

Course Requirements for a major in PHYSICS

Course Number & Title	Cr. Hrs.	Done? (Check)	IP/ Need	Substitution (Course Number & Title)	Where Taken	Initial	Cr. Hrs.	Grade
PHYS 206 (University Physics I)	3							
or PHYS 201 (College Physics I)	3							
PHYS 207 (University Physics II)	3							
or PHYS 202 (College Physics II)	3							
PHYS 203 (Physics I Lab)	1							
PHYS 204 (Physics II Lab)	1							
PHYS 305 (Modern Physics I)	3							
PHYS 306 (Modern Physics II)	3							
PHYS 307 (Modern Physics Lab)	3							
PHYS 308 (Intro. Math. Methods)	3							
PHYS 311 (Mechanics)	3							
PHYS 321 (E & M)	3							
PHYS 330 (Interm. Physics Lab)	3							
PHYS 335 (Thermal Physics)	3							
PHYS 336 (Quantum Mechanics I)	3							
300-level electives (any two)	6 cr							
PHYS 331 (Optics)	4							
PHYS 332 (Electronics)	4							
PHYS 3xx ()	3 – 4							
PHYS 3xx ()	3 – 4							
Required Math Courses	15 cr							
MATH 187 (Calculus I)	4							
MATH 202 (Calculus II)	4							
MATH 203 (Calculus III)	4							
MATH 301 (Ord. Differential Eqns)	3							
Cognate Electives	9 – 13 cr							
(See page 2)								

Total Required Hours in Major (41 cr.)
 Total Hours Completed in Major _____ cr.

Advisor's Signature _____
 DATE _____

Academic Course Record for _____ (Student name)
 (Cont'd)

ID# _____

COGNATE REQUIREMENTS for a major in PHYSICS. Take three courses from the list bellow for a total of 9-13 credit hours depending on the courses. These three courses should be from at least two different departments.

Course, Number & Title	Cr. Hrs.	Done? (Check)	IP/ Need	Substitution (Course Number & Title)	Where Taken	Initial	Cr. Hrs.	Grade
CHEM 211 (General Chemistry I)	5							
CHEM 212 (General Chemistry II)	4							
CS 200 (Programming I)	3							
CS 207 (Programming II)	3							
CS 334 (Open Source Systems)	3							
BIOL 201 (General Biology I)	4							
BIOL 202 (General Biology II)	4							
BIOL 301 (Cell Biology)	4							
BIOL 311 (History of Science)	3							
ENVI 301 (Environmental Methods)	3							
ESCI 207 (Atmosphere and Oceans)	4							
ESCI 211 (PHYSical Geology)	4							
ESCI 306 (Rocks and Minerals)	4							
ESCI 312 (Historical Geology)	4							
ESCI 335 (Meteorology)	4							
ESCI 337 (Principles of Hydrology)	4							
MATH 243 (Linear Algebra)	3							
MATH 302 (Ord. Differential Eq. II)	3							
MATH 303 (Partial Differential Eq.)	3							
MATH 304 (Numerical Analysis)	3							
MATH 305 (Probability and Statistics)	3							
MATH 328 (Complex Variables)	3							
MATH 340 (Computing for Math.)	3							

Total Hours of Elective Cognates _____ cr.

Advisor's Signature _____
 DATE _____