and spring semesters and the second six-week summer session. If you do not meet prescribed standards at the end of the spring semester, you will be so informed, but you will be permitted to attend any summer session except the third four-week session. You will need to meet the standard prescribed for your number of earned hours and number of semesters on probation no later than the end of the second six-week session or you will be dismissed and not allowed to apply for readmission until the following summer.

## Academic Dismissal

Subject to the proviso that only those students who are on academic probation during a term or who fail basic skills courses on the second attempt or later are subject to dismissal at the end of that term, you will be dismissed for unsatisfactory scholarship if **any one** of the following conditions applies:

1. Your cumulative grade point average falls below 1.0;
2. You fail to meet the basic skill standard in reading, writing, and/or mathematics (as defined in the section of the catalog on testing policies);
3. You fail at least half of the semester hours of credit in any single semester while on academic probation;
4. You fail to meet the minimum academic progress standard for your number of earned hours while on academic probation (see table on this page.)
5. You remain on academic probation for three successive semesters without achieving a cumulative GPA of at least 2.0. Any enrollment in a summer session counts as one semester on probation.

## Dismissal Conditions

1. You will not be allowed to enroll at Frostburg State University for at least two semesters. The summer sessions are considered the equivalent of one semester.
2. After the minimum two-semester dismissal period, you are eligible to apply for readmission through the Admissions Office. Readmission is not guaranteed. (See the section on readmission in the admissions section of the catalog.)

## Dismissal Appeals

You may appeal your dismissal for unsatisfactory scholarship. To do so:

1. Submit a letter of appeal to the Academic Standards Subcommittee, c/o the Assistant Provost, who serves as Chair.
2. You must submit your letter of appeal and all documentation by the deadline specified in the academic dismissal notice. Letters of appeal received after the deadline will not be considered.
3. Your letter of appeal must demonstrate that your poor academic performance has resulted directly from serious physical, emotional or other personal problems. You must detail the reasons for your poor academic performance and provide documentation of the existence of the problems. You must show that the problems described have been addressed and that there is reason to believe that these problems will no longer affect your academic performance.
4. If you are reinstated on appeal, you will have to agree to meet specified conditions listed in the response to your appeal.

## Academic Probation

1. If you are a first time FSU student whose FSU GPA is less than 1.0, you will be placed on conditional probation. You are not allowed to enroll in more than 13 credit hours during the following semester and you must enroll in a specified section of ORIE 101, Introduction to Higher Education, for assistance in improving your academic record.
2. If you have earned a cumulative grade point average of 1.0 or above, but below 2.0, you will be placed on academic probation.
3. You will be allowed to continue to enroll on academic probation if you meet the minimum academic progress standard for your number of earned hours (see table on this page), but for no longer than three successive semesters.

4. If you are on academic probation during the fall semester, you may not register for January Intersession courses. If you are on academic probation during the spring semester, or are placed on academic probation at the end of the spring semester, you may not register for the third four-week summer session.

## Minimum Academic Progress Standards

The minimum academic progress standards you must meet in order to be continued on academic probation are as follows:

| Total Hours Earned <sup>1</sup> | Minimum FSU Cumulative GPA <sup>2</sup> |
|---------------------------------|---|
| 0-14                            | 1.00                                    |
| 15-29                           | 1.40                                    |
| 30-44                           | 1.60                                    |
| 45-59                           | 1.80                                    |
| 60-above                        | 2.00                                    |

<sup>1</sup>Total hours earned = all earned hours, graded and ungraded, including transfer credits.

<sup>2</sup>Cumulative FSU GPA = all letter grades (A, B, C, D, F, FX, WF) earned in all courses attempted at Frostburg State University, excluding authorized grade repeats and grade forgiveness. Enrollment at schools other than FSU can not improve the GPA because credits, not grades, transfer from these institutions.

## Academic Warning

If your semester GPA falls below 1.5 and your cumulative GPA is below 2.5 you will be placed on academic warning, and must meet the warning conditions specified below.

## Additional Probation and Warning Conditions

If you are on academic probation or warning, the following rules apply:

1. You may not enroll for more than 15 credit hours per semester.
2. You must have your course schedule and load reviewed and approved by your academic advisor. You must meet regularly with your advisor throughout the semester. (The Academic Standards Subcommittee seriously considers the written report of your advisor should you be subject to academic dismissal.)

## Academic Eligibility for Athletes Effective Fall 2007

As a student-athlete, you must be eligible according to the regulations of the National Collegiate Athletic Association and the academic eligibility standards of Frostburg State University. Specifically, in order to be eligible to participate in intercollegiate athletics, you must meet the following criteria:

1. Be regularly admitted as a degree-seeking student.
2. At the time of participation in intercollegiate athletics, be registered for and maintain enrollment in 12 or more credit hours, with the following exceptions:
  - a. You may practice and compete during the vacation period immediately preceding initial enrollment provided you meet all other eligibility requirements.
  - b. If you are an undergraduate student enrolled in the final semester of a baccalaureate program, who is certified as enrolled in all courses required to complete degree requirements by the Registrar's Office, you may practice and compete while enrolled in less than 12 credit hours with the approval of the Director of Special Academic Services.
  - c. If you are a graduate student who previously attended this institution as an undergraduate, you may practice and compete while enrolled in a minimum of nine credit hours with the approval of the Director of Special Academic Services.
3. Complete the maximum of four seasons of competition in any one sport during the first 10 semesters (15 quarters) of full time enrollment in a collegiate institution.
4. If you are a transfer student who has ever participated in intercollegiate athletics:
  - a. Be certified by the transfer institution as academically and athletically eligible had you remained at that institution. If you transferred from a four-year institution to a two-year college and then to Frostburg State University, you must have been both academically and athletically eligible had you remained at the previous four-year institution, or you must have completed 24 semester hours (or 36 quarter hours) of transferable degree credit and at least two semesters (or three quarters) of attendance at the two-year institution, in order to be immediately eligible at FSU, or
  - b. Complete two full time semesters in residence at Frostburg State University before being eligible to compete.

5. If you are a continuing or readmitted student:

a. Pass a minimum of 24 credits since the beginning of the last season of competition in a particular sport, with the following exceptions:

- 1) You may request that credits earned in excess of the minimum 24 credits per year in previous years be counted to meet the 24-credit requirement. Each "banked" credit may be counted only once. Credits earned in repeated courses that are not repeatable for credit may be counted only once. Banking must be approved by the Director of Special Academic Services.

2) You may receive an exception to the 24-credit rule if you can document circumstances outside your control which interfered with your ability to complete the required credits in a particular year, but you are still making satisfactory progress towards graduation. Rules established by the NCAA for Divisions I and II serve as guidelines for acceptable circumstances. To request an exception, you must submit a written appeal to the Athletics Program Advisory Group.

b. By the beginning of the fifth full-time semester, declare an academic major as proof of normal progress towards the degree.

c. Meet the minimum academic progress standards defined for your academic level (*see table on this page*), with the following exceptions:

- 1) If you are ineligible at the beginning of a semester, you may become eligible mid-semester only due to:
  - a) Successful completion of a course in which you earned an incomplete (I) grade.
  - b) An official grade change.
  - c) A grade change due to recognition of an institutional error.

In any of these circumstances, you will not be eligible until the grade change is officially recorded in the Registrar's Office.

- 2) First-year transfer students will be held to the same standards as incoming freshmen, regardless of the number of earned semester hours.

### Minimum Academic Progress Standards for Athletes

| Total Hours Earned <sup>1</sup> | Minimum FSU Cumulative GPA <sup>2</sup> |
|---------------------------------|---|
| 0-29                            | 1.65                                    |
| 30-above                        | 2.00                                    |

<sup>1</sup>Total hours earned = all earned hours, graded and ungraded, including transfer credits.

<sup>2</sup>Cumulative FSU GPA = all letter grades (A, B, C, D, F, FX, WF) earned in all courses attempted at Frostburg State University, excluding authorized grade repeats and grade forgiveness. Enrollment at schools other than FSU can not improve the GPA because credits, not grades, transfer from these institutions.

3) You may request a waiver of the minimum GPA requirement (for an FSU GPA between 1.75-1.99 only) if compelling circumstances are present. Each request shall be considered on its own merits, independent of any other previous request. To insure consistency, waiver requests must be submitted to the Athletics Program Advisory Group. A record is kept of all waiver applications and the decisions rendered. Decisions are sent to the conference office as well.

d. If you are allowed to re-enroll on academic probation or based on a successful appeal of academic dismissal, or you are readmitted on academic probation, you will not be allowed to participate in athletics unless your Frostburg State University cumulative grade point average meets the minimum specified above for the number of credit hours earned, and unless you have earned a total of 24 credits since the beginning of the last season of competition in a particular sport.

6. Requests for the application of the exceptions specified above must be submitted to the individual or committee listed. Requests for waivers of NCAA regulations must be submitted to the Director of Athletics for approval and transmission to the appropriate authorities.

## Other Policy Changes

### Course Repetition and Grading

Any course taken at Frostburg State University for the Core Skills Requirements of the General Education Program must be repeated at FSU until a satisfactory grade is achieved — at least a C in all courses.

A course may be counted toward graduation requirements only once regardless of how many times it is repeated. All grades earned during repeated courses are counted in your grade point average. *(See the special rule concerning approvals required for course repetitions in your major.)*

You are permitted to repeat a maximum of 13 semester hours of course work in which you received a grade of D, F, FX, or WF. The second grade received (A, B, C, D, F, FX or WF only), whether higher or lower, then will count in your cumulative grade point average. The first grade will continue to appear on your transcript, but the credit hours attempted and the grade earned in the first attempt will not be used in calculating the cumulative grade point average and cumulative credits. You

may select this option only once for a particular course. The course work must be repeated at Frostburg State University.

To request implementation of this option, you must file the Repeat Grade Authorization Form, preferably at the time of initial registration, but no later than one week after the end of the drop/add (late registration) period for the semester in which the course is repeated. If you previously have requested the option for the maximum of 13 credits or for the same course, the Registrar's Office will deny the request. There will be no exceptions to the regulations stated. You should use this option carefully after consultation with your advisor.

### Change of Grades

A faculty member desiring to change a student's grade that has already been recorded with the Registrar must submit to the Registrar a Change of Grade form stating the reasons for the change. If the change of grade

is not from "I" (incomplete) to a letter grade, the form must be approved by the Chair of the Department (or the Dean of the College if the Chair is the instructor) in which the course resides.

All grade changes must be made within six weeks of the beginning of the following semester. No grade changes are allowed after this date except in the case of an ongoing grade grievance that has reached Stage II; a late withdrawal due to documented extenuating circumstances; or, in exceptional cases, with the approval of the Dean of the College that offers the course. Faculty and students should raise issues about grades immediately upon recording and receipt.



# Courses of Study

## Accounting

### Combined BS/MBA Option

#### Change in Eligibility Requirements:

- declared accounting major at FSU or FSU accounting graduate,
- a minimum score of 400 on the GMAT taken prior to the time of application,
- cumulative and major GPA of 2.5 or better at the time of application,
- application in the final semester of the senior year (by March 15 or October 15), and
- application for admission to the 150-hour program must first be approved by the Department of Accounting and then by the MBA program prior to the start of MBA classes.

## African American Studies

### Minor

#### Additional Choices for Elective Courses:

##### 2. Elective Courses:

(12 hours)

A minimum of 3 hours must be taken from Humanities, and 3 hours from Social Sciences.

##### Social Sciences:

POSC 330 Politics of Africa

PSYC 450 Multicultural Counseling

##### Other:

AAST 490 Special Topics in African American Studies

## Economics

### Major

#### Concentrations in

- public policy economics
- quantitative economics

|                                      | No<br>Concentration | For Major<br>Public Policy<br>Conc. | Quantitative<br>Conc. | For Minor |
|--------------------------------------|---------------------|-------------------------------------|-----------------------|-----------|
| Hours Required in Economics:         | 33-36               | 39-42                               | 27-36                 | 18        |
| Hours Required in Other Departments: | 6                   | 6                                   | 10-19                 | 6         |
| <b>Total Hours Required:</b>         | <b>39-42</b>        | <b>45-48</b>                        | <b>46</b>             | <b>24</b> |

#### Summary of Requirements for Major/Minor in Economics

##### Major

##### 1. Required Core Courses in Economics:

(18 hours)

ECON 201/211\* Principles of Econ. (Macro)

(GEP Group D)

ECON 202/212\* Principles of Econ. (Micro)

ECON 351\* Intermediate Macro-Economics

ECON 352\* Intermediate Micro-Economics

ECON 407 Business Cycles and Forecasting

or ECON 460 Introduction to Econometrics

ECON 491\* Seminar in Economics

##### 2. Required Core Courses in Other Departments:

(3 hours)

MATH 209/219\* Elements of Applied

Probability and Statistics (Core Skill 3)

##### 3. Other Courses:

(18-42 hours)

Majors must choose from among the major in economics without specialized concentration, the public policy economics concentration or the quantitative economics concentration.

### Requirements for Major in Economics

without specialized concentration

1. **Core Courses: (21 hours)**  
Required of Economics majors; listed above.
2. **Other Economics Courses: (15 hours)**  
ECON 300 History of Economic Thought  
*Students must also complete 12 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 236\* Calculus I (*Core Skill 3*)  
or MATH 220\* Calculus for Applications I  
or MATH 106\* Algebra with Calculus for Business and ECON 450\* Quantitative Economics<sup>+</sup>  
*+If this option is selected, ECON 450 may not be used to satisfy an economics elective.*

### Requirements for Major in Economics with Concentration in Quantitative Economics

1. **Core Courses: (21 hours)**  
Required of Economics majors; listed above.
2. **Other Economics Courses: (18 hours)**  
ECON 300 History of Economic Thought  
or ECON 303 American Economic History  
ECON 407 Business Cycles and Forecasting or ECON 460 Introduction to Econometrics (*whichever one is not taken as a required core course*)  
ECON 450 Quantitative Economics  
  
*Students must also complete at least 9 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: (7 hours)**  
MATH 236\* Calculus I (*Core Skill 3*)  
MATH 350 Matrix Algebra

### Requirements for Major in Economics with Concentration in Public Policy Economics

1. **Core Courses: (21 hours)**  
Required of Economics majors; listed above.
2. **Other Economics Courses: (21 hours)**
3. **Courses in Other Departments: (3-6 hours)**

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

## Electrical Engineering

### Major

### Changes to Requirements:

### Summary of Electrical Engineering Requirements

1. **Advanced Engineering Courses: (23 hours)**  
ENEE 303 Analog and Digital Electronics  
ENEE 307 Electronic Circuits Design Lab  
ENEE 313 Introduction to Device Physics  
ENEE 322 Signal and System Theory  
ENEE 324 Engineering Probability  
ENEE 350 Computer Organization  
ENEE 381 Electromagnetic Wave Propagation  
ENEE 408 Capstone Design Project

# Ethnobotany

New Major

Watch for information about the new Ethnobotany major (*pending approval of the USM Board of Regents and the Maryland Higher Education Commission.*)

The degree includes basic courses in botanical and social sciences, with courses in ethnobotany, biogeography, pharmacology, cultural anthropology, and ethnographic field techniques that provide a well-rounded, interdisciplinary perspective. You will choose a concentration in pharmacological botany, biogeography or cultural perspectives. Depending on your choice, 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 also will participate in research and service designed to preserve the rich cultural and ecological diversity of Appalachia and to contribute to regional economic development. Courses that count towards the major will be offered this year.

Contact the Department of Biology or Dr. Linda Lyon at 301/687-4166.

# International Studies

Major

## Summary of Requirements for Major in International Studies

| Major  | Minor   |
|--|---|
| <p><b>1. Required Core Courses:</b><br/>           GEOG 104/114 Human Geography (<i>GEP Group D or F</i>)<br/> <i>or</i> GEOG 110 World Regional Geography:<br/>           Cultural Diversity (<i>GEP Group F</i>)</p> | <p><b>3. Elective Courses: Group I</b><br/>           GEOG 104/114 Human Geography (<i>GEP Group D or F</i>)<br/> <i>or</i> GEOG 110 World Regional Geography:<br/>           Cultural Diversity (<i>GEP Group F</i>)</p> |

## Requirements for Globalization & Culture Concentration

- 3. Additional Courses:**  
*(27 hours)*
- A. Required Courses (15 hours)**  
 ACCT 211 Financial Accounting  
 BLAW 291 Legal Environment of Business  
 FINA 303 Principles of Finance  
 MGMT 351 Management of Organizations  
 MKTG 361 Principles of Marketing
- B. Elective Courses (12 hours)**  
**Group I (9 hours)**  
*Three from among the following*  
 ECON 400 International Trade  
*or* ECON 401 International Finance  
 FINA 370 Corporate Finance  
 FINA 470 International Financial Management  
 MGMT 450 International Management  
 MKTG 460 International Marketing

# Journalism

Minor

## Summary of Requirements for Minor in Journalism

| Minor   |
|---|
| <p><b>1. English:</b><br/> <i>(12 hours)</i><br/>           ENGL 494 Field Experience (<i>replaces ENGL 498 Field Experience</i>)</p> |

# Recreation and Parks Management

| Concentrations:                      | Community Program Delivery | Adventure Sports | Hospitality & Tourism | Therapeutic Recreation |
|--------------------------------------|----------------------------|------------------|-----------------------|------------------------|
| Hours Required in RECR:              | 48                         | 42               | 42                    | 48                     |
| Hours Required in Other Departments: | 21                         | 12-13            | 9                     | 29                     |
| Additional Hours Required:           | 0                          | 13               | 19                    | 0                      |
| <b>Total Hours Required:</b>         | <b>69</b>                  | <b>69-70</b>     | <b>70</b>             | <b>77</b>              |

## Summary of Requirements for Major in Recreation and Parks Management

### Major

#### Concentrations in:

- adventure sports
- community program delivery
- hospitality management & tourism
- therapeutic recreation

- Program accredited by NRPA/AAPAR (American Association for Physical Activity and Recreation).

- You are required to complete RECR 497 which includes attendance at one state, regional or national conference during your junior or senior year and current certification in CPR and first aid.

- This program may also be completed at the Community College of Baltimore County - Catonsville. Interested students may contact Maureen Dougherty, coordinator of the FSU Recreation and Parks program at CCBC, 410/869-1103.

### Major

#### 1. Discipline Core:

(39 hours)

RECR 201 Introduction to Recreation and Parks  
 RECR 221 Introduction to Therapeutic Recreation  
 RECR 342 Park and Facility Design  
 RECR 380 Recreation Leadership  
 RECR 382 Program Planning  
 RECR 388 Research Methods in Recreation and Parks  
 RECR 440 Organization and Administration of Recreation and Parks  
 RECR 443 Issues and Legal Liability in Recreation and Parks  
 RECR 491 Practicum and Professional Seminar  
 RECR 492 Internship Project  
 RECR 495 Internship in Recreation  
 RECR 497 Out-of-class Requirements (*see bullets at left*)

#### 2. Courses Outside Department:

(3 hours)

COSC 100/110 Introduction to Computer Science (*Tech. Fluency*)  
 or COSC 220 Introduction to Software Applications  
 or EDUC 454 Microcomputer Application in Education  
 or approved computer application course

#### 3. Complete one of the following:

- a. a second major
- b. a minor
- c. an associate's degree
- d. a bachelor's degree from another institution
- e. a concentration within the major as follows:

#### I. Community Program Delivery (27 hours)

##### A. HPE/RECR (9 hours):

Select three of the following:

RECR 100 Leisure and Diverse Culture  
 RECR 330 Outdoor Education  
 RECR 381 Facilitation Skills & Techniques in Recreation & Parks  
 RECR 384 Special Event Management  
 HEED 101 Community Health Promotion  
 ASI 138 Backcountry & Outdoor Living Skills\*  
 ASI 260 Wilderness First Responder\*

##### B. Psychology (6 hours):

PSYC 150 General Psychology (*GEP Group D*)  
 PSYC 210 Child Development  
 or PSYC 212 Adolescence and Adulthood

##### C. Sociology (6 hours):

SOCI 100 Intro. to Sociology (*GEP Group D*)

And one of the following:

SOCI 200 Social Problems  
 SOCI 203 Sociology of Deviant Behavior  
 SOCI 322 Social Demography  
 SOCI 325 Community Analysis  
 SOCI 326 Sociology of Rural Life  
 SOCI 328 Sociology of Urban Life  
 SOCI 366 Social Inequality

\*Garrett College courses

**D. Communications Studies (6 hours)***Select one of the following:*

- CMST 102/112 Introduction to Human Communications
- CMST 122 Introduction to Public Speaking
- CMST 132 Introduction to Interpersonal and Small Group Communication

*Select one of the following:*

- CMST 215 Small Group Communication
- CMST 300 Interpersonal Communication
- CMST 322 Presentational Communication

**II. Adventure Sports (27-28 hours)****A. Two ASI skills courses (2 hours)\****Any two courses from Section B, C, D or E***B. Two Introductory Level Courses (2 hours)\****Examples include but are not limited to:*

- ASI 111 Beginning Orienteering
- ASI 113 GPS Navigation in Adventure Sports
- ASI 115 Wilderness Survival Skills
- ASI 120 Introduction to Traditional Rock Climbing
- ASI 121 Rock Craft 1
- ASI 130 Introduction to Whitewater Kayaking
- ASI 133 Introduction to Whitewater Canoeing
- ASI 136 Introduction to Rafting and River Guiding
- ASI 138 Introduction to Sea Kayaking
- ASI 140 Introduction to Cross Country Mountain Biking
- ASI 145 Mountain Bike Mechanics I
- ASI 150 Beginning Alpine Skiing
- ASI 154 Beginning Snowboarding
- ASI 158 Cross Country Skiing
- ASI 159 Introduction to Telemark Skiing
- ASI 180 Introduction to New Games-Initiatives/Low Ropes Challenge Course
- ASI 190 Beginning Open Water SCUBA
- ASI 192 Basic Sailing

**C. Three Intermediate Level Courses (3 hours)\****Examples include but are not limited to:*

- ASI 117 Cold Weather Outdoor Living Skills
- ASI 212 Eastern Mountaineering
- ASI 220 Rock Craft 2
- ASI 221 Rock Craft 4
- ASI 222 Rock Craft 5
- ASI 226 Ice Climbing
- ASI 230 Whitewater Kayaking Techniques I
- ASI 231 Whitewater Kayaking Techniques II
- ASI 232 Whitewater Freestyle Kayaking
- ASI 233 Whitewater Canoeing Techniques I
- ASI 236 Whitewater Rafting Technique Development
- ASI 238 Sea Kayaking Techniques I
- ASI 240 Intermediate Cross Country Mountain Biking
- ASI 241 Mountain Bike Touring
- ASI 242 Trails Riding
- ASI 244 Downhill and Dual-Slalom
- ASI 245 Mountain Bike Mechanics II
- ASI 247 Mountain Bike Mechanics Certification
- ASI 250 Alpine Skiing Techniques I
- ASI 251 Alpine Skiing Techniques II
- ASI 252 Slalom/Giant Slalom Alpine Ski Racing
- ASI 254 Snowboarding Techniques I
- ASI 255 Snowboarding Techniques II
- ASI 258 Cross Country Skiing Techniques I
- ASI 280 Intermediate Ropes Course
- ASI 290 Intermediate Open Water SCUBA

*\*Garrett College courses***Adventure Sports Concentration**

- The adventure sports concentration is a collaborative program between Garrett College and Frostburg State University.
- You may enroll in this program at Frostburg State University and take adventure sports courses at Garrett College, or you may complete your first two years at Garrett College and then transfer to FSU. You may earn an associate's degree in adventure sports at Garrett College.
- Legal residents of Delaware, South Carolina, Virginia and West Virginia may complete a recreation management degree (adventure sports concentration) at Maryland resident tuition rates through the SREB Academic Common Market (see Admissions section of the catalog).

**D. One Instructor/Guide Level Course (1 hour)\****Examples include but are not limited to:*

ASI 270 Rock Craft 6: Rock Climbing Instructor Development  
 ASI 272 High Ropes Course Instructor Development  
 ASI 273 Mountain Bike Guide Development and Certification  
 ASI 274 Ski School Instructor Training  
 ASI 275 Whitewater Canoe Instructor Training  
 ASI 276 Whitewater Kayak Instructor Training  
 ASI 277 Whitewater Rafting Instructor Training

**E. One Rescue Level Course (1 hour)\****Examples include but are not limited to:*

ASI 160 Swift Water Rescue  
 ASI 162 Fundamentals of Search and Rescue  
 ASI 164 Advanced Level First Aid and CPR  
 ASI 260 Rock Craft 3: Vertical Rock Rescue  
 ASI 262 National Ski Patrol Training  
 ASI 264 Rescue Diving

**F. Take all of the following: (9 hours)**

ASI 110 Backcountry Living Skills \*  
 ASI 260 Wilderness First Responder \*  
 RECR 393 History and Philosophy of Outdoor Recreation  
 or HUM 210 Society & the Environment \*

**G. Communications Studies (3 hours)***Select one of the following:*

CMST 102/112 Intro to Human Communications  
 CMST 122 Introduction to Public Speaking  
 CMST 132 Introduction to Interpersonal and Small Group Communication  
 CMST 215 Small Group Communication

**H. Select two of the following: (6-7 hours)**

ACCT 211 Financial Accounting  
 BIO 110 Natural History (4 credit hours) \*  
 MGMT 351 Management of Organizations  
 FINA 303 Principles of Finance  
 RECR 421 Program Design and Evaluation in Therapeutic Recreation  
 PSYC 150 General Psychology (GEP Group D)  
 PSYC 210 Child Psychology  
 PSYC 212 Adolescence and Adulthood  
 PSYC 385 Group Processes  
 PSYC 386 Drugs and Behavior  
 PSYC 410 Introduction to Counseling  
 PSYC 417 Psychology of Abnormal Behavior

# New and revised course descriptions

Listed alphabetically by department

## African American Studies

**AAST 490 Topics in African American Studies** 3 cr.  
Variable topics related to African American Studies from disciplines across the University. Variable. May be repeated for up to 6 credits if topics are substantially different. *Prerequisite:* AAST 200 or permission of the instructor.

## Biology

**BIOL 128 Introduction to Ethnobotany** 4 cr.  
Introduction into the discipline of ethnobotany focusing on the role of plants in Appalachian and other cultures. Field trips to local parks and visits with people active in the use of plants will provide opportunities for hands-on experience with techniques and methods used by field ethnobotanists. Three hrs. lecture, one 2-hr. lab. Fall.

**BIOL 311 Morphology of Fungi and Non-Vascular Plants** 4 cr.  
Morphology, taxonomy, evolution, and life histories of photosynthetic bacteria, algae, fungi, mycorrhizae, lichens and bryophytes. Emphasis on organisms important to the human species; plant and animal pathogens, and organisms of economic and ecological importance. Two hrs. lecture, two 2-hr. labs. Fall. *Prerequisite:* BIOL 150.

**BIOL 312 Morphology of Vascular Plants** 4 cr.  
Morphology, taxonomy, evolution and life histories of spore dispersing vascular plants, gymnosperms, and angiosperms. Comparative study of the major organs of each group. Two hrs. lecture, two 2-hr. labs. Spring. *Prerequisite:* BIOL 150.

**BIOL 328 Economic Botany** 3 cr.  
Study of plants and the link between plant structure and human's use of plants. Students will gain an understanding of the form and function of the plant body; plant nomenclature; history of plant use; origins of economically important plants; use of flowers and fruits for food and other purposes; use of roots, stems and leaves for food and other purposes. One hr. lecture, one 4-hr. lab. Spring, odd-numbered years. *Recommended:* BIOL 128, 149 and 150.

**BIOL 428 Ethnographic Field Techniques** 3 cr.  
Practical training and experience using ethnographic field methods. Introduction to methods ethnographers use including mapping, unobtrusive observation, participant observation, ethnographic and life history interviewing, design and implementation of surveys and questionnaires, and an introduction to participatory research methodologies. A project component is included in the course. Three hrs. lecture. Spring, even-numbered years. *Prerequisites:* BIOL 128 or permission of the instructor.

**BIOL 484 Field Experiences in Ethnobotany and Ecology** 3 cr.  
Unique field course where students gain practical training and experience using ecological and ethnographic field methods. Exploration of environmental impact issues is also part of the course. A research or service learning project is required. Additional travel fees may apply. Even-numbered January Intersessions. *Prerequisite:* permission of instructor.

## Chemistry

**CHEM 425 Pharmacological Ethnobotany** 3 cr.  
Study of the basic principles of pharmacology with particular emphasis on drugs of botanical origin. Three hours lecture. Spring, even numbered years. *Prerequisite:* CHEM 302.

## College of Business

For all College of Business courses, if there is an honors variant of a prerequisite course, the honors variant also fulfills the prerequisite. If the listed prerequisite for a course is the first course in each pair below, the second course (honors variant) also will meet the requirement: COSC 100/110, ECON 201/211, ECON 202/212, MATH 209/219 or MATH 380.

**BMIS 320 Advanced Computer Applications in Business** 3 cr.  
*Prerequisite:* COSC 100 or COSC major.

**BMIS 455 Management Information Systems** 3 cr.  
*Prerequisites:* MGMT 351 and BMIS 320.

**BUAD 300 Professional Development I** 3 cr.  
*No prerequisites.*

**ECON 305 Managerial Economics** 3 cr.  
Applications of micro-economic theory to management practices. Topics may include demand estimation and forecasting; production and cost; pricing in various market structures; and special topics in firm decision making. Spring.

**ECON 309 Comparative Economic Systems** 3 cr.  
Fall, even-numbered years.

**ECON 351 Intermediate Macro-Economics** 3 cr.  
Fall.

**ECON 352 Intermediate Micro-Economics** 3 cr.  
Spring.

**ECON 408 Urban and Regional Economics** 3 cr.  
Fall, even-numbered years.

**ECON 450 Quantitative Economics** 3 cr.  
Introduction to the use of calculus, matrix algebra, LaGrangian constrained optimization and linear programming in economics.

**ECON 491 Seminar in Economics** 3 cr.  
*Prerequisites:* ECON 201, ECON 202, ECON 351, ECON 352 and ECON 407 or ECON 460; or senior standing.

## Marketing

The prerequisites for all the marketing courses listed below include a *grade of C or better* in MKTG 361:

**MKTG 363, 364, 365, 366, 460, 462, 466, and 467**

**MKTG 465 Marketing Strategies** 3 cr.  
*Prerequisites:* Grade of C or better in MKTG 361 and MKTG 366.

## Engineering

**ENEE 302, 306, 312 deleted.**

**ENEE 303 Analog and Digital Electronics** 3 cr.  
UMCP course. Introduction to the conceptual physical operation of PN-junction diodes, MOSFETs and bipolar transistors (BJTs). Large signal terminal characteristics of PN junction diodes, bipolar and MOSFET transistors. Digital electronics is covered at the transistor level including the inverter, NAND and NOR gates. Semiconductor memory. Basic transistor circuit configurations including the BJT common emitter (CE) and common collector (CC) circuits, and the MOSFET common source (CS) and common drain (CD) configurations. DC bias and small signal analy-

sis of BJTs and MOSFETs. Simple multitransistor circuits including: the differential-amplifier and the current mirror. Frequency response of simple amplifiers. Fall. *Prerequisite:* A "C" or higher in all 200-level ENEE courses. *Corequisite:* ENEE 307.

**ENEE 307 Electronics Circuits Design Laboratory** 2 cr  
FSU course. I-V properties of diodes and transistors through simple experiments. Analysis, design, and construction of digital and analog electronic circuits at the transistor and integrated circuit levels. Operation and design of relevant multi-transistor circuits. BJT forward active operation by study of CE design, bias and small signal operation. MOS common source operation, study of invertors, NAND and NOR gates. Simulation and analysis of Random Access Memory (RAM). Study of basic transistor configurations and frequency response by building a high-fidelity audio amplifier. Differential amplifiers, active loads, current mirrors, and principles of feedback through the construction of op-amps out of discrete components. Experiments will be tightly aligned to the ENEE 303 lectures. Not open to students who have credit for former ENEE 306. One hr. lecture, three hrs. lab. Fall. *Prerequisite:* C or better in all 200-level ENEE courses. *Corequisite:* ENEE 303.

**ENEE 313 Introduction to Device Physics** 3 cr.  
UMCP course. Basic physics of devices including crystal structure, fields in solids and properties of electrons and holes including diffusion and energy distributions. Current flow in Si by drift and diffusion, equations of motion of particles, p-n junction, depletion, fields and potentials, depletion and diffusion capacitance, and current flow under forward and reverse bias. Operation of bipolar junction and metal-oxide field effect transistors, their physical structure, operation thresholds, current flow, capacitance and current-voltage characteristics. Spring. *Prerequisites:* a "C" or higher in all 200-level ENEE courses.

**ENEE 350 Computer Organization** 3 cr.  
FSU course. Structure and organization of digital computers. Registers, memory, control and I/O. Data and instruction formats, addressing modes, assembly language programming. Elements of system software, subroutines and their linkages. Three hrs. lecture and one hr. discussion. Fall. *Prerequisite:* ENEE 244 and "C" or better in all 200-level ENEE courses.

## English

**ENGL 402 Editing and Production** 3 cr.  
*Prerequisite:* ENGL 300, 308, 309, 310, 330, or 338.

**ENGL 494 Field Experience in Writing** 3 cr.  
*Prerequisites:* Junior or senior standing and permission of the faculty coordinator

## Geography

**GEOG 275 Fundamentals of Geographic Data Handling** 3 cr.  
Exploring sources, characteristics, and types of geospatial data. Discussion of techniques for manual and automated handling of geographically referenced information. Two hrs. lecture and 2 hrs. lab. Every semester. *Prerequisites or co-requisites:* GEOG 103 (or 113) and MATH 209, or permission of instructor. *Tech. Fluency.*

**GEOG 310 Fundamentals of Cartography** 3 cr.  
The art and science of compiling and producing thematic maps as a medium for communication and research. Emphasis is on map design, symbolization, and data classification through desktop mapping and map animation software applications. Two hrs. lecture and 2 hrs. lab. Every semester. *Prerequisites:* GEOG 103 (or 113), GEOG 104 (or 114), GEOG 110 or permission of instructor.

**GEOG 317 Principles of Geographic Information Science** 3 cr.  
An examination of the basic theory, concepts, data structures, operations, and applications of geographic information systems (GIS) as a science. Lectures supplemented by computer-based laboratory exercises. Two hrs. lecture and 2 hrs. lab. Fall. *Prerequisites:* GEOG 275 and completion of two mathematics courses, or permission of instructor. *GEOG 310 recommended.*

**GEOG 417 Geospatial Analysis** 3 cr.  
Further exploration of GIS theory and applications of spatial analysis and modeling. Includes spatial modeling, building geodatabases by integrating data from separate sources, scripting languages and techniques, and electronic map serving. Student-led discussions and computer-based lab exercises. Two hrs. lecture and 2 hrs. lab. Spring. *Prerequisite:* GEOG 317 or permission of instructor.

### Changes in prerequisites:

**GEOG 301, 302, 320, 401, 402, 403**

*Prerequisite:* GEOG 103/113 or GEOG 104/114 or permission of instructor.

**GEOG 300, 324, 325**

*Prerequisite:* GEOG 104/114 or GEOG 110 or sophomore standing.

**GEOG 407, 410, 425, 427, 454**

*Prerequisite:* GEOG 104/114 or GEOG 110 or junior standing.

**GEOG 300 Economic Geography** 3 cr.  
Fall.

**GEOG 410 Locational Analysis** 3 cr.  
Spring, even-numbered years.

**GEOG 425 Geography of Transportation** 3 cr.  
Spring, odd-numbered years.

**GEOG 430 Surface Water Hydrology** 3 cr.  
Fall.

**GEOG 432 Groundwater Hydrology** 3 cr.  
Spring. *Prerequisites:* GEOG 207 and MATH 220 or MATH 236, or permission of instructor.

**GEOG 471 Engineering for Land Development** 3 cr.  
Two hrs. lecture, 2 hrs. lab.

**GEOG 472 Environmental Planning** 3 cr.  
Two hrs. lecture, 2 hrs. lab.

**GEOG 473 Environmental Law** 3 cr.  
*Prerequisite:* GEOG 103/113 or junior standing.

## Mass Communication

**MCOM 313 Advanced Audio Production** 3 cr.  
Development of advanced skills in multiple aspects of audio production. Recording and mastering various types of audio projects. Utilization of digital editing equipment and CD authoring techniques. Fall. *Prerequisite:* MCOM 213 or permission of instructor.

**MCOM 465 Music Promotion and Production** 3 cr.  
Students will apply promotion and production skills to a real world situation by organizing, promoting and producing a full-length audio CD. Students will also organize and promote a live concert featuring artists from the CD. May be taken no more than 2 times for credit. Spring. *Prerequisite:* permission of instructor.

**MCOM 488 Multi-Media Field Production** 3 cr.  
Techniques and skills necessary to utilize multi-cameras in a variety of field productions. 2 hrs. lecture, 2 hrs. lab. Every semester. *Prerequisite:* MCOM 311 or permission of instructor.



## Mathematics

**MATH 200 Introduction to Discrete Mathematics**  
Variable.

**MATH 238 Calculus III**  
Credit may not be earned for both MATH 238 and MATH 320.

**MATH 350 Linear Algebra I**  
Title change only.

**MATH 452 Linear Algebra II**  
Title change and *prerequisites: MATH 238 and MATH 350.*

## Recreation

**RECR 393 History and Philosophy of Outdoor Recreation** 3 cr.  
Philosophical basis of the historical, ethical, moral, social, and aesthetic issues surrounding outdoor recreation. Spring.

**RECR 491 Practicum and Professional Seminar** 3 cr.  
Provides students with professional experiences in several different settings and prepares students for their internship experience. Provides employment search skills, interview techniques, and presentation skills necessary for a successful employment search. Every semester. *Prerequisite: RECR 382 or permission of instructor.*

**RECR 492 Internship Project**  
Academic component of internship. Register concurrently with RECR 495. Every semester. *Prerequisites: RECR 491, junior or senior status, completion of core courses in major or permission of the instructor.*

**RECR 497 Out of Class Requirements** 0 cr.  
Students are required to attend one state, regional or national conference during their junior or senior year, and to have a current certification in CPR and first aid. Consult the Guide for Completion of Out-of-Class Requirements in Recreation. Graded NR/P. Every semester.

## Sociology

3 cr. **SOCI 350 Folklore in Appalachia** 3 cr.  
The study of human creativity and tradition as a reflection of Appalachian culture, community, and place. Approach is expansive, providing students opportunity to study, document, and value their own cultural traditions and heritage. Variable. *Prerequisite: Sophomore standing.*

3 cr.

3 cr.

3 cr.

## Spanish

**SPAN 331 Spanish for Practical Communication II** 3 cr.  
Development of fundamental writing skills through review of specific grammatical topics and analysis of significant reading selections. Conducted entirely in Spanish. Not open to students who have received credit for SPAN 312. Variable. *Prerequisites or co-requisites: SPAN 250 or equivalent.*

**SPAN 332 Spanish for the Professions** 3 cr.  
Builds essential language skills to communicate effectively in Spanish in professional settings. Emphasis on the acquisition of vocabulary pertinent to the professions and important in several types of verbal and written professional forms of communication. Conducted entirely in Spanish. Variable. *Prerequisites or co-requisites: SPAN 250 or equivalent.*

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.

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## FSU at a glance

### Majors

Accounting  
Art & Design  
Athletic Training  
Biology  
Business Administration  
Chemistry  
Communication Studies  
Computer Science  
Criminal Justice  
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  
Information Technology Management  
International Studies  
Interpretive Biology & Natural History  
Law and Society  
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