

PHYSICS (MICROELECTRONICS)
CHECK LIST

NAME _____ ID# _____ DATE _____

GENERAL EDUCATION REQUIREMENTS

GROUP I - 15 HOURS / 5 COURSES

A. ENGLISH 101 (C or Better) 3____
 ENGLISH 102 (C or Better) 3____
 LITERATURE _____ 3____

B. ART, COMMUNICATION & THEATRE
 ARTS, DANCE, MODERN LANGUAGES,
 MUSIC OR PHILOSOPHY, (6 HOURS IN
TWO DIFFERENT DEPARTMENTS)
 _____ 3____
 _____ 3____

GROUP II - 15 HOURS / 5 COURSES

A. HISTORY 101 3____
 HISTORY 102 3____

B. ANTH., ECON., ENVR, HISTORY, **HUMAN**
 GEOG., POL. SCIENCE, PSYCH., OR
 SOCIO./CADR (9 HOURS IN THREE
 DIFFERENT DEPARTMENTS)
 _____ 3____
 _____ 3____
 _____ 3____

GROUP III - 12 HOURS / 4 COURSES

SATISFIED BY MAJOR

GROUP IV - 3 HOURS / 1 COURSE

PHEC 106 3____

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.**

MAJOR REQUIREMENTS

68 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 - 19 HOURS

PHYSICS MICROELECTRONICS TRACK
(Suggested Curriculum Guide)

Freshman Year

Fall (14)

PHYS 221 (4)
GENL 001 (0)
MATH 201 (4)
ENGL 101 (3)
HIST 101 (3)

Spring (15)

PHYS 223 (4)
MATH 202 (4)
ENGL 102 (3)
CHEM 121 (4)

Sophomore Year

Fall (14)

PHYS 309 (3)
MATH 310 (4)
HIST 102 (3)
GEN ED (3)
CHEM 122 (4)

Spring (14)

PHYS 311 (4)
PHYS 313 (3)
MATH 311 (4)
PHEC 106 (3)

Junior Year

Fall (16)

PHYS 314 (3)
PHYS 322 (4)
*PHYS 318 (3)
 or PHYS 315 (3)
English Lit. (3)
Elective (3)

Spring (15)

PHYS 316 (3)
PHYS 321 (3)
PHYS 413 (3)
GEN ED (3)
Elective (3)

Senior Year

Fall (16)

PHYS 315 (3)
 or *PHYS 318 (3)
PHYS 470 (1)
GEN ED (6)
Electives (6)

Spring (16)

PHYS 475 (2)
Electives (8)
GEN ED (6)

* Offered every other year

