

NAME _____ ID# _____ DATE _____

GENERAL EDUCATION REQUIREMENTS

GROUP I: English and Literature – 2 COURSES

- A. ENGLISH 103 (C or Better) 4__
 HONORS 111 (if in Honors Program)
- B. LITERATURE (in either English or Modern Languages) 4__

GROUP II: History - 2 COURSES

- A. HISTORY 101,102 or 103 4__
- B. HISTORY 101,102, 103 or a History Course above 103 4__

GROUP III: Humanities and Social Sciences – 3 COURSES FROM 3 DIFFERENT AREAS

- A. **Select one course from one of the following six areas:**
 Art, Communication, Dance OR Theater Arts, Modern Languages, Music, Philosophy. (HONR 211 if in Honors Program) _____ 3/4__
- B. **Select one course from one of the following six areas:**
 Anthropology, Conflict Analysis and Dispute Resolution OR Sociology, Economics, **Human** Geography, Political Science, Psychology. (HONR 112 if in Honors Program) _____ 3/4__
- C. **Select one course from either Group III A or III B (course may not be from the same area selected for III A or III B)**
 _____ 3/4__

GROUP IV: Natural Science, Math and Computer Science – 4 COURSES

SATISFIED BY MAJOR

GROUP V: Health Fitness – 1 COURSE

Complete PHEC 106 3__

MAJOR REQUIREMENTS
 67 SEMESTER HOURS

CHEMISTRY REQUIREMENTS - 8 HOURS

- 121 GENERAL CHEMISTRY I 4__
- 122 GENERAL CHEMISTRY II 4__

MATHEMATICS - 16 HOURS

- 201 CALCULUS I 4__
- 202 CALCULUS II 4__
- 310 CALCULUS III 4__
- 311 DIFFERENTIAL EQUATIONS 4__

PHYSICS CORE - 27 HOURS

- 221 PHYSICS I 4__
- 223 PHYSICS II 4__
- 309 MATH PHYSICS 3__
- 311 CIRCUITS & ELECTRONICS 4__
- 313 MODERN PHYSICS 3__
- 314 MECHANICS 3__
- 315 ELECT. & MAGNETISM 3
- 316 QUANTUM MECHANICS 3__

MICROELECTRONICS TRACK - 16 HOURS

- 318 SEMICONDUCTOR PHYSICS 3__
- 321 ANALOG ELECTRONICS 3__
- 322 DIGITAL ELECTRONICS 4__
- 413 MICROPROCESSOR INTERFACE 3__
- 470 SENIOR SEMINAR 1__
- 475 CAPSTONE DESIGN PROJECT 2__

ELECTIVES – 22 - 25 HOURS
 (FOR A TOTAL OF 120 CREDIT HOURS)

PHYSICS MICROELECTRONICS TRACK
(Suggested Curriculum Guide)

Freshman Year

Fall (16)

PHYS 221 (4)
MATH 201 (4)
ENGL 103 (4)
HIST 101 or 102 (4)
GENL 001 (0)

Spring (15)

PHYS 223 (4)
MATH 202 (4)
CHEM 121 (4)
PHEC 106 (3)

Sophomore Year

Fall (15)

PHYS 309 (3)
CHEM 122 (4)
MATH 310 (4)
HIST XXX (4)

Spring (15)

PHYS 311 (4)
PHYS 313 (3)
MATH 311 (4)
LITERATURE (4)

Junior Year

Fall (13-14)

PHYS 314 (3)
PHYS 322 (4)
*PHYS 318 (3)
 or PHYS 315 (3)
HUMANITIES (3-4)

Spring (16)

PHYS 316 (3)
PHYS 321 (3)
PHYS 413 (3)
SOCIAL SCIENCE (3-4)
Elective (4-3)

Senior Year

Fall (15)

PHYS 315 (3)
 or *PHYS 318 (3)
PHYS 470 (1)
GEN ED III C (3-4)
Electives (8-7)

Spring (15)

PHYS 475 (2)
Electives (13)

* Offered every other year.

NOTE: SEE ADVISOR FOR DETAILED ADVICE.

MUST COMPLETE 30 HOURS AT THE 300/400 LEVEL WITH A GRADE OF "C" OR BETTER. NEED 120 TOTAL CREDITS FOR GRADUATION.

ALL REQUIRED PHYSICS COURSES MUST BE COMPLETED WITH A MINIMUM OVERALL GPA OF 2.0.

