

UNDERGRADUATE CATALOG SUPPLEMENT

2018-2019

This supplement describes changes in degree and major requirements that apply to you if you first enroll in college during the 2018-2019 academic year. All other provisions of the 2017-2019 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 2018-2019 academic year.

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FROSTBURG STATE UNIVERSITY
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FROSTBURG, MARYLAND 21532-2303

Academic Calendar

Fall 2018

April 2 – 20 Fall 2018 Registration Period

August 7	Last Day to Register without Late Fees. Payment must be received in Billing Office
August 8	Late Payment Fees Assessed - All Continuing Students
August 23	Residence Halls open for Non-Registered New Students at 8 a.m.
August 23	Non-Registered Transfers Testing, Advising, and Registration and First-Year Students Testing
August 24	Non-Registered First-Year Students Advising and Registration
August 25	Residence Halls open for registered new students at 9 a.m.
August 26	Residence Hall open for registered returning students at 9 a.m.

August 27 Classes Begin

August 27 – 31 Drop/Add Period and Late Registration. Late registration fee assessed. (PAWS and Academic Departments)

September 3 Labor Day – Offices Closed, No Classes

September 18	Last Day to File Pass/Fail Form
October 5	Last Day for Grade Changes for Spring 2018 and Summer 2018 (Including Removal of "I" Grades)
October 8	Mid-Semester Warnings Available in PAWS
October 22	Last Day to Register for Six-Week 2 Intensive Online Courses
October 29	First Day of Six-Week 2 Undergraduate Intensive Online Courses
November 2	Last Day to Withdraw from Courses with a "W"
November 20	Residence Halls Close at 7:00 p.m.

November 21 – 25 Thanksgiving Recess

November 25	Residence Halls Open at 12 noon
November 26	Classes Resume
December 10	Last Day to Withdraw from Courses with a "WF"

December 10 Last Day of Classes

December 11	Reading Day
December 12 – 14	Final Exams
December 15	Common Exams
December 17 – 18	Final Exams
December 18	Residence Halls Close at 7:00 p.m. (students with late finals may request an exception from the RLO)

December 19 Commencement

Intersession 2019

October 29, 2018	Registration Begins
December 4	Intersession Payment must be received in Billing Office (Payment is due or enrollment in an approved payment plan)
December 10	Deregistration for Non-Payment Begins
December 18	Cancellation Date for Courses with insufficient enrollment
December 18	Deregistration for Non-Payment Ends; to remove charges, course must be dropped by January 2
January 2, 2019	Classes Begin
January 3	Last Day to Withdraw with a Refund
January 3	Last Day to Add a Course / Last Day to Drop Course without "W"

January 11	Last Day to Drop a Course with a "W"
January 21	M.L. King Holiday – No Classes, Offices Closed
January 25	Last Day of Classes

Spring 2019

Oct. 29 – Nov 16, 2018	Spring 2019 Registration Period
Dec. 17, 2018	Spring Tuition Payment Due. Payments must be received in the Billing Office.
Dec. 18, 2018	Late Payment Fee Assessed – Continuing Students
January 21	M.L. King Holiday – Offices Closed
January 24	Residence Halls Open for Non-Registered New Students at 8 a.m.
January 24	Testing (New Non-Registered Students Only)
January 25	Advising and Registration (New Non-Registered Students Only)
January 27	Residence Halls Open at 9:00 a.m.
January 28	Classes Begin
Jan. 28 – Feb 1	Drop/Add Period and Late Registration. Late registration fee assessed. (PAWS and Academic Departments)
February 18	Last Day to File Pass/Fail Form
March 8	Last Day for Grade Changes for Fall 2018 and Intersession 2019 (including removal of incomplete grades)
March 11	Mid-Semester Warnings Available in PAWS
March 15	Residence Halls Close at 7:00 p.m.
March 16 – 24	Spring Break – No classes
March 24	Residence Halls Open at 12 noon
March 25	Classes Resume
March 27	Last Day to Register for Six-Week 2 Intensive Online Courses
April 1	First Day of Six-Week 2 Intensive Online Courses
April 5	Last Day to Withdraw from Courses with a "W"
May 14	Last Day to Withdraw from Courses with a "WF"
May 14	Last Day of Classes
May 15	Reading Day
May 16 – 17	Final Exams
May 18	Common Finals
May 20 – 22	Final Exams
May 22	Residence Halls Close at 7:00 p.m. (students with late finals may request an exception from the RLO)
May 23	Commencement

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

Calendar subject to change without notice

Undergraduate Tuition & Fees 2017-2018

TUITION - FULL TIME (12 cr. or more)	1st Sem.	2nd Sem.	TOTAL
Maryland Residents	\$3,300	\$3,300	\$6,600
Out-of-State Residents	10,160	10,160	20,320
Regional Residents*	7,594	7,594	15,188

MANDATORY FEES

Technology Fee	\$96	\$96	\$192
Activities Fee	171	171	342
Athletic Fee	504	504	1,008
Auxiliary Facilities Fee	296	296	592
Student Union Operating Fee	186	186	372
Transportation Fee	18	18	36
Sustainability Fee	15	15	30
Total Fees	\$1,286	\$1,286	\$2,572

TOTAL TUITION AND FEES

Maryland Residents	\$4,586	\$4,586	\$9,172
Out-of-State Residents	11,446	11,446	22,892
Regional Residents*	8,880	8,880	17,760

ROOM CHARGES

Frederick, Westminster double	\$2,501	\$2,501	\$5,002
All other halls double	2,441	2,441	4,882
small single	3,230	3,230	6,460
large single	3,506	3,506	7,012

BOARD CHARGES

Gold Plan with \$200 bonus	\$2,423	\$2,423	\$4,846
Silver Plan 19 meals/week			
w/\$100 bonus	2,258	2,258	4,516
14-meal with \$100 bonus	2,165	2,165	4,330
12-meal with \$250 bonus	2,247	2,247	4,494
14 meals with \$125 bonus Flex	2,600	2,600	5,200
15 meals with \$50 bonus Flex*	2,600	2,600	5,200

*Default residential meal plan

TOTAL TUITION, FEES, ROOM AND BOARD**

Maryland Residents	\$9,627	\$9,627	\$19,254
Out-of-State Residents	16,487	16,487	32,974
Regional Residents*	13,921	13,921	27,842

**based on \$4,882 room rate and \$5,200 board rate

subject to change

OTHER FEES & EXPENSES

Tuition Pay Plans.....	\$45/term
Application Fee, one time only.....	\$45
Career Services Credential Fee.....	\$20
Directed Practice Fee	\$200
Duplicate Copy	\$3
Late Registration Fee.....	\$30
Late Payment Fee.....	\$30
Lost ID Card.....	\$20
Private Music Fee	\$200 per credit
Returned Check Fee.....	\$30
Reissue Check Fee.....	\$30
Study Abroad Admin. Fee.....	\$150
Vehicle Registration- day	\$40 per year
Additional Late Fee.....	\$100

SPECIAL COURSE WORK FEES

Accounting (ACCT 305)	\$25
Art (ART 110).....	\$10
Art (ART 207, 209, 212, 216, 240, 412, 416)	\$25
Art (ART 307, 336, 407, 414).....	\$30
Art (ART 221, 232).....	\$35
Art (ART 202, 235, 435, 635).....	\$45
Art (ART 402, 421, 432, 440, 602, 621, 622, 632, 640)	\$50
Art (ART 452).....	\$60
Biology (BIOL 128, 160, 161, 200, 211, 230, 302, 304, 305, 309, 310, 313, 314, 321, 322, 327,328, 330, 334, 340, 401, 404, 406, 410, 411, 412, 414, 417, 421, 422, 423, 425, 426, 427, 430,435, 438, 439, 440, 445, 456, 460, 484)	\$20
Biology (BIOL 109, 149)	\$20
Business Admin. (BMIS 320)	\$25
Chemistry (CHEM 100, 113, 201).....	\$20
Chemistry (CHEM 202, 304, 305, 311, 320, 321, 411, 420, 421, 442, 445, 446, 456, 457, 493, 499).....	\$25
Computer Science (COSC 100, 110, 220, 330)	\$25
Engineering (ENEE 206; ENES 100; ENME 331, 332, 350, 351, 382).....	\$20
Engineering (ENEE 307, 408, 417, 461; ENES 310, 320, 401; ENME 425, 472, 488)	\$25
Geography (GEOG 103,113, 413, 430, 433, 470)	\$20
Geography (GEOG 207, 340).....	\$25
Interdisciplinary Studies (IDIS 150 Outdoor Leadership)	\$115
Mass Comm. (MCOM 101, 287, 387).....	\$50
Mass Comm. (MCOM 213, 250, 287, 313, 387, 465, 499 audio)	\$50
Mass Comm. (MCOM 311, 487, 488, 499 video projects).....	\$50
Mathematics (MATH 119).....	\$45
Music 315, 319, 321, 327, 329, 330, 331, 335, 336, 337, 339, 340, 370	\$10
Music Applied 389,390, 493.....	\$150
Music Applied 490.....	\$300
Nursing (NURS 401, 402, 403, 404, 405, 406, 490, 491, 494, 495, 496).....	\$8/cr.hr*
Orientation (ORIE 101).....	\$120
Physical Science (PHSC 101, 203)	\$20

Physics (PHYS 215, 216, 261, 262, 263, 331, 332, 350).....	\$20
Physics (PHYS 320, 492, 499)	\$25
Sociology (SOCI 310/SOWK 310).....	\$25
Student Teaching Internship	\$350
Summer Orientation Program	\$125

VOLUNTARY MEAL PLANS

(non-residential students)

Just-a-Nibble (45 meals/semester)	\$682/semester plus \$200 Bonus Dollars
Snack Size (60 meals/semester)	\$707/semester plus \$150 Bonus Dollars
Quick Bite (75 meals/semester)	\$1023/semester plus \$350 Bonus Dollars
Full Meal Deal (100 meals/semester)	\$1,033/semester plus \$225 Bonus Dollars

Tuition

Tuition for legal residents of Maryland is \$3,300 per semester plus all other applicable fees at the University. Tuition for out-of-state students is \$10,160 per semester plus all other applicable fees at the University. Tuition for regional residents* is \$7,594 per semester plus all other applicable fees at the University.

Part-time tuition is \$272 per credit hour for resident undergraduate students, \$432 for regional resident* undergraduates, \$570 per credit hour for non-resident undergraduate students, \$433 per credit hour for resident graduate students, and \$557 per credit hour for non-resident graduate students. Nurse Practitioner is \$485 per credit hour for resident graduate students, \$660 per credit hour for non-resident graduate students, and \$545 per credit hour for regional* resident graduates. Physician's Assistant is \$516 per credit hour for resident graduate students, \$750 per credit hour for non-resident graduate students, and \$616 per credit hour for regional* resident graduates. Doctoral tuition per credit hour is \$597 for resident students and \$747 for non-resident students.

Summer tuition is \$267 per credit hour for resident undergraduate students, \$422 for regional resident* undergraduates, \$556 per credit hour for non-resident undergraduate students, \$413 per credit hour for resident graduate students and \$531 per credit hour for non-resident graduate students. Doctoral tuition per credit hour is \$569 for resident students and \$712 for non-resident 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 both 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 \$9,212 to \$12,212 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 \$165 per semester for full-time students or \$27 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 \$504 per semester for full-time students and a \$52 per credit hour fee for part-time students is used to support the University's program in intercollegiate and intramural athletics.

Auxiliary Facilities Fee: An auxiliary facilities fee of \$296 per semester for full-time students and \$26 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 \$186 per semester for full-time students and \$22 per credit hour for part-time students is charged for operating expenses of the Lane Center.

Sustainability Fee: A fee of \$15 per semester for full-time students and \$2 per credit for part-time students is assessed to fund green initiative projects and programs on campus. Projects will be recommended by the President's Advisory Council for Sustainability that includes faculty, staff and student representatives.

Transportation Fee: A Transportation fee of \$18 per semester for full-time students and \$2 per credit hour for part-time students is charged, allowing students to ride Allegany Transit Authority buses by showing a student ID.

Technology Fee: A Technology fee of \$96 per semester for full-time students and \$17 per credit hour for part-time students is assessed to fund technology initiatives for student enhancement.

Other Fees and Expenses

Late Payment Fee: A late payment fee of \$30 is charged for payments received after the established payment deadline.

Late Registration Fee: A late registration fee of \$30 is charged for not registering as prescribed or if payment is received after the due date.

Payment Plans are available through a partnership with CashNet. A 4-month plan is available for each semester with a \$45/term enrollment fee.

Check Reissue Fee: A \$30 stop payment check fee is assessed for checks the Bursar's Office needs to reissue.

Career Services Credential Fee: A \$20 fee allows the student to establish a credential file through the Office of Career Services. This is a one-time optional fee.

Duplicate Copies: A \$3 fee is charged for each duplicate statement of fees (or other receipt) requested. A \$20 fee is charged for each duplicate ID Card.

Returned Payment Fee: A \$30 fee is charged whenever a payment of any obligation is returned for any reason. Article 27, Section 142 of the Annotated Code of Maryland states that anyone who obtains money, etc., by bad check is subject to prosecution. All payments returned to the University by the bank as "unpaid" (this includes payments in dispute or uncollected funds) must be paid within seven days of the University's notification to the student.

Motor Vehicle Registration: A \$40 annual motor vehicle registration fee is charged for students registering a vehicle.

Study Abroad Administrative Fee: A non-refundable administrative fee that covers all study abroad administrative costs of \$150 (check with the CIE website for specific information on costs).

Balance Due Fee: Students with a balance due after 10 business days will be charged an additional \$100 late payment fee.

Special Course Work Fees

The following special fees for course work are non-refundable at the end of the free drop-add period:

Private Music Fee: Music students desiring private study of organ, piano, other instruments, or voice are charged \$200 per credit hour.

Additional Course Fees: Course fees and studio fees range from \$10-\$300 for costs of the course.

Special Instruction Fees: Fees of \$10 - \$120 for students enrolled in GEP science laboratory courses and courses utilizing the Academic Computing facility are collected to cover laboratory supplies, equipment, software. Fees are also charged to cover art supplies in certain studio courses, course materials or field trips.

Student Teaching Internship Fee: A student teaching internship fee of \$350 will be charged for each quarter or semester at the beginning of the semester during which student teaching is scheduled.

Undergraduate Degree Requirements

The GEP

Change to Languages course options:

B. The Humanities: *At least two of the following (3 hours each)*

- **Languages-** FREN 101 Basic Elements of French I
or SPAN 101 Basic Elements of Spanish I

Policy Changes

Attendance at Another Institution

Once you enroll as a degree candidate at Frostburg State University, you must request prior permission to pursue course work at another institution and transfer it into your program at Frostburg State. This procedure is for your protection to ensure that course work is transferable, is equivalent to the course for which you seek credit, and meets the requirement you want to fulfill. Once you are a degree-seeking student at FSU, you can only transfer equivalents of the specific courses in the FSU general education program for general education credit and equivalents of the specific courses in your major or minor for program credit.

If you are an undergraduate student applying for readmission after an absence of at least five calendar years, and you have earned credit for general education courses at a Maryland public higher education institution during your absence, you might receive general education credit at FSU. The evaluation of transfer credits occurs at

the time of readmission; therefore, you must provide official transcripts before the start of the semester in which you're being readmitted.

If you have 0-89 total credits earned (including previous transfer credit, credits in which you currently are enrolled at FSU or elsewhere, and the requested credits off-campus), you must follow these procedures:

1. Obtain a list of course offerings and catalog descriptions for the course(s) you want to take at another institution.
2. Complete the Authorization to Attend Another Institution Form in the Registrar's Office.
3. Have course equivalencies determined by the Transfer Credit Officer in the Admissions Office.
4. Return the form to the Registrar's Office for official signature.
5. Take the approval form to registration at the other institution.
6. After completion of the course work, have an official transcript forwarded from the other institution to Frostburg State University.

In addition to the steps noted above, the following special rules apply:

If you have 90 or more total credits (including previous transfer credits and credits in which you currently are enrolled at FSU or elsewhere), you may transfer a maximum of seven (7) additional credits of general education or general elective course work, provided that you still earn a minimum of 30 credits towards the degree at Frostburg State University. These credits may include courses that count toward the major or minor only if you will earn half of your major or minor credits at Frostburg State University. After you have a total of 90 or more credits, and you wish to participate in an organized academic program approved by the Provost (including those programs taking place at another academic institution):

1. Your academic advisor (or department chair/coordinator) must give prior approval for additional transferred credits of general education or general elective course work.
2. Your department chair or coordinator must give prior approval for additional transferred course work that counts toward the major or minor.
3. The Provost, or designee, must give prior approval for additional transferred credits that count toward the major or minor and are earned through participation in Study Abroad Programs.
4. The Provost, or designee, must give prior approval for additional transferred credits that count toward the major or minor and are earned through the National Student Exchange Program.

If you have 70 credits transferred from two-year colleges, you cannot transfer additional credit from a two-year college. This is a State regulation and no exceptions are allowed.

Note: Exceptions to all the rules specified above require an advance written appeal to the Academic Standards Subcommittee at least one month prior to the term in which you wish to study at another institution

Final Exam Rescheduling Policy

Students should not be required to take more than two final exams in one calendar day, and where conflicts arise, faculty should work with students to make necessary arrangements to avoid the conflict. It is recommended that students meet with their professors to reach alternate arrangements. If students are unable to reach alternate arrangement with their professors, they should contact their academic advisor or department chair for assistance

Enrollment of Undergraduates in Graduate Courses

Undergraduates may take no more than 7 credits in graduate courses for graduate credit prior to completion of the bachelor's degree requirements. To enroll in a graduate course, you must be a senior with at least a 2.5 grade point average and must have the recommendation of your advisor and approval of the Graduate Office.

If you are a full-time undergraduate student taking a graduate course during the academic year, you will not be required to pay tuition for the graduate course since you will pay tuition and fees as a full-time undergraduate.

Credit earned in a graduate course may be considered only as graduate credit and may not be used as undergraduate credit for the baccalaureate degree. The credit, although technically graduate credit, may not be used for a graduate degree at Frostburg State University unless it later becomes part of your graduate requirement and meets time limitation policies.

Exceptions to these policies are made only for students who are admitted to a *combined baccalaureate-master's* program or who are part of an approved *pathway* across programs at Frostburg State University.

An approved combined bachelor's/ master's program is an articulated curriculum combining an existing undergraduate program and an existing master's program, usually resulting in shorter time to degree and decreased total credit hours (no less than 150 total). An approved pathway allows students to take a specified number of graduate credits that can be double-counted toward the undergraduate requirements for a bachelor's degree and toward the master's degree. A pathway may not necessarily provide shorter time to degree or a decrease in total credits. In both cases, usually 9 credits are shared unless the master's program requires substantially more than 30 credit hours. All requirements of the bachelor's program and of the master's program must be completed to receive the two degrees. See the degree program listings for descriptions and selection criteria of currently approved combined programs.

Accreditation

Frostburg State University is accredited by the Middle States Commission on Higher Education, 3624 Market Street, Philadelphia, PA 19104 (267.284.5000). The Middle States Commission on Higher Education is an institutional accrediting agency recognized by the U.S. Secretary of Education and the Council for Higher Education Accreditation.

Accreditors Approved by the U.S. Secretary of Education:

- BSN in Nursing: Commission on Collegiate Nursing Education (CCNE)
- MS in Nursing: Administration and Education Accredited by the Commission on Collegiate Nursing Education (CCNE)
- Teacher Education Programs: National Council for Accreditation of Teacher Education (NCATE)

Other Accreditors:

- BS in Athletic Training: Commission on Accreditation of Athletic Training Education (CAATE)
- College of Business programs: AACSB International (Association to Advance Collegiate Schools of Business)
- MS in Counseling Psychology: Master's in Psychology and Counseling Accreditation Council (MPCAC)
- BA/BS program in Mechanical Engineering, in collaboration with the University of Maryland College Park: Engineering Accreditation Commission of ABET, Inc.
- BS in Recreation and Parks Management: Council on Accreditation of Parks, Recreation, Tourism and Related Professions (COAPRT)
- BS in Exercise and Sport Science: Accredited by the Commission on Accreditation of Health Education Programs (CAAHEP) upon the recommendation of the Committee on Accreditation for Exercise Sciences.
- BA/BS in Social Work: Council on Social Work Education (CSWE)
- Teacher Education Programs: Also approved by the Maryland State Department of Education (MSDE) as consistent with the Maryland Redesign of Teacher Education
- Brady Health Center: Accreditation Association for Ambulatory Health Care (AAAHC)
- Counseling and Psychological Services: International Association of Counseling Services

College of Business

Business Administration

Requirements for Concentration in General Management

3. Elective Courses (18 hours)

Select from among:

BMIS 455	Management Information Systems
ECON 305	Managerial Economics
FINA 476	Financial Management
HMGT 101	Analysis of the Hospitality Industry (3 credits @ UMES)
HMGT 350	Marketing Hospitality and Leisure Services (3 credits @ UMES)
HMGT 396	Special Topics in Hospitality Management (3, 6, 9, 12 credits)
HMGT 401	Law and the Hospitality Industry (3 credits @ UMES)
MGMT 425	Entrepreneurial Business Plan
MGMT 450	International Management
MGMT 452	Staffing and Development
MGMT 456	Compensation Management
MGMT 457	Labor Relations
MGMT 490	Special Topics in Business Administration – Management
MGMT 494	Internship in Management (1 - 12 credits)
MGMT 499	Independent Study in Management
MKTG 366	Consumer Behavior

NOTE: A total of no more than 6 hours of credit in HMGT 396 and/or MGMT 494 may count as elective hours.

Requirements for Concentration in Small Business/Entrepreneurship

3. Elective Courses (9 hours)

Select from among the following:

CMST 300	Interpersonal Communication
	or CMST 322 Presentational Communication
	or CMST 335 Organizational Communication
ECON 305	Managerial Economics
HMGT 101	Analysis of the Hospitality Industry (3 credits @ UMES)
HMGT 350	Marketing Hospitality and Leisure Services (3 credits @ UMES)
HMGT 396	Special Topics in Hospitality Management (1 to 12 credits)
HMGT 401	Law and the Hospitality Industry (3 credits @ UMES)
INTR 330	International Business
MGMT 450	International Management
MGMT 490	Special Topics in Business Administration – Management
MGMT 494	Internship in Management (3 or 6 credits)
MGMT 499	Independent Study in Management

NOTE: A total of no more than 6 hours of credit in HMGT 396 and/or MGMT 494 may count as elective hours.

Requirements for Concentration in Global Business

2. Required Courses in Concentration (15 hours)

ECON 400	International Trade
FINA 477	International Financial Management
INTR 330	International Business
MGMT 450	International Management
MKTG 460	Global Marketing

3. Electives (12 hours)

Select four from the following 3-credit courses:

CMST 350	Intercultural Communication
ECON 309	Comparative Economic Systems
ECON 401	International Finance
ECON 405	Economics of Developing Countries
FINA 494	Internship in Finance
	or MGMT 494 Internship in Management
	or MKTG 494 Internship in Marketing
GEOG 407	Political Geography
INTR 490	Special Topics in Global Business
SPAN 101	Basic Elements of Spanish I
	or FREN 101 Basic Elements of French I
	or MDFL 190 Selected Topics in Foreign Language and Literature
SPAN 102	Basic Elements of Spanish II
	or FREN 102 Basic Elements of French II

An additional 3 credits of foreign language study, in the same language

Small Business/ Entrepreneurship

- Only courses in which a grade of C or better is earned may count towards satisfaction of minor requirements.
- The Department of Management also offers concentrations in general management, hospitality management, human resource management and small business/entrepreneurship as specialties in the business administration major. Concentrators in these areas cannot minor in small business/entrepreneurship.
- You cannot major in small business/entrepreneurship

College of Education

Education: P-12 Programs

Change in Professional Education Sequence for HEALTH & PHYSICAL EDUCATION

Phase I (9 hours) HPED 310 Technology in Health and Physical Education
HPED 416 Curriculum Design in Health and Physical Education
REED 317 Content Area Reading

Phase II (17 hours) EDUC 392 K-12 Field Experience
HPED 402 Adapted Physical Education
HPED 404 Health Instruction
HPED 408 Elementary Methods of Physical Education
HPED 418 Secondary Methods of Physical Education

Phase III (15 hours) EDUC 422 Leadership Seminar
HPED 497 Teaching Internship: K-12 Programs (*Capstone*)

Secondary Teacher Education Programs

Change in Professional Teacher Education Sequence:

Pre-Phase (10 hours)

EDUC 100 Career Analysis in Education (1)
EDUC 202 Foundations of Learning and Instruction (3)
EDUC 310 Diversity and Social Justice in Education. (3)
EDUC 325 Educational Technology (3)

Phase I (7 hours)

EDUC 200 Phase I Teaching & Professional Assessment Laboratory (1)
REED 417 Content Area Reading (3)
SPED 451 Adapting Instruction in Diverse Classrooms (3)

Phase II (9 hours)

EDUC 300 Phase II Teaching & Professional Assessment Laboratory (1)
EDUC 391 Teaching Internship I: Secondary Education (2)
SCED 410 Secondary Methods and Curriculum (3)
SCED 411 English in the Secondary School (3)
or SCED 414 Mathematics in the Secondary School (3)
or SCED 415 Methods of Teaching Modern Foreign Languages (3)

or SCED 419 Science in the Secondary School (3)
or SCED 420 Social Studies in the Secondary School (3) *May be taken concurrent with Phase III*

Phase III (8-15 hours)

SCED 496 Teaching Internship II: Secondary Education (6-12)
EDUC 422 Leadership Seminar

Exercise & Sport Science

- The EXSS Program is accredited by COAES (Committee for the Accreditation Exercise Sciences), a division of CAAHEP (Commission on Accreditation of Allied Health Education Programs).

	MAJOR
Hours Required in KINE:	52
Hours Required in Other Departments:	18
Electives	15-17
Total Hours Required:	85-87

Summary of Requirements for Major in Exercise and Sport Science

1. Discipline Core Courses: (52 hours)

EXSS 103 Foundations of Exercise and Sport Science
EXSS 115 Methods of Group Exercise Instruction
EXSS 175 Foundations of Resistance Training
EXSS 200 Nutrition
EXSS 303 Biomechanics for Exercise and Sport Science
EXSS 305 Care and Prevention of Athletic Injuries
EXSS 306 Organization & Admin. of Exercise & Sport Science
EXSS 315 Nutrition for the Physically Active
EXSS 341 Psychology of Physical Activity
EXSS 401 Physiology of Exercise
EXSS 410 Advanced Strength Training
EXSS 411 Evaluation and Prescription in Fitness
EXSS 435 Lifespan Health and Fitness
EXSS 482 Field Experience in Health Fitness (3 hours)
EXSS 492 Seminar in Health Fitness
EXSS 495 Internship in Health Fitness (*Capstone - 9 hours*)

2. Courses Required in Other Departments: (18 hours)

BIOL 149 General Biology I (*GEP Group C*)
BIOL 321 Anatomy and Physiology I
BIOL 322 Anatomy and Physiology II
BUAD 100 Introduction to Business
MATH 109 Elements of Applied Probability and Statistics (*Core Skill 3*)

3. Electives: (15-17 hours)

Choose at least 15 credits from the following list.

BUAD 100 Introduction to Business
or MGMT 251 Management of Organizations
CHEM 150 General, Organic & Biochemistry (*GEP Group C*)
CHEM 201 General Chemistry I (*GEP Group C*)

CHEM 202	General Chemistry II
EXSS 300	Advanced Human Nutrition
EXSS 330	Exercise Epidemiology
EXSS 430	Training for Peak Performance
HPED 407	Motor Learning & Performance
HSCI 101	Medical Terminology
MGMT 315	New Business Ventures
PHIL 320	Philosophy of Food
PHYS 215	General Physics I (<i>GEP Group C</i>)
PHYS 216	General Physics II

Pre-Physical Therapy Option for EXSS Majors

In addition to the discipline core courses, students interested in pursuing a doctoral degree in Physical Therapy should choose the following courses as their program electives. Students are expected to consult the professional school of their choosing to determine any other specific requirements.

CHEM 201	General Chemistry I
CHEM 202	General Chemistry II
PHYS 215	General Physics I
PHYS 216	General Physics II

Health Promotion

The health promotion minor has been suspended.

College of Liberal Arts & Sciences

Chemistry

Changes in Requirements for the Biochemistry Concentration

3. Required Courses in Biology: (19 hours)

- BIOL 149 General Biology I (GEP Group C)
- BIOL 304 Microbiology
- BIOL 310 Cell Biology
- BIOL 350 Genetics
- BIOL 435 Molecular Biology

4. Required Electives: (1-4 hours)

Select from among:

- ~~CHEM 411 Advanced Inorganic Chemistry~~
- ~~CHEM 420 Environmental Chemical Analysis~~
- ~~CHEM 421 Instrumental Analysis~~
- ~~CHEM 442 Physical Chemistry II~~
- ~~CHEM 493 Advanced Chemistry Research (1-3 hours)~~
- ~~MATH 238 Calculus III~~

Changes in Requirements for the Professional Concentration

4. Required Course in Other Departments: (12 hours)

- BIOL 149 General Biology
- BIOL 310 Cell Biology
- MATH 238 Calculus III

Engineering

CONCENTRATIONS	ELECTRICAL	MATERIALS
Hours Required in Engineering:	55-58	57-58
Hours Required in Other Disciplines:	34	34
Total Hours Required:	89-92	91-92

Summary of Requirements for Major in Engineering

1. Core Courses (49 hours)

- CHEM 201 General Chemistry I (GEP Group C)
- ENEE 114 Programming Concepts for Engineers
- ENES 100 Introduction to Engineering Design
- ENES 401 Fundamentals of Energy Engineering
- ENES 491 Engineering Seminar
- ENME 272 Introduction to Computer-Aided Design
- MATH 236 Calculus I (Core Skill 3)*
- MATH 237 Calculus II*
- MATH 238 Calculus III*
- MATH 432 Differential Equations*
- PHYS 261 Principles of Physics I – Mechanics (GEP Group C)*
- PHYS 262 Principles of Physics II – Thermodynamics, Electricity and Magnetism*
- PHYS 263 Principles of Physics III – Sound and Light*
- PHYS 264 Principles of Physics IV – Modern Physics*

*All majors must earn a C or better in MATH 236, MATH 237, MATH 238, MATH 432, PHYS 261, PHYS 262, PHYS 263 and PHYS 264.

2. Area of Concentration (40-43 hours)

Majors must choose to concentrate in one of the following areas:

Electrical Engineering (40-43 hours)

- ENEE 204 Basic Circuit Theory
- ENEE 206 Fund. Digital and Electric Circuits Lab
- ENEE 244 Digital Logic Design
- ENEE 303 Analog and Digital Electronics
- ENEE 307 Electronic Circuits Lab
- ENEE 322 Signal and System Theory
- ENEE 350 Computer Organization
- ENEE 380 Electromagnetic Theory
- ENEE 445 Introduction to Communication Systems
- ENES 310 Mechatronic and Robotic Design
- ENEE 408 Capstone Design Project for Electrical Engineers
- ENEE 439 Topics in Signal Processing
- ENEE 475 Power Electronics

Two electives from any 300- or 400-level ENEE, ENES or ENME course or CHEM 304

Materials Engineering (42-43 hours)

- ENES 102 Statics
- ENES 220 Mechanics of Materials
- ENES 221 Dynamics
- ENME 232 Thermodynamics
- ENME 331 Fluid Mechanics
- ENME 332 Transfer Processes
- ENME 350 Electronics and Instrumentation I
- ENME 351 Electronics and Instrumentation II
- ENME 382 Engineering Materials and Manufacturing
- ENME 405 Fundamentals of Materials Engineering
- ENME 410 Capstone Design Project for Materials Engineering
- ENME 425 Microfabrication

Two electives from any 300- or 400-level ENEE, ENES, or ENME course or CHEM 304

Engineering BS at AACC

Changes in requirements

Total Hours Required at FSU: 50

*Courses at FSU (50 hours)

- ENEE 303 Analog and Digital Electronics
- ENEE 307 Electronic Circuits Lab
- ENEE 322 Signal and System Theory
- ENEE 350 Computer Organization
- ENEE 380 Electromagnetic Theory
- ENEE 408 Capstone Design Project for Electrical Engineers
- ENEE 439 Topics in Signal Processing
- ENEE 445 Introduction to Communication Systems
- ENEE 475 Power Electronics
- ENES 310 Mechatronic and Robotic Design
- ENES 401 Fundamentals of Energy Engineering
- ENES 491 Engineering Seminar
- ENGL 338 Technical Writing

Two electives from any 300- or 400-level ENEE, ENES or ENME course. Any courses offered at FSU to meet credit requirements.

All majors must earn a C or better in the following prerequisite courses for the major requirements at FSU: ENEE 204, ENEE 206, ENEE 244, MATH 236, MATH 237, MATH 238, MATH 432, PHYS 261, PHYS 262, PHYS 263 and PHYS 264.

*Other courses as needed to meet FSU graduation requirements.

Engineering BS at Cecil College

New Coordinator:

Wudyalew Wondmagegn,
Assistant Professor

Changes in requirements

Total Hours Required at FSU: 55

*FSU Courses (55 hours)

- ENGL 338 Technical Writing
- ENME 331 Fluid Mechanics
- ENME 332 Transfer Processes
- ENME 350 Electronics and Instrumentation I
- ENME 351 Electronics and Instrumentation II
- ENME 382 Engineering Materials and Manufacturing
- ENME 405 Fundamentals of Materials Engineering
- ENME 425 Microfabrication
- ENES 401 Fundamentals of Energy Engineering
- ENES 491 Engineering Seminar
- ENEE 408 Capstone Design Project for Electrical Engineers

Three electives from any 300-400 level ENES, ENEE, or ENME course and one additional elective (any)

For students transferring from Cecil College: Students at FSU are required to have 3 credits in arts and 6 credits in humanities. Since Cecil College requires only 3 credits in arts and humanities (plus EGL 102, which counts as 6 credits of humanities), students will need to complete an additional course in the category in which they are deficient once admitted to FSU.

*Other courses as needed to meet FSU graduation requirements.

English

	MAJOR	MINOR
Hours Required in English:	42	24
Hours Required in Other Departments:	0	0
Total Hours Required:	42	24

Changes in requirements for major:

Summary of Requirements for Major/Minor in English

1. Core Curriculum (15 hours)

- ENGL 260 British Literature: Beowulf to Present*
- ENGL 261 American Literature: Colonial to Present*
- ENGL 270 European and Neo-European Literature*
or ENGL 271 Asian and African Literature*
- ENGL 300 Critical Writing About Literature* (Core Skill 2)
- ENGL 306 English Language Structure and Development *†

*Must have a C or better to count toward major.

2. Concentrations:

ENGL 489 Capstone increased from 1 to 3 credits, increasing total Concentration Requirements credits, and credits for major from 40 to 42

New Minor:

Requirements for Creative Writing Minor

1. Core (12 hours)

- ENGL 334 Creative Writing: Fiction
- ENGL 335 Creative Writing: Poetry
- ENGL 460 Form and Theory of Fiction and Poetry
- ENGL 434 Advanced Fiction Writing
OR ENGL 435 Advanced Poetry Writing

2. Electives (9 hours)

Choose from the following

- ENGL 100 Publication Practicum (1 hour; repeatable to 4 credits)
- ENGL 360 Creative Nonfiction
- ENGL 377 Modernism OR ENGL 378 Postmodernism
- ENGL 402 Editing and Production
- ENGL 430 Composing Processes
- ENGL 434 Advanced Fiction Writing (if not taken for core)
- ENGL 435 Advanced Poetry Writing (if not taken for core)
- THEA 350 Playwriting

Relevant special topics courses are also welcomed as electives as approved by the coordinator.

Requirements for Certification in Teaching Secondary English

2. Certification Requirements: (31 hours)

Students must complete the requirements for the Literature Concentration (25 credits). In addition, they must complete the following requirements (6 credits):

ENGL 276 Adolescent Literature
ENGL 430 The Composing Processes

Highly recommended: Either ENGL 336 Journalism or ENGL 491 Practicum in the Teaching of Writing.

Summary of Requirements for Certification in Teaching Secondary English

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

Complete the BA/BS in English: Literature Concentration.

- Take some additional coursework in English to qualify for Maryland State certification and to meet NCATE accreditation standards: ENGL 276, ENGL 416 and ENGL 430.
- Meet the phase admissions requirements summarized in the Educational Professions section.
- Declare a second major in Secondary Teacher Education. See the Secondary Teacher Education Program Coordinator for details.
- Complete the professional education sequence described in Education: Secondary Programs.

If you wish to pursue certification for teaching at the secondary level, through a Master of Arts in Teaching degree, you should complete the undergraduate English major and then the Master of Arts in Teaching program. In the English major, you should choose the Literature Concentration. In addition, you must complete the following courses:

ENGL 276 Adolescent Literature
ENGL 306 English Language Structure and Development
ENGL 430 The Composing Processes

If the courses listed above are not completed on the undergraduate level, candidates for the Master of Arts in Teaching program may be required to take additional coursework to meet content standards. It is highly recommended that candidates take ENGL 491 Practicum in the Teaching of Writing.

Foreign Languages & Literature

	MAJOR	MINOR
Hours Required in Foreign Languages & Literature:	36	18
Hours Required in Other Departments:	0	0
Total Hours Required:	36	18

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

Major

1. Core Curriculum (9 hours)

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

2. Advanced Courses (27 hours)

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

Minor

1. Core Curriculum (9 hours)

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

2. Advanced Courses (9 hours)

Any three 300 or 400-level courses in Spanish

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

1. Core Curriculum (9 hours)

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

2. Advanced Courses (9 hours)

Any three 300 or 400-level courses in French

Geography

Changes in climate science concentration

	CLIMATE SCIENCE CONC.
Hours Required in Geography:	41-42
Hours Required in Other Departments:	6
Total Hours Required:	47-48

1. Required Core Courses: (20 hours)

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

2. Required Climate Science Courses:*(12 hours)*

- GEOG 205 or PHSC 205 Descriptive Meteorology
 GEOG 330 Global Climate Change
 GEOG 405 Physical Climatology
 GEOG 469 Principles of Atmospheric Science

3. Advanced Physical Geography: (3-4 hours)*Select one from:*

- GEOG 335 Oceanography
 GEOG 340 Soil: Genesis, Nature & Characterization
 GEOG 341 Geochemistry
 GEOG 430 Surface Water Hydrology
 GEOG 431 Quaternary Environments
 GEOG 432 Groundwater Hydrology
 GEOG 445 Biogeography
 GEOG 472 Environmental Planning

4. Human-Earth Relationships: (3 hours)*Select one from:*

- GEOG 324 Urban Geography
 GEOG 360 Food Systems
 GEOG 406 Management & Conservation of Natural Resources
 GEOG 423 Geography of the Suburbs
 GEOG 425 Geography of Transportation
 GEOG 454 Geography of Tourism
 GEOG 460 Natural Hazards in the Physical Environment
 GEOG 473 Environmental Law

5. Geographic Techniques: (3 hours)*Select one from:*

- GEOG 317 Principles of Geographic Information Science
 GEOG 413 Remote Sensing - Image Interpretation
 GEOG 420 Topics in the Mapping and Geospatial Sciences
 GEOG 433 Surveying and Field Techniques

6. Required Courses in Other Departments (6 hours)

- MATH 109/110 Elements of Applied Probability and Statistics
 (Core Skill 3)
 MATH 220 Calculus for Applications
 or MATH 236 Calculus I (Core Skill 3)

7. Recommendations:*Students are encouraged to select additional course work:*

- COSC 130 Introduction to Programming
 MATH 236/237/238 Calculus I/II/III

- PHSC 215 General Physics 1
 Additional Geographic Techniques courses
 Additional Advanced Physical Geography courses

Health Science

Additional Elective

3. Health and Natural Science Electives*(32 credits)*

- ATTR 305 Care and Prevention of Athletic Injuries
 ATTR 320 Pharmacology and General Medical Conditions
 BIOL 304 Microbiology
 BIOL 310 Cell Biology
 BIOL 350 Genetics
BIOL 401 Genetics Laboratory
 BIOL 404 Histology
 BIOL 412 General Parasitology
 BIOL 435 Molecular Biology
 BIOL 440 Developmental Biology
 BIOL 445 Immunology
 CHEM 311/312 Organic Chemistry I
 CHEM 321/322 Organic Chemistry II
 CHEM 455 Biochemistry I
 CHEM 456 Biochemistry Laboratory
 CHEM 457 Biochemistry II
 EXSS 200 Nutrition
 EXSS 303 Biomechanics for Exercise and Sport Science
 EXSS 341 Psychology of Physical Activity
 EXSS 401 Physiology of Exercise
 HLTH 125 Health and Culture
 HLTH 330 Epidemiology of Health
 HLTH 405 Sexuality

History

Additional Elective for History of the Americas Concentration

1. Select five courses from the following:

- HIST 303 History of Latin America to 1825
 HIST 304 History of Latin America, 1825 to present
 HIST 409 World Environmental History
 HIST 418 Native Peoples of the Americas (GEP Group F)
 HIST 420 Green: Environment and Economy in U.S. History
 HIST 433 Public History
HIST 434 Women in the United States
 HIST 436 Women's Issues in World History (GEP Group F)
 HIST 445 History of Maryland
 HIST 450 History of Mexico

HIST 455	Latin American Revolutions
HIST 461	Colonial America, 1607-1763
HIST 462	Revolutionary America, 1763-89
HIST 463	The Age of Jefferson and Jackson, 1789-1848
HIST 464	The Civil War and Reconstruction, 1849-77
HIST 465	Gilded Age America, 1877-1913
HIST 466	The U.S. in the 20th Century, 1914-45
HIST 467	The U.S. in the 20th Century, 1945-Present
HIST 470	America and the Vietnam War
HIST 480	The American West
HIST 482	Experiential History/Americas
HIST 490	Special Topics in History of the Americas

International Studies

Change in requirements for International Business Concentration

3. Additional Courses: (27 hours)

A. Required Courses: (18 hours)

ACCT 211	Financial Accounting
BLAW 291	Legal Environment of Business
INTR 330	International Business

and one of the following pairs of courses:

FINA 370	Corporate Finance*
FINA 477	International Financial Management

or

MGMT 251	Management of Organizations
MGMT 450	International Management

or

MKTG 361	Principles of Marketing
MKTG 460	International Marketing

Journalism

Summary of Requirements for Minor in Journalism

1. Required Courses: (18 hours)

ENGL 336	Journalistic Writing
ENGL 402	Editing and Production
ENGL 436	Advanced News and Feature Writing
ENGL 494	Field Experience
MCOM 326	Writing for the Electronic Media
MCOM 447	Telecommunications Law

2. Electives: (3 hours)

Choose one from the following:

ENGL 355	Socially Networked Journalism
ENGL 360	Creative Nonfiction

Any 300- or 400-level HIST or POSC course

Liberal Studies

Change in Requirements

- Only courses in which a C or better is earned will count toward satisfaction of major requirements.
- The Liberal Studies major may be completed on the Frostburg campus and at the University System of Maryland in Hagerstown.
- You cannot earn a minor in Liberal Studies.

Mass Communication

Changes to Professional Focuses

Audio Production

Radio Industry

Audio Industry (new)

Video Production
 Audio/Video Production
 Media Management
 Events Planning
 Media Promotions

New Audio Industry focus:

Choose four from:

MCOM 150	Introduction to Radio
MCOM 213	Audio Production
MCOM 250	Announcing and Performance
MCOM 313*	Advanced Audio Production
MCOM 316*	Electronic Media Management
MCOM 336*	Broadcast-Cable Programming
MCOM 465*	Music Promotion and Production
MCOM 499*	Directed Study
MUSC 358	The Business of Music and Arts Management

	OPTIONS		MAJOR CONCENTRATIONS		MAJOR TRACK	
	MUSIC EDUCATION	TEACHING CERT. OPTION	VOCAL PERFORM	MUSIC INDUSTRY	INST. PERFORMANCE	MINOR
Hours Required in Music:	76.5	62	66	66-69	63	23
Hours Required in Other Depts:	12	37.5	15-24	15-18	0	0
Total Hours Required:	84.5	99.5	81-90	81-84	63	23

Music

Extensive changes in requirements

Summary of Requirements for Major in Music

Core Requirements: (48-49 hours)

1. Music Theory: (20 hours)

MUSC 102 Tonal Analysis I
 MUSC 103 Tonal Analysis II (Tech. Fluency)
 MUSC 104 Aural Musicianship I
 MUSC 105 Aural Musicianship II
 MUSC 204 Tonal Analysis III
 MUSC 205 Tonal Analysis IV
 MUSC 206 Aural Musicianship III
 MUSC 207 Aural Musicianship IV

2. Music History & Literature: (9 hours)

MUSC 110 Music Appreciation (GEP Group A)
 MUSC 308 Music History I
 MUSC 309 Music History II
 MUSC 313 Music History III

3. Ensemble:

(8 hours for performance concentrations, 7 hours for music industry and teaching certification option)

Select from:

MUSC 319 University Chorale
 MUSC 330 Wind Ensemble
 MUSC 335 String Ensemble
 MUSC 336 Guitar Ensemble
 Option in Music Education

4. Piano Proficiency and Sophomore Evaluation

Students must successfully pass the Department of Music Piano Proficiency Exam and Sophomore Evaluation to achieve Junior status in the degree.

5. Private Instruction: (12 hours)

MUSA 116-123 Private Instruction
 and/or MUSA 356-363 Private Instruction

Requirements for Minor in Music

Core Requirements: (23 hours)

1. Music Theory: (10 hours)

MUSC 102 Tonal Analysis I
 MUSC 103 Tonal Analysis II (Tech. Fluency)
 MUSC 104 Aural Musicianship I
 MUSC 105 Aural Musicianship II

2. Music History & Literature: (6 hours)

MUSC 308 Music History I
 MUSC 309 Music History II
 MUSC 313 Music History III

3. Ensemble: (3 hours)

Select from:

MUSC 319 University Chorale
 MUSC 330 Wind Ensemble
 MUSC 335 String Ensemble
 MUSC 336 Chamber Guitar Ensemble

4. Private Instruction: (4 hours)

MUSA 116-123 Private Instruction
 and/or MUSA 356-363 Private Instruction

Summary of Requirements for Option in Music Education

This option is designed for students to complete a degree in Music with an Option in Music Education. It does not require completion of initial certification or the MAT. For students who wish to complete the MAT or pursue careers in music education that do not require certification, they should follow this option. All students who complete this Undergraduate Option in Music Education will receive a Bachelor of Science in Music upon successful completion of the requirements outlined below.

Entrance Requirements for those students opting to complete the Master of Arts in Teaching (MAT):

After completion of the sophomore evaluation, apply for provisional admission to the MAT program. Students applying to the MAT must meet all entry requirements as set forth by the College of Education MAT program. A transcript review will be completed prior to entrance into the MAT after completion of the Undergraduate Degree. Any deficiencies must be complete before full admission to the MAT program. Students in this Option will complete the Bachelor of Science in Music and

complete all of the prerequisites to enter the Master of Arts in Teaching to complete their certification.

Please note, students taking this option should work with their advisor to create a plan of study that allows these 9 credits of graduate courses to be taken throughout the Junior and Senior years in addition to a minimum of 12 undergraduate credits per semester. Please note that winter session and summer courses may affect your ability to meet these requirements.

1. Core Courses: (49 hours)

Required for all music majors; listed above.

2. Recital Requirement: (1 hour)

MUSA 490 Senior Recital (Capstone)

3. Supplemental Requirements: (4 hours)

MUSA 117 Private Instruction (Piano) (2 semesters required)

And select 2 hours from:

MUSA 116-123 Private Instruction
and/or MUSA 356-363 Private Instruction

4. Other Requirements for Option in Music Education: (17.5 hours)

MUSA 108 Class Instruments: Strings
MUSA 208 Class Instruments: Woodwinds
MUSA 209 Class Instruments: Brass
MUSA 311 Class Instruments: Percussion
MUSC 413 Vocal Pedagogy

MUSC 125 Introduction to Music Education

MUSC 210 Diction I

MUSC 211 Diction II

MUSC 252 Early Music Experience

MUSC 310 Basic Principles of Conducting I – Choral

MUSC 410 Basic Principles of Conducting II – Instrumental

Students must successfully pass Praxis I or meet the SAT/ACT score exemption requirements.

5. Supplemental ensemble requirement(s): (2 hours)

(Students whose primary instrument is Piano/Guitar should take each ensemble once. Students whose primary instrument is voice should enroll in two semesters of Wind Ensemble. Students whose primary instrument is woodwinds, brass, percussion, or strings should enroll in two semesters of University Chorale.)

Choral Emphasis

MUSC 330 Wind Ensemble

Instrumental Emphasis

MUSC 319 University Chorale

6. Other Course Requirements: (9 hours)

Complete at least 9 credits outside of the music major.

Students who are admitted into the Option in Music Education must complete the following courses to meet this requirement.

Please note, students taking this option should work with their advisor to create a plan of study that allows these 9 credits of graduate courses to be taken throughout the Junior and Senior years in addition to a minimum of 12 undergraduate credits per semester. Please note that winter session and summer courses may affect your ability to meet these requirements.

EDUC 552 General Music Methods for Elementary School

EDUC 553 General Music Methods for Secondary School

Choose one:

MUSC 552 Choral Music Methods K-12

MUSC 553 Instrumental Music Methods K-12

Summary of Requirements for the Teaching Certification Option in Music

1. Core Courses: (48 hours)

Required for all music majors; listed above.

2. Recital Requirement: (1 hour)

MUSA 490 Senior Recital (Capstone)

3. Other Required Courses for P-12 Teaching Certification: (51.5 hours)

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

Complete the following additional courses in music:

MUSA 108 Class Instruments I: Strings
MUSA 208 Class Instruments II: Woodwinds
MUSA 209 Class Instruments III: Brass
MUSA 311 Class Instruments IV: Percussion
MUSC 310 Basic Principles of Conducting I - Choral
MUSC 410 Basic Principles of Conducting II
- Instrumental

- If your performing area is instrumental, you must complete 2 credit hours of MUSC 319 University Chorale.
- If your performing area is guitar, you must complete 2 credit hours of MUSC 319 University Chorale and 2 credit hours of MUSC 330 Wind Ensemble.
- If your performing area is vocal, you must complete MUSA 210 Diction I and MUSC 211 Diction II.
- Meet the phase admissions requirements summarized in the Educational Professions section.

Complete the professional education sequence described in the Education: P-12 Programs.

Summary of Requirements for the Instrumental Performance Track

1. Core Courses: (49 hours)

Required for all music majors; listed above.

2. Recital Requirements: (2 hours)

MUSA 390 Junior Recital

MUSA 490 Senior Recital (Capstone)

3. Supplementary Requirements: (3 hours)

MUSA 116-123 Private Instruction

MUSA 356-363 Private Instruction

MUSC 315, 319, 327, 331, 337, 339 Ensembles

4. Other Requirements: (11 hours)

MUSC 310 Basic Principles of Conducting I - Choral
 MUSC 401 Post-Tonal Analysis

And select five hours from:

MUSA 213 Piano Pedagogy
 MUSC 305 Orchestration
 MUSC 360 Special Topics in Music (up to 4 credits)
 MUSC 499 Individual Research in Music (up to 4 credits)

5. Minor or Other Course Requirements: (15 hours)

Complete a minor of the student's choosing or a minimum of at least 15 credits outside of the music major.

Summary of Requirements for the Music Industry Concentration

1. Core Courses: (48 hours)

Required for all music majors; listed above.

2. Advanced Courses: (18-21 hours)

MUSC 356 Computer Music Technology
 MUSC 390 Junior Recital
 MUSC 358 The Business of Music and Arts Management
 MUSC 494 Practicum in Music Industry
 (MUSC 494: 3 hours must be begun after Sophomore Evaluation is completed prior to taking MUSC 494)
 MUSC 495 Internship in Music Industry (9 or 12 hours) (Capstone)

3. Required Courses in Other Departments:

(15-18 hours)

BUAD 100 Introduction to Business
 MCOM 213 Audio Production
 MCOM 465 Music Promotion and Production

And select 6-9 hours from the following courses

MKTG 361 Principles of Marketing
 ECON 200 Introduction to Economics
 COSC 120 Introduction to Cyberspace
 MCOM 313 Advanced Audio Production
 RECR 384 Special Event Management

Summary of Requirements for the Music Studies Track

1. Core Courses: (49 hours)

Required of all music majors; listed above.

2. Supplementary Course Requirements:

(11 hours)

MUSC 310 Basic Principles of Conducting I - Choral
 MUSC 401 Post-Tonal Analysis

And select 5 hours from:

MUSA 213 Piano Pedagogy

MUSC 305 Orchestration
 MUSC 360 Special Topics in Music (up to 2 cr.)
 MUSC 412 History of Musical Theatre

3. Supplementary Lesson Requirements: (2 hours)

MUSA 116-123 Private Instruction
 MUSA 356-363 Private Instruction

4. Supplementary Ensemble Requirements: (2 hours)

Selected from: MUSC 315, 319, 321, 327, 331, 335, 336, 337, 339, 340, 370 Ensembles

5. Capstone Experience: (1 hour)

MUSC 493 Senior Research

6. Minor or Other Course Requirements: (15 hours)

Complete a minor of the student's choosing or a minimum of at least 15 credits outside of the music major.

Summary of Requirements for the Vocal Performance Concentration

1. Core Courses: (49 hours)

Required for all music majors; listed above

2. Recital Requirements: (2 hours)

MUSA 390 Junior Recital
 MUSA 490 Senior Recital (Capstone)

3. Supplementary Requirements: (3 hours)

MUSA 116-123 Private Instruction
 MUSA 356-363 Private Instruction
 MUSC 315, 327, 331, 337, 339, 340 Ensembles

4. Other Requirements for Vocal Performance Majors: (12 hours)

MUSC 210 Diction I
 MUSC 211 Diction II
 MUSC 310 Basic Principles of Conducting I - Choral
 MUSC 346 Opera and Art Song Repertoire
 MUSC 401 Post-Tonal Analysis
 MUSC 413 Vocal Pedagogy

And select two hours from the following:

MUSC 305 Orchestration
 MUSC 346 Opera and Art Song Repertoire
 MUSC 360 Special Topics in Music
 MUSC 499 Individual Research in Music

5. Minor or Other Course Requirements:

(15 hours)

Complete a minor of the student's choosing or a minimum of at least 15 credits outside of the music major.

Jazz Studies Minor Core Requirements

1. Music Theory and History: (16 hours)

MUSC 102	Tonal Analysis I
MUSC 103	Tonal Analysis II (<i>Tech. Fluency</i>)
MUSC 104	Aural Musicianship I
MUSC 105	Aural Musicianship II
MUSC 214	Jazz Theory and Analysis
MUSC 311	Jazz History (<i>GEP Group F</i>)

2. Ensemble: (4 hours)

4 hours selected from:

MUSC 327	Jazz Orchestra (for instrumentalists)
MUSC 370	Vocal Jazz Ensemble (for vocalists)

3. Private Instruction: (4 hours)

MUSC 122	Jazz Private Instruction
and/or MUSC 362	Jazz Private Instruction

Summary of Requirements for Minor in Musical Theatre

1. Music Courses: (9 hours)

MUSC 104	Aural Musicianship I	2 cr.
MUSC 412/THEA 412	History of Musical Theatre	3 cr.
MUSC 169	Music Theory for Musical Theatre	2 cr.
MUSA 125 or 325	Private Instruction in Musical Theatre Voice	2 cr.

2. Theatre Arts: (12 hours)

THEA 110	Introduction to Acting	3 cr.
THEA 208	Acting: Basic Principles and Application	3 cr.
THEA 210	Voice and Movement I	3 cr.
THEA 211	Voice and Movement II	3 cr.

3. Dance: (5 hours)

DANC 154	Jazz I	2 cr.
DANC 361	Dance for Musical Theatre	3 cr.

4. Ensemble/Experiential Learning Requirement: (2 hours)

Choose from:

MUSC 321	Opera Workshop	1 cr.
THEA 105	Performance Practicum	1 cr.

(Only musical productions will be counted for THEA 105)

Students may not fulfill their MUSC 321 and THEA 105 (musical) requirements during the same semester.

Sociology

The sociology program has been suspended at USM-H.

Women's Studies

New Coordinator:

Jennifer Earles, Assistant Professor, Department of Sociology

Additional Elective:

2. Elective Courses: (15 hours)

SOCI 332	Collective Behavior and Social Movements
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New & Revised Course Descriptions

Chemistry

Changes in prerequisite:

CHEM 455 Biochemistry I 3 cr.

The chemistry and metabolism of biological compounds, biochemical thermodynamics, enzyme mechanisms and kinetics. Three hrs. lecture. Fall. *Prerequisite: CHEM 321, BIOL 310 or permission of the instructor.*

Educational Professions

Change in credits:

EDUC 300 Phase II Teaching & Professional Assessment

Laboratory 1 cr.

Videotaped teaching segments with students in school settings. Skills practice and analysis using various teaching models, classroom management techniques and assessment practices. Participation in seminars on current topics in education. Screening for selected academic and instructional proficiencies. Graded P/F. Every semester. *Prerequisite: admission to Phase II and concurrent enrollment in Phase II methods and appropriate field work experiences.*

EDUC 335 Teaching Framework 3 cr.

Analysis of education in America and self-assessment to determine match between abilities and demands of the education profession. Students will write instructional objectives, prepare lesson plans and teach a series of lesson plans to their peers to determine strengths and weaknesses. Initial portfolio development and reflection. Fall semester. *Prerequisite: admission to Phase I in the Early Childhood/Elementary program at USMH.*

Changes in title and course description:

EDUC 422 Leadership Seminar 3 cr.

Educational leadership in schools, communities and professional organizations. Elements of developmentally appropriate planning, instruction, assessment and classroom management and the collection of evidence of candidate's practices in the final internship. Management strategies for student behavior, curriculum, material and resources. Professional preparation, critical reflection and advocacy emphasized. Every semester. *Prerequisite: Phase III admission. Capstone.*

Changes in Course Numbers:

EDUC 354 = EDUC 452 General Music Methods in the Elementary School

EDUC 355 = EDUC 453 General Music Methods in the Secondary School

MUSC 352 = MUSC 452 Choral Music Methods K-12

MUSC 353 = MUSC 453 Instrumental Music Methods K-12

REED 317 = REED 417 Content Area Reading

English

Deleted course:

ENGL 421 Jane Austen in Literature and Film

Change in title:

ENGL 101 First-Year Composition 3 cr.

Addresses the processes of composition and develops intermediate skills in writing essays with an argumentative edge. Based on readings for diverse audiences, it prepares students for writing documented essays. Every semester. *Students may not withdraw unless withdrawing from the University. Core Skill 1.*

ENGL 111 Honors: First-Year Composition 3 cr.

Development of intermediate skills in writing based on readings for general audiences. Preparation for honors-level courses. Credit cannot be earned for both ENGL 101 and ENGL 111. Every semester. *Prerequisite: enrollment in the Honors Program. Core Skill 1*

Changes in frequency:

ENGL 260 British Literature: Beowulf to Present 3 cr.

A survey of British literature from Beowulf to the present. Includes major works from each period to provide historical perspective. Designed for English majors and minors. Spring. *Prerequisite: C or better in ENGL 101 or 111.*

ENGL 261 American Literature: Colonial to Present 3 cr.

A survey of American literature from colonial times to the present. Includes works from each period to provide historical perspective. Designed for English majors and minors. Fall. *Prerequisite: C or better in ENGL 101 or 111.*

ENGL 270 European & Neo-European Literature 3 cr.

Works, in translation, important to European and Neo-European cultures, such as selections from the Old Testament, the literature of ancient Greece and Rome, Italian, French, Spanish, German, Russian, etc., literatures. Fall of even-numbered years. *Prerequisite: C or better in ENGL 101 or 111 or equivalent.*

ENGL 271 Asian & African Literature 3 cr.

Including works, in translation, from Asian and African cultures, such as the major works of the Middle East, India, the African nations, China, and Japan. Fall of odd-numbered years. *Prerequisite: C or better in ENGL 101 or 111 or equivalent.*

ENGL 300 Critical Writing About Literature 3 cr.

Introduction to literary theory to develop critical perspectives on literary works and provide flexible writing strategies. Advanced writing about literature. Required of English majors and minors. Readings involve literary analysis and criticism. Spring. *Prerequisites: C or better in ENGL 101 or 111. Prior literature course at the 200-level required. Core Skill 2.*

ENGL 335 Creative Writing: Poetry 3 cr.

Major elements of poetry: imagery, metaphor, theme, form. Both lyric and narrative poetry. Class critiques of student work. Fall. *Prerequisite: C or better in ENGL 101 or 111.*

ENGL 340 Shakespeare 3 cr.

A selection from the histories, comedies, major tragedies, and problem plays or romances. Fall. *Prerequisite: C or better in ENGL 101 or 111.*

ENGL 430 The Composing Processes 3 cr.

A survey of theory and research on the composing processes. Fall. *Prerequisite: 6 hrs. of writing courses, including one from the 300 writing series offered by the English department.*

Course description changes:**ENGL 306 English Language Structure and Development 3 cr.**

A study of the grammars and grammatical aspects of English as well as of history of language development over the centuries, language use in society, language change, and language acquisition and processing. Spring semester. *Prerequisite: C or better in ENGL 101 or 111*

ENGL 344 Film Theory 3 cr.

Critical survey of world film with an emphasis on theoretical schools and movements. Three hours discussion with a weekly film viewing. Spring, odd-numbered years. *Prerequisite: ENGL 101 or 111 or equivalent or permission of instructor.*

ENGL 355 Socially Networked Journalism 3 cr.

Gathering, writing, and disseminating news via social-networking platforms. Introduction to online beat coverage. Logistical and ethical challenges of the 24-hour news cycle. Spring, odd-numbered years. *Prerequisite: C or better in ENGL 101 or 111.*

ENGL 360 Creative Nonfiction 3 cr.

Personal prose writing about factual material, including memoirs, political commentary and arts criticism. Spring, even-numbered years. *Prerequisite: C or better in ENGL 101 or 111.*

ENGL 450 Women and Literature 3 cr.

A cross-cultural study of womanhood as portrayed by male and female writers over the centuries. Variable. *Prerequisite: C or better in ENGL 101 or 111.*

ENGL 438 Applied Digital Writing 3 cr.

Introduction to writing within various digital genres of the Internet and other multimedia systems; use of multimedia tools in conjunction with writing; analysis of existing media online. Variable. *Prerequisite: ENGL 101, 111, or equivalent. Tech. Fluency.*

ENGL 489 English Capstone 3 cr.

Conversion of students' working portfolios, accumulated during their careers as English majors, into "best works" collections for professional application and departmental assessment purposes. Other assessment activities possible. Fall. *Prerequisite: senior status.*

Foreign Languages

Deleted courses:

- SPAN 401 Literature of Spain I**
- SPAN 402 Literature of Spain II**
- SPAN 403 Spanish American Literature I**
- SPAN 404 Spanish American Literature II**
- SPAN 425 Latinos in the USA**
- SPAN 435 Literature of Women Writers**

New courses:**SPAN 409 Hispanic Literature 3 cr.**

Survey of literature in Spanish from the Golden Age to the present. Representative figures and major literary developments. Variable. *Prerequisite: SPAN 250 and two 300-level Spanish courses.*

SPAN 430 Advanced Reading & Conversation 3 cr.

Emphasis on comprehension and conversation skills by focusing on a list of readings. Grammar is covered in the readings. Variable. *Prerequisite or corequisite: SPAN 250 or equivalent.*

SPAN 431 Advanced Reading & Composition 3 cr.

Emphasis on comprehension, interpretation, and written skills by focusing on a list of readings. Grammar is covered in the readings. Variable. *Prerequisite or corequisite: SPAN 250.*

Changes in course descriptions:**FREN 101 Basic Elements of French I 3 cr.**

Fundamental skills: listening, speaking, reading, writing. Emphasis on active performance. Fall. *GEP Group B.t.*

FREN 211 French Grammar, Composition, and Conversation I 3 cr.

Intensive grammar, oral command of the language, introduction to expository writing. Variable.

FREN 212 French Grammar, Composition & Conversation II 3 cr.

Sequel to FREN 211. Variable.

FREN 250 Overview of French Language and Culture 3 cr.

Survey of French language through study of major aspects of French and Francophone cultures. Serves as a gateway to advanced study in French. May be taken concurrently with a 300-level course. Fall. *Prerequisite: FREN 212 or equivalent.*

SPAN 101 Basic Elements of Spanish I 3 cr.

Fundamental skills: listening, speaking, reading, writing. Emphasis on active performance. Every semester. *GEP Group B.*

SPAN 211 Spanish Grammar, Composition, & Conversation I 3 cr.

Intensive grammar, oral command of the language, introduction to expository writing. Variable.

SPAN 250 Overview of Spanish Language & Culture 3 cr.

Survey of Spanish language through study of major aspects of Spanish and Latin American cultures. Serves as a gateway to advanced study in Spanish. May be taken concurrently with a 300-level course. Every semester. *Prerequisite: SPAN 212 or equivalent*

SPAN 489 Capstone in Spanish 3 cr.

Capstone experience in Spanish language and cultures, incorporating an oral presentation, dossier of written work, faculty assessment of language and cultural proficiency, and articulation of goals for the use of the language and culture in professional setting. Fall. *Prerequisite: 90 credits or permission of instructor.*

Geography

GEOG 421 Regional Planning 3 cr.

Contemporary topics in regional planning and development. Group and individual projects and research. Fall. *Prerequisite: GEOG 222 or permission of instructor.*

GEOG 405 Physical Climatology 3 cr.

Overview of the physical processes that define Earth's global climate. Movement of energy and water throughout the climate system, global circulation, distribution of climate types, natural and anthropogenic controls of climate, land-atmosphere interactions, spatial and temporal patterns, climate variability and change, and analysis of climate data. Two hrs. lecture and 2 hrs. lab. Fall. *Prerequisite: GEOG 103/113. GEOG 205/PHSC 205 and MATH 109 recommended.*

GEOG 469 Principles of Atmospheric Science 3 cr.

Introduction to forecasting, weather models, and physical dynamics of the atmosphere. Large-scale processes and horizontal flow, small-scale processes and the vertical dimension, Newton's laws of Motion, conservation of mass and energy, radiation, thermodynamics, and angular momentum. Spring of odd numbered years. *Prerequisite: GEOG 205/PHSC 205 or GEOG405 and MATH109, or permission of instructor. MATH119 recommended.*

New Course:

GEOG 330 Global Climate Change 3 cr.

"What causes Earth's climate to change?" is one of the most important questions of our time. This course includes an evaluation of the natural and anthropogenic factors that cause a change in global and regional climates. Modern climate change, future climate scenarios, policy, and mitigation strategies will also be explored. Spring, even-numbered years. *Prerequisite: GEOG103/113.*

Deleted course:

GEOG 429 Synoptic Climatology

History

Title changes:

HIST 103 History of the United States to 1876 3 cr.

Survey of the political, social, economic, and diplomatic trends in United States history from 1492 until 1876. Fall.

HIST 104 History of the United States, 1876 to the Present 3 cr.

Survey of the political, social, economic, and diplomatic trends in United States history from 1876 to the present. Spring.

HIST 113 World History to 1500 3 cr.

Survey of Western and Non-Western Civilizations and cultures from the earliest times to 1500. Fall.

HIST 114 World History, 1500-1900 3 cr.

Survey of Western and non-Western Civilizations and cultures from 1500 to 1900. Spring.

HIST 303 History of Latin America to 1825 3 cr.

Earlier Latin American history: Aztecs, Incas, and Mayas, the Age of Conquest, the colonial period and the struggle for independence. Variable.

HIST 304 History of Latin America, 1825 to the Present 3 cr.

Later Latin American history: the development of the Latin American nations from independence until the present. Variable.

Kinesiology & Recreation

Deleted/renamed courses:

HEED 330 = HLTH 303

PHEC 413 = ATTR 413

ATTR 408 Therapeutic Modalities in Sports Medicine 4 cr.

The study of both the theoretical and practical usage of various therapeutic modalities. Designed for individuals who routinely treat sports related injuries. 3 hours lecture/2 hrs. lab. Spring. *Prerequisite: ATTR 318. AT Majors only.*

Title Change:

HEED 485 Capstone II in Athletic Training 3 cr.

Finalization of the theoretical and clinical application of lower body injury assessment and therapeutic modalities used by athletic trainers, athletic nutrition, pharmacology and preparation for BOC exam. Spring. AT majors only.

Course Number Change:

RECR 380 = RECR 280 Recreation Leadership 3 cr.

Leadership techniques involved in recreation and park settings, including leadership in small and large groups. Fall.

New Courses:

EXSS 300 Advanced Human Nutrition 3 cr.

Assessment of in-depth study of macro- and micro nutrition digestion, including absorption, metabolism, excretion, inter-relationships, and requirements in normal individuals; effects of processing and technological alterations on nutritional quality of food and the bioavailability of nutrients. Variable. *Prerequisite: EXSS 200.*

EXSS 330 Exercise Epidemiology 3 cr.

Provides understanding of how leisure-time physical activity can be effectively promoted to enhance people's longevity and quality of life. For upper-level undergraduates who are being introduced to exercise epidemiology for the first time. Variable.

EXSS 430 Training for Peak Performance 3 cr.

The study of High-Performance Training Techniques in order to improve human performance measures. Emphasis is on functional movement patterns, corrective exercise, and improvements in athletic performance. Variable. *Prerequisites: EXSS 303 and EXSS 401.*

Management

Change in credits, description and frequency:

MGMT 494 Internship in Management 1 - 12 cr.

Guided work experience in management for business, nonprofit or government organizations. Minimum of 45 clock hours of experience for each credit. Academic components include: internship paper, internship log/journal, and site supervisor's evaluation of the student's performance. Previous experience not acceptable for credit. Repeatable for maximum of 12 credits. Every semester,

winter and summer sessions. *Prerequisites: Sophomore standing; department chair's approval.*

Mathematics

MATH 432 Differential Equations 3 cr.

Solution of ordinary differential equations, Laplace transforms, numerical methods using mathematical software, solution by series. Every semester. *Prerequisite: a grade of C or better in MATH 237.*

MATH 470 Mathematical Models and Applications 3 cr.

Model-building processes, the assumptions underlying mathematical models and the generation and interpretation of results from models. Theory and illustrative applications of modeling. Analyses of models constructed by students. Variable. *Prerequisites: MATH 237 or permission of instructor.*

MATH 490 Selected Topics in Mathematics 3 cr.

A specialized topic or recent development in mathematics. May be taken more than once if the topics are substantially different. Does not duplicate any other course offered by the Department of Mathematics. Repeatable for maximum of 6 credits if topics are substantially different. Variable. *Prerequisite: MATH 238 or permission of instructor.*

Music

Deleted course:

MUSC 415 Piano Proficiency

Credit Changes, from one credit to two credits:

MUSC 104, MUSC 105 MUSC 206, MUSC 207 Aural Musicianship

MUSC 310 Basic Principles of Conducting I – Choral 3 cr.

Introduction to the basics elements of choral and instrumental conducting. Involves study and practice of techniques of conducting, including conducting patterns, methods of interpretation, rehearsal techniques, performance practice and style, and score analysis. Emphasis on choral, combined choral and instrumental scores. Required for all Performance Specializations and P-12 Teacher certification option majors. Credit cannot be earned for both MUSC 404 and MUSC 310. Fall. *Prerequisite: MUSC 205 or permission of instructor.*

MUSC 410 Basic Principles of Conducting II – Instrumental 3 cr.

A continuation of Basic Principles of Conducting I. Emphasizes baton technique, score reading and analysis, and rehearsal procedures. Emphasis on instrumental scores. Required for P-12 certification. Credit cannot be earned for both MUSC 303 and 410. Spring. *Prerequisite: MUSC 310.*

New Courses:

MUSA 125 Musical Theatre Voice 1 cr.

Individual instruction in voice specifically for students in the Musical Theatre minor. 30-minute lesson each week. Minors are required to perform in at least one student studio recital. Performance for a faculty jury at the end of each semester in lieu of a final examination. Repeatable for credit each semester of enrollment. Every semester. *Prerequisite: concurrent enrollment in an ensemble (MUSC 321 or THEA 104. THEA 104 must be in conjunction with a musical production); permission of instructor; admission to the Musical Theatre minor required.*

MUSA 325 Musical Theatre Voice 2 cr.

Individual instruction in voice specifically for students in the Musical Theatre minor. 60-minute lesson each week. Minors are required to perform in at least one student studio recital. Performance for a faculty jury at the end of each semester in lieu of a final examination. Repeatable for credit each semester of enrollment. Every semester. *Prerequisite: concurrent enrollment in an ensemble (MUSC 321 or THEA 104. THEA 104 must be in conjunction with a musical production); permission of instructor; admission to the Musical Theatre minor required.*

MUSC 169 Music Theory for Musical Theatre Voice 2 cr.

Introduction to the vertical and linear dimensions of tonal music as it applies specifically to Musical Theatre. Review of musical fundamentals, in which students will be expected to demonstrate facility and speed in naming and spelling basic tonal materials. Introduces basic diatonic harmony and the construction of formal phrase units. Students are placed in this course based on the results of a music theory placement exam given by the Department of Music. Required for Musical Theatre Minors. Fall. *Prerequisites: Admission to the Musical Theatre minor and concurrent enrollment in MUSC 104: Aural Musicianship I, except by permission of the instructor.*

MUSC 494 Music Industry Practicum

Experiential component of the Music Industry Track. Practical application of skills developed in advance courses list. Work on departmental music productions required as part of stage crew. Hands-on work with sound systems, recording, stage managing, event production and promotion. Repeatable for credit each semester of enrollment. Every semester. *Prerequisite MUSC 358, MUSC 356.*

Physics & Engineering

Deleted course:

ENME 391 Statistical Methods for Product & Process Development

New Courses:

ENEE 445 Introduction to Communication Systems 4 cr.

Introduction to continuous waveform modulation techniques. Introduction to digital modulation techniques, random processes in communication systems analysis, understanding of analog-to-digital and digital-to-analog conversions, sampling and quantization techniques, lab experience using instrumentation equipment commonly used in industry, such as, oscilloscopes, spectrum analyzers, RF signal generators, analog-to-digital and digital-to-analog converters, etc. Two hrs. lecture and two hrs. lab per week. Spring. 4 cr. *Prerequisite: ENEE 322.*

ENME 448 Introduction to Nanotechnology: Principle, Technology and Device 3 cr.

Introduction to nanoscale science, engineering and technology. Advanced material systems will be covered, including solar cell, clean fuel, battery, supercapacitor, fuel cell and microbial fuel cell. Device principles include current technology status and new opportunities of nanotechnology for energy device applications. Three hrs. integrated lecture and lab. Fall, even-numbered years. *Prerequisites: ENME 382 and MATH 237 or equivalent.*

ENME 452 Introduction to Polymer Engineering and Manufacturing 3 cr.

Introduction to the broad spectrum of issues associated with the science, engineering, manufacturing and processing of polymers, which includes

addressing issues of blending of materials, design and production of a polymer formulation and the characterization of material properties. Design problems include producing and characterizing a polymer formulation for advanced materials application. Three hrs. integrated lecture and lab. Spring, odd-numbered years. *Prerequisites: ENME 382 and MATH 237 or equivalent.*

ENME 467 Introduction to Nanomaterials: from Synthesis to Application 3 cr.

Practical aspects of nanoscale materials synthesis and utilization. Various approaches for the synthesis and characterization of nanoparticles, nanowires, and nanotubes, and their application and devices. Three hrs. integrated lecture and lab. Fall, odd-numbered years. *Prerequisites: ENME 382 and MATH 237 or equivalent.*

ENES 098 Introduction to Additive Manufacturing 1 cr.

Introduction to additive manufacturing technology, its application to industry, and the steps involved in rapid prototyping of complex components. One hr. integrated lecture and lab. Spring. *Prerequisite: ENES 100. Does not count for credit toward the 120 hours required for graduation.*

Changes in Course Descriptions:

ENEE 204 Basic Circuit Theory 3 cr.

Basic circuit elements: resistors, capacitors, inductors, sources, mutual inductance and transformers; their I-V relationships. Kirchoff's Laws. DC and AC steady-state analysis. Phasors, node and mesh analysis, superposition, theorems of Thevenin and Norton. Transient analysis for first- and second-order circuits. Three hrs. lecture and one hr. discussion/recitation per week. Spring. *Prerequisites: PHYS 262 and MATH 237.*

ENEE 206 Fundamental Electric & Digital Circuit Laboratory 2 cr.

Design, construction and characterization of circuits containing passive elements, operational amplifiers and digital integrated circuits. Transient and steady-state response. This course is a prerequisite to all upper-level ENEE laboratories. One hr. lecture and three hrs. lab per week. Spring. *Prerequisite: ENEE 244. Corequisite: ENEE 204.*

ENEE 322 Signal and System Theory 3 cr.

Concept of linear systems, state space equations for linear systems, time and frequency domain analysis of signals and linear systems. Fourier, Laplace and Z transforms. Application of theory to problems in electrical engineering. Fall. *Prerequisites: ENEE 204 and MATH 432.*

ENEE 381 Electromagnetic Wave Propagation 3 cr.

The electromagnetic spectrum: Review of Maxwell's equations; the wave equation potentials, Poynting's theorem, relationship between circuit theory and fields; propagation of electromagnetic waves in homogeneous media and at interfaces; transmission line theory, wave-guides, radiation and antennas. Spring. *Prerequisites: PHYS 312 or ENEE 380.*

ENME 271 Numerical Methods in Mechanical Engineering 3 cr.

FSU Course. Develop the skills to generate readable, compact and verifiably correct scripts and functions in MATLAB and C++ to obtain numerical solutions to a wide range of engineering models and to display the results with fully annotated graphics. Learn structured programming. Two lectures and two hrs. lab per week. Spring. *Prerequisites: PHYS 261, MATH 237.*

Renumbered course:

PHYS 282 = PHYS 311 Thermodynamics

Sociology

New courses:

SOCI 341 Race and Crime 3 cr.

Examines the connections between race and crime in society, issues related to the police, courts and incarceration and the impact on different races and ethnicities in America. Variable. *Prerequisite: SOCI 100/111 or permission of the instructor.*

SOCI 433 Sociology of Education 3 cr.

Examines how social institutions and individuals' experiences within these institutions affect educational processes and social development. Topics include the public school systems of modern industrial societies, including the expansion of higher, further, adult, and continuing education. Variable. *Prerequisite: SOCI 100/111 or permission of the instructor.*

Changes in prerequisites:

SOCI 436 Sociological Aspects of Mass Communication 3 cr.

The social development of the mass media, societal influences upon them, and their effects upon society. Variable. *Prerequisite: SOCI 100 or 111 or by permission of instructor.*

SOCI 450 Classical Sociological Theory 3 cr.

Survey of sociological thought since Comte and its relevance to modern sociology. Construction of theory by students themselves. Fall. *Prerequisite: 12 hrs. in Sociology or permission of instructor.*

SOCI 451 Contemporary Sociological Theory 3 cr.

Survey of contemporary sociological thought since the mid-20th century and its relevance to modern sociology. Construction of theory by students themselves. Spring. *Prerequisite: SOCI 450; 12 hrs. of Sociology or permission of instructor.*

USM Bylaws, Policies and Procedures of the Board of Regents

Policy on Student Classification For Admission and Tuition Purposes

(Approved by the Board of Regents August 28, 1990; Amended July 10, 1998; Amended November 27, 2000; Amended April 11, 2003; Amended June 23, 2006, Amended February 15, 2008, Amended October 24, 2014; Amended April 10, 2015; Amended February 17, 2017. Amended June 16, 2017.)

Check the USM website (www.usmd.edu/regents/bylaws/SectionVIII) for the most up-to-date version.

I. Policy

A. Purpose

To extend the benefits of its system of higher education while encouraging the economical use of the State's resources,¹ it is the policy of the Board of Regents of the University System of Maryland (USM) to recognize the categories of in-state and out-of-state residency for the purpose of admission and assessing tuition at USM institutions.

B. Qualification for In-State Status

Generally, in order to qualify for in-state status, a prospective, returning, or current student must demonstrate that he or she is a permanent Maryland resident. Under certain circumstances, as set forth in this Policy, students who are not permanent Maryland residents may qualify temporarily for in-state status. Students who do not qualify for in-state status under this Policy shall be assigned out-of-state status for admission and tuition purposes.

C. Standard of Proof

The student seeking in-state status shall have the burden of proving by clear and convincing evidence that he or she satisfies the requirements and standards set forth in this Policy. Assignment of in-state or out-of-state status will be made by each USM institution upon a review of the totality of facts known or presented to it.

II. Determination of Residency Status

A. Criteria for Determination of Residency Status

An initial determination of residency status will be made at the time of admission and readmission based upon information provided by the student with the signed application certifying that the information provided is complete and correct. Additional information may be requested by the institution, to clarify facts presented. To qualify for in-state status, the student must demonstrate that for at least 12 consecutive months immediately prior to and including the last date available to register for courses for the semester/term for which the student seeks in-state status, the student had the continuous intent to reside in Maryland indefinitely and for a primary purpose other than that of attending an educational institution in Maryland. The student will demonstrate the requisite intent by satisfying all of the following requirements for the 12-month period (or shorter period indicated):

- 1) Has continuously maintained his or her primary living quarters in Maryland.
- 2) Has substantially all personal property, such as household effects, furniture, and pets, in Maryland.
- 3) Has paid Maryland income tax on all taxable income, including all taxable income earned outside of Maryland, and has filed a Maryland Resident Tax Return.

- 4) Has registered all owned or leased motor vehicles in Maryland for at least 12 consecutive months, if previously registered in another state. Students who have lived in Maryland for at least 12 consecutive months but who have had their motor vehicle(s) registered in Maryland for less than 12 months will be deemed to have satisfied this requirement if they can show evidence that their owned or leased motor vehicle(s) was (were) registered in Maryland within 60 days after moving to the state.
- 5) Has possessed a valid Maryland driver's license for at least 12 consecutive months, if previously licensed to drive in another state. Students who have lived in Maryland for at least 12 consecutive months but who have held a Maryland driver's license for less than 12 months will be deemed to have satisfied this requirement if they can show evidence that their driver's license was issued in Maryland within 60 days after moving to the state.
- 6) Is currently registered to vote in Maryland, if previously registered to vote in another state (no time requirement).
- 7) Receives no public assistance from a state other than the State of Maryland or from a city, county, or municipal agency other than one in Maryland.
- 8) Has a legal ability under Federal and Maryland law to live permanently and without interruption in Maryland.

B. Presumption of Out-of-State Status

Either of the following circumstances raises a presumption that the student is residing in the State of Maryland primarily for the purpose of attending an educational institution and, therefore, does not qualify for in-state status under this Policy:

- 1) A student is attending school or living outside Maryland at the time of application for admission to a USM institution, or
- 2) A student is Financially Dependent on a person who is not a resident of Maryland. A student will be considered financially independent if the student provides 50% or more of his or her own living and educational expenses and has not been claimed as a dependent on another person's most recent tax returns.

III. Change In Classification For Tuition Purposes

A. Petition for Change in Classification for Tuition Purposes

After the initial determination is made, a student seeking a change to in-state tuition status must submit a Petition for Change in Classification for Tuition Purposes that includes all of the information the student wishes the institution to consider. All information must be submitted by the institution's deadline for submitting a petition for the semester for which the student seeks reclassification. Only one Petition may be filed per semester.

B. Criteria for Change in Tuition Status

A student seeking reclassification from out-of-state to in-state tuition status must demonstrate, by clear and convincing evidence, that for at least twelve (12) consecutive months immediately prior to and including the last date available to register for courses for the semester/term for which the student seeks in-state tuition status, the student had the continuous intent to 1) make Maryland his or her permanent home; 2) abandon his or her former home state; 3) reside in Maryland indefinitely; and reside in Maryland primarily for a purpose other than that of attending an educational institution in Maryland.

A student will demonstrate the requisite intent by satisfying all of the following requirements for a period of at least twelve (12) consecutive months (or for the shorter period of time indicated) immediately prior to and including the last date available to register for courses in the semester/term for which the student seeks in-state tuition status. Evidence of intent must be clear and convincing and will be evaluated not only by the amount presented but also based upon the reliability, authenticity, credibility and relevance of the evidence and the totality of facts

known to the institution. The student must demonstrate (providing appropriate documentation as necessary) that for the relevant period he or she:

- 1) Continuously maintained his or her primary living quarters in Maryland.
- 2) Has substantially all of his or her personal property, such as household effects, furniture and pets, in Maryland.
- 3) Has paid Maryland income tax on all taxable income including all taxable income earned outside the State and has filed a Maryland Resident Tax Return.
- 4) Has registered all owned or leased motor vehicles in Maryland for at least 12 consecutive months, if previously registered in another state. Students who have lived in Maryland for at least 12 consecutive months but who have had their motor vehicle(s) registered in Maryland for less than 12 months will be deemed to have satisfied this requirement if they can show evidence that their owned or leased motor vehicle(s) was (were) registered in Maryland within 60 days after moving to the state.
- 5) Has possessed a valid Maryland driver's license for at least 12 consecutive months, if previously licensed to drive in another state. Students who have lived in Maryland for at least 12 consecutive months but who have held a Maryland driver's license for less than 12 months will be deemed to have satisfied this requirement if they can show evidence that their driver's license was issued in Maryland within 60 days after moving to the state.
- 6) Is currently registered to vote in Maryland, if previously registered to vote in another state (no time requirement).
- 7) Receives no public assistance from a state other than the State of Maryland or from a city, county or municipal agency other than one in Maryland.
- 8) Has a legal ability under Federal and Maryland law to live permanently without interruption in Maryland.
- 9) Has either not raised the presumption set forth in Section II.B above; or alternatively, if the student's circumstances have raised the presumption set forth in Section II.B above, the student has rebutted that presumption.

C. Rebuttal Evidence

If the information received by the institution about the student has raised the presumption set forth in Section II.B, the student bears the burden of rebutting the presumption set forth in Section II.B by presenting additional evidence of objectively verifiable conduct to rebut the presumption and show the requisite intent. Rebuttal evidence of intent must be clear and convincing and will be evaluated not only by the amount presented but also based upon the reliability, authenticity, credibility and relevance of the evidence and the totality of facts known to the institution. Evidence that does not document a period of at least twelve (12) consecutive months immediately prior to and including the last date available to register for courses in the semester/term for which the student seeks in-state tuition status is generally considered an unfavorable factor under this Policy. The absence of objective, relevant evidence is generally considered an unfavorable factor. A student's statement of intent to remain in Maryland in the future is generally not considered to be objective evidence under this Policy.

For purposes of rebutting the presumption, additional evidence that will be considered includes, but is not limited to:

- 1) Source of financial support:
 - a. Maryland employment and earnings history through sources beyond those incident to enrollment as a student in an educational institution e.g., beyond support provided by work study, scholarships, grants, stipends, aid, student loans, etc., (Tuition costs will be considered as a

student expense only to the extent tuition exceeds the amount of any educational scholarship, grant, student loan, etc.), **or**

b. Evidence the student is Financially Dependent upon a person who is a resident of Maryland.

- 2) Substantial participation as a member of a professional, social, community, civic, political, athletic or religious organization in Maryland, including professionally related school activities that demonstrate a commitment to the student's community or to the State of Maryland.
- 3) Registration as a Maryland resident with the Selective Service, if applicable.
- 4) Evidence that the student is married to a Maryland resident.
- 5) Evidence that the student attended schools in Maryland for grades K-12.
- 6) Evidence showing the student uses his or her Maryland address as his or her sole address of record for all purposes including on health and auto insurance records, bank accounts, tax records, loan and scholarship records, school records, military records, leases, etc.
- 7) An affidavit from a person unrelated to the student that provides objective, relevant evidence of a student's conduct demonstrating the student's intent to reside in Maryland primarily for a purpose other than that of attending an educational institution in Maryland.
- 8) Evidence of life and employment changes that caused the student to relocate to Maryland for reasons other than primarily educational purposes (e.g. divorce, family relocation, taking care of a sick family member, etc.)

D. Appeal

A student may appeal an adverse decision on a Petition for Change in Classification.

E. Change in Circumstances Altering In-State Status

The student shall notify the USM institution in writing within fifteen (15) days of any change in circumstances which may alter in-state status. Failure to do so could result in retroactive charges for each semester/term affected.

F. Incomplete, Untimely, False or Misleading Information

If necessary information is not provided by the institution's deadline, the USM institution may, at its discretion, deny or revoke in-state status. In the event incomplete, false, or misleading information is presented, the USM institution may, at its discretion, revoke in-state status and take disciplinary action provided for by the institution's policies. Such action may include suspension or expulsion. In such cases, the institution reserves the right to retroactively assess all out-of-state charges for each semester/term affected.

IV. Criteria For Temporary Qualification of Non-Residents For In-State Status

Non-residents with the following status shall be accorded the benefits of in-state status for the period in which they hold such status, if they provide clear and convincing evidence through documentation, by the institution's deadline for the semester for which they seek in-state status, showing that they fall within one of the following categories:

- A. A full-time or part-time (at least 50 percent time) regular employee of USM or a USM institution.
- B. The spouse or Financially Dependent child of a full-time or part-time (at least 50 percent time) regular employee of USM or a USM institution.
- C. An active duty member of the Armed Forces of the United States as defined in 38 U.S.C.A. § 101(10) as the United States Army, Navy, Marine Corps, Air Force, and Coast Guard, including the reserve components thereof, who is stationed in

Maryland, resides in Maryland, or is domiciled in Maryland, or his/her spouse or a financially dependent child of that active duty member. Spouses and children who qualify for exemptions under this provision will retain in-state status for tuition purposes as long as they are continuously enrolled, regardless of whether the active duty member's station assignment, residence, or domicile remains in Maryland.²

D. A veteran of the Armed Forces of the United States who provides documentation that he or she was honorably discharged and currently resides or is domiciled in Maryland.³

E. A veteran who lives in Maryland and was discharged from a period of at least 90 days of service in the active military, naval, or air service less than three years before the date of the veteran's enrollment and is pursuing a course of education with educational assistance under the Montgomery G.I. Bill (38 U.S.C. §3001) or the Post-9/11 G.I. Bill (38 U.S.C. §3301).⁴ A veteran so described will continue to retain in-state status if the veteran is enrolled prior to the expiration of the three-year period following discharge, is using educational benefits under either chapter 30 or chapter 33, of title 38, United States Code, and remains continuously enrolled (other than during regularly scheduled breaks between courses, semesters, or terms) at the same school

F. Anyone who lives in Maryland, and:

- 1) Is using transferred Post-9/11 G.I. Bill benefits (38 U.S.C. §3319) and enrolls within three years of the transferor's discharge or release from a period of at least 90 days of service in the active military, naval or air service; or
- 2) Is using transferred Post-9/11 G.I. Bill benefits (38 U.S.C. §3319) and the transferor is a member of the uniformed services who is serving on active duty; or
- 3) Is using benefits under the Marine Gunnery Sergeant John David Fry Scholarship (38 U.S.C. §3311(b)(9)).⁵

An individual as described in F.(1) will continue to retain in-state status if the individual is enrolled prior to the expiration of the three-year period following the veteran's discharge, is using educational benefits under chapter 33, of title 38, United States Code, and remains continuously enrolled (other than during regularly scheduled breaks between courses, semesters, or terms) at the same school.

G. A member of the Maryland National Guard, as defined in the Public Safety Article of the Maryland Annotated Code, who joined or subsequently serves in the Maryland National Guard to: (i) provide a critical military occupational skill; or (ii) be a member of the Air Force Critical Specialty Code as determined by the National Guard.

H. For UMUC, only, a full-time active member of the Armed Forces of the United States on active duty, or his/her spouse.

I. A graduate assistant appointed through a USM institution for the semester/term of the appointment. Except through prior arrangement, this benefit is available only for enrollment at the institution awarding the assistantship.

V. Additional Procedures

Each USM institution shall develop and publish additional procedures to implement this Policy. Procedures shall provide that on request the institution President or designee has the authority to waive any requirement set forth in Section II if it is determined that the application of the requirements creates an unjust result. These procedures shall be filed with the Office of the Chancellor.

VI. Definitions

A. Financially Dependent: For the purposes of this Policy, a financially dependent student is one who has been claimed as a dependent on another person's prior year tax returns or is a ward of the State of Maryland.

B. Financially Independent: For the purposes of this Policy, a financially independent student is one who provides 50% or more of his or her own living and educational expenses and has not been claimed as a dependent on another person's most recent tax returns.

C. Parent: A parent may be a natural parent, or, if established by a court order recognized under the law of the State of Maryland, an adoptive parent.

D. Guardian: A guardian is a person so appointed by a court order recognized under the laws of the State of Maryland.

E. Spouse: A spouse is a partner in a legally contracted marriage.

F. Child: A child is a natural child or a child legally adopted pursuant to a court order recognized under the law of Maryland.

G. Regular Employee: A regular employee is a person employed by USM or a USM institution who is assigned to a State budget line or who is otherwise eligible to enroll in a State retirement system. Examples of categories NOT considered regular employees are graduate students, contingent employees, and independent contractors.

H. Continuous Enrollment:

- 1) Undergraduate Student - An undergraduate student who is enrolled at a USM institution for consecutive fall and spring semesters, until completion of the student's current degree program or unless on an approved leave of absence or participating in an approved program off-campus.
- 2) Graduate and Professional - Continuous enrollment for a graduate or professional student is defined by the institution in accordance with program requirements.

I. Armed Forces of the United States: As defined in 38 U.S.C.A. § 101(10) as the United States Army, Navy, Marine Corps, Air Force, and Coast Guard, including the reserve components thereof.

VII. Implementation

This Policy as amended by the Board of Regents on February 17, 2017 and also on June 16, 2017 shall be applied to all student tuition classification decisions effective Spring semester 2018 and thereafter.

¹ *Annotated Code of Maryland, Education Article §12-101.*

² *Annotated Code of Maryland, Education Article § 15-106.4.*

³ *Annotated Code of Maryland, Education Article § 15-106.4.*

⁴ *38 U.S.C.A. § 3679(c).*

⁵ *38 U.S.C.A. § 3679(c)*