

Name: _____

ID: _____

Date: _____

General Education Requirements:

Circle appropriate credit for courses taken

Sem/Yr Grade

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.

Major Requirements:

Sem/Yr Grade

CHEMISTRY – 8 hours

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

MATHEMATICS – 16 hours

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

PHYSICS CORE – 27 hours

- 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

GENERAL TRACK – 15-16 hours

- PHYS 316 Quantum Mechanics _____ 3
 PHYS 407 Advanced Laboratory _____ 3
 PHYS 470 Senior Seminar _____ 1
 PHYS 490 Research _____ 2

AND A MINIMUM OF 3 ADDITIONAL 300/400 LEVEL PHYSICS COURSES

- PHYS 317# Astrophysics _____ 3
 PHYS 318# Semiconductor Physics _____ 3
 PHYS 319 Thermodynamics and Stat. Mech. _____ 3
 PHYS 320 WaveOptics _____ 3
 PHYS 321# Analog Electronics _____ 3
 PHYS 322 Digital Electronics _____ 4
 PHYS 410 Advanced Math Physics _____ 3
 PHYS 413 Computer Architecture & Interfacing _____ 3
 PHYS 414 Advanced Mechanics _____ 3
 PHYS 482 Microwave Engineering _____ 3

ELECTIVES (TO BRING TOTAL CREDITS TO 120) Sem/Yr Credit Grade

<u>ELECTIVES (TO BRING TOTAL CREDITS TO 120)</u>	Sem	Yr	Credit	Grade
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Departmental Policies

1. Courses marked # are recommended to meet the required additional 3 upper level courses.
2. Students should meet with their academic advisor for detailed advice.
3. All required physics courses must be completed with a minimum overall GPA of 2.0.

Physics General Track
Suggested Curriculum Guide

First Year

Fall

PHYS 221 (4)
MATH 201 (4)
HIST 101 or 102(4)

Spring

PHYS 223 (4)
MATH 202 (4)
ENGL 103 (4)

Second Year

Fall

PHYS 225 (3)
CHEM 121 (4)
MATH 310 (4)
HIST XXX (4)

Spring

PHYS 309 (3)
CHEM 122 (4)
MATH 311 (4)
ENGL Lit (Gen Ed IB) (4)

Third Year

Fall

PHYS 311 (4)
PHYS 313 (3)
Gen Ed IIIA, B, or C (3-4)
Electives (3-4)

Spring

PHYS 314 (3)
PHYS 315 (3)
*PHYS 407 (3)
 or PHYS ELEC 318 (3)
Gen Ed IIIA, B, or C (3-4)
Electives (3-4)

Fourth Year

Fall

PHYS 316 (3)
PHYS 470 (1)
*PHYS ELEC 317# (3)
 or PHYS ELEC 322# (4)
PHEC 106 (3)
Gen Ed IIIA, B, or C (3-4)
Electives (6-7)

Spring

*PHYS 407 (3)
 or *PHYS ELEC 318# (3)
PHYS 490 (2)
PHYS ELEC (3)
Electives (7)

* Offered every other year

Recommended physics classes to meet the required additional 3 upper level courses