

Name: \_\_\_\_\_

ID: \_\_\_\_\_

Date: \_\_\_\_\_

**General Education Requirements:**

Circle appropriate credit for courses taken.

**Group I- English Composition and Literature (2 courses)**

- A. ENGL 103 ("C" or better) or HONR 111 \_\_\_\_\_ 3-4 \_\_\_\_\_  
 B. Literature (either ENGL or MDFL) \_\_\_\_\_ 3-4 \_\_\_\_\_

**Group II- History (2 courses)**

- A. HIST 101, 102, or 103 \_\_\_\_\_ 3-4 \_\_\_\_\_  
 B. HIST 101, 102, 103, or a HIST course above 103 \_\_\_\_\_ 3-4 \_\_\_\_\_

**Group III-Humanities & Social Sciences (3 courses)**

- A. Select one course from one of the following six areas:  
 ART, CMAT, DANC or THEA, MDFL, MUSC, PHIL, or HONR 211 \_\_\_\_\_ 3-4 \_\_\_\_\_  
 B. Select one course from one of the following seven areas:  
 ANTH, CADR, ECON, Human GEOG, POSC, PSYC, SOCI, or HONR 112 \_\_\_\_\_ 3-4 \_\_\_\_\_  
 C. Select one course from either Group IIIA or III B (course must be from a different area than previously selected) \_\_\_\_\_ 3-4 \_\_\_\_\_

**Group IV- Natural Science, Math, and Computer Science (4 courses)**

- A. Select courses with laboratories from at least two of the following four areas (at least six credit hours total): BIOL, CHEM, GEOL or Physical GEOG, PHYS  
 Satisfied by major \_\_\_\_\_ X \_\_\_\_\_  
 Satisfied by major \_\_\_\_\_ X \_\_\_\_\_  
 B. Select one additional course (need not be a lab) from Group IVA or ENVH or COSC or MATH or HONR  
 Satisfied by major \_\_\_\_\_ X \_\_\_\_\_  
 C. Select one course from MATH  
 Satisfied by major \_\_\_\_\_ X \_\_\_\_\_

**Group V-Health Fitness (1 course)**

PHEC 106 \_\_\_\_\_ 3 \_\_\_\_\_

**University Policies**

1. Refer to the SU catalog for approved general education courses.
2. Requirements may not equal 120 credit hours. Students must register for additional electives to complete 120 credits required for graduation.
3. All graduates must have a minimum of 30 credits of 300/400 level courses with "C" grade or above; at least 15 of those credits must be taken at SU.
4. Students must have a minimum cumulative GPA of 2.0 for graduation.
5. Students must complete at least 30 credit hours by direct classroom instruction and/or laboratory experience.
6. Students must take 30 of the last 37 credit hours at SU.
7. Students should consult the degree progress report in GullNet for information on their academic progress.
8. It is the student's responsibility to satisfy graduation requirements. Please refer to the SU catalog for detailed major requirements.
9. Students must apply online by Nov. 15 for May graduation and May 15 for December graduation.

**ACADEMIC MAJOR REQUIREMENTS**

**PHYSICS CORE REQUIREMENTS – 27 hours**

		Sem/Yr	Grade
PHYS 221*	Physics I	_____	4
PHYS 223*	Physics II	_____	4
PHYS 225*	Physics III	_____	3
PHYS 309*	Mathematical Physics	_____	3
PHYS 311*	Circuits & Electronics	_____	4
PHYS 313*	Modern Physics	_____	3
PHYS 314*	Mechanics	_____	3
PHYS 315*	Electricity & Magnetism	_____	3

**ADDITIONAL PHYSICS COURSES – 4 hours**

PHYS 108*	Astronomy	_____	4
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**MATHEMATICS – 16 hours**

MATH 201*	Calculus I	_____	4
MATH 202*	Calculus II	_____	4
MATH 310*	Calculus III	_____	4
MATH 311*	Differential Equations	_____	4

**CHEMISTRY COURSES – 8 hours**

CHEM 121*	General Chemistry I	_____	4
CHEM 122*	General Chemistry II	_____	4

**LAB SAFETY COURSE – 1 hour**

CHEM 207 or MDTC 101	_____	1
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**GEOGRAPHY COURSE 4 hours**

GEOL 103* Physical Geol OR GEOG 104* Earth & Space Science	_____	4
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**BIOLOGY COURSE – 4 hours**

BIOL 101*	Fundamentals of Biology	_____	4
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**PRE-PROFESSIONAL REQUIREMENTS – 6 HOURS**

EDUC 210*	School in a Diverse Society	_____	3
SCED 300*	Development, Learning, & Assessment	_____	3

**Competency Tests:** - Show satisfactory results on PRAXIS I, SAT or ACT examinations as defined by the Maryland State Department of Education (see Education Advisor regarding passing score).

**PROFESSIONAL PROGRAM (see professional requirements on reverse)**

**METHODS – 15-17 hours**

Junior Year, Spring Semester			
SCED 319*	Technology in Education	_____	1
<b>OR</b> SCED 318	Computers in Education	_____	3
SCED 374*	Science/Reading Methods I	_____	4
Senior Year, Fall Semester			
SCED 367*	Inclusive Instr. For Secondary Teachers	_____	3
SCED 474*	Science/Reading Methods II	_____	4
SCED 434*	Classroom Management	_____	3

**INTERNSHIP – 15 hours (see internship requirements on reverse)**

SCED 426	Directed Teaching in Middle and High Schools	_____	6
SCED 428	Directed Teaching in Middle and High Schools	_____	6
SCED 433*	Reflection & Inquiry in Teaching	_____	2

**Praxis II passed:** (date) \_\_\_\_\_ **Content Knowledge**  
 (Maryland Scores) (date) \_\_\_\_\_ **Pedagogy**

\* Courses must be completed with grade of C or better.

**Departmental Policies**

1. Students should meet with their academic advisor for detailed advice.
2. 130-132 Credit Hours are required for this program.

**ADDITIONAL RECOMMENDED COURSES:**

PHYS 316	Quantum Mechanics	PHYS 407	Senior Lab
COSC 120	Computer Science I	ENGR 100	Intro Engineering

## PROFESSIONAL PROGRAM REQUIREMENTS

In order to enroll in professional education program courses, students must meet the following requirements:

1. Complete an application for formal admission to the Professional Program. Obtain written approval of the application from both content and Education advisors.
2. Complete a minimum of 56 college credits with a minimum of 2.50 GPA, including transfer credits.
3. Have a cumulative minimum GPA of 2.75 in the major, including transfer credits.
4. Complete all pre-professional requirements.
5. Complete four courses in the major field.

## DIRECTED TEACHING REQUIREMENTS

Candidates must meet the following requirements for Directed Teaching

1. Complete the written application for Directed Teaching.
2. Complete a minimum of 90 credits including methods and at least eight courses of the academic major (secondary and K-12 programs).
3. Have an overall GPA of at least 2.50 including transfer credit.
4. Have a minimum GPA of at least 2.75 in the academic major courses, including transfer credit, as defined by the academic department.
5. Have a minimum GPA of 2.75 in professional education courses with no grade below C. Students may repeat education courses only once.
6. Obtain verification of completion of requirements from the director of field experiences.

## PHYSICS SECONDARY EDUCATION TRACK

(Suggested curriculum guide) 130-132 credit hours total

FIRST YEAR	
FALL (15)	SPRING (16)
PHYS 221 (4)	PHYS 223 (4)
MATH 201 (4)	MATH 202 (4)
HIST 101 or 102(4)	ENGL 103 (4)
EDUC 210 (3)	PHYS 108 (4)

  

SECOND YEAR	
FALL (14-15)	SPRING (17-18)
PHYS 225 (3)	PHYS 309 (3)
CHEM 121 (4)	CHEM 122 (4)
MATH 310 (4)	MATH 311 (4)
Gen Ed IIIA, B, or C (3-4)	Gen Ed IIIA, B, or C (3-4)
	SCED 300 (3)

  

THIRD YEAR	
FALL (18)	SPRING (16-18)
PHYS 311 (4)	PHYS 314 (3)
PHYS 313 (3)	PHYS 315 (3)
GEOL 103 or GEOG 104 (4)	CHEM 207 or MDTC 101 (1)
BIOL 101 (4)	SCED 319 (or 318) (1 or 3)
PHEC 106 (3)	SCED 374 (4)
	HIST XXX (4)

  

FOURTH YEAR	
FALL (17-18)	SPRING (14)
Gen Ed IIIA, B, or C (3-4)	SCED 426 (6)
SCED 474 (4)	SCED 428 (6)
SCED 367 (3)	SCED 433 (2)
ENGL Lit (Gen Ed IB) (4)	
SCED 434 (3)	