

**MAJOR REQUIREMENTS (98 UNITS)** *Grades of "C" or better required. Courses should be completed in order listed.*

**Core Curriculum - (59 Units)**

	FALL	WINTER	SPRING
PHYS 231 General Physics I (4) & 231L Laboratory (1) Physical Science* Prerequisite: For PHYS 231A, MATH 122. For PHYS 231B, MATH 131	_____	_____	_____
PHYS 232 General Physics II (4) & 232L Laboratory (1) Physical Science* Prerequisite: PHYS 231 & 231L	_____	_____	_____
PHYS 233 General Physics III (4) & 233L Laboratory (1) Physical Science* Prerequisite: PHYS 232 & 232L	_____	_____	_____
PHYS 301 Mathematical Physics (4) Prerequisite: MATH 131, 132, & 133; PHYS 231, 232, & 233	_____	_____	_____
PHYS 308 Computational Physics (2) Prerequisite: MATH 133 & PHYS 233, & 301	_____	_____	_____
PHYS 315 Modern Physics (4) Prerequisite: MATH 133, PHYS 233, 233L & 301	_____	_____	_____
PHYS 326 Human Body Mechanics (4) Prerequisite: MATH 133, PHYS 233 & 233L	_____	_____	_____
PHYS 327 Advanced Body Mechanics (4) Prerequisites: MATH 232, PHYS 326	_____	_____	_____
PHYS 344 Quantum Physics (4) Prerequisites: MATH 232, PHYS 237	_____	_____	_____
PHYS 415 Advanced Physics Laboratory (2) Repeatable for additional credit. Prerequisite: PHYS 233 & 301	_____	_____	_____
PHYS 416 Advanced Physics Laboratory (2) Prerequisite: PHYS 233 & 301	_____	_____	_____
PHYS 464 Statistical and Thermal Physics (4) Prerequisites: MATH 133, PHYS 233 & 301	_____	_____	_____
PHYS 481 Electromagnetic Theory I (4) Prerequisite: MATH 232 & PHYS 233	_____	_____	_____
PHYS 482 Electromagnetic Theory II (4) Prerequisite: PHYS 481	_____	_____	_____
PHYS 485 Physics Seminar II (1)	_____	_____	_____
Plus, choice of 4 elective units from:	_____	_____	_____
PHYS 353 Electronics (2)	_____	_____	_____
PHYS 355 Optics and Lasers (4)	_____	_____	_____
PHYS 475 Radiation Physics (4)	_____	_____	_____
Any Math or Biophysics Course	_____	_____	_____
CHEM 111 General Chemistry I (4) & CHEM 111L Laboratory (1) Prerequisite: MATH 007 or 121 Concurrently; Physical Science*	_____	_____	_____
CHEM 112 General Chemistry II (4) & CHEM 112L Laboratory (1) Prerequisite: CHEM 111 & 111L; Physical Science*	_____	_____	_____
CHEM 113 General Chemistry III (4) & CHEM 113L Laboratory (1) Prerequisite: MATH 121, CHEM 112 & 112L; Physical Science*	_____	_____	_____
CPTG Intro to Computer Science (4)	_____	_____	_____
MATH 131 Calculus I (4) Prerequisite: MATH 122 or placement	_____	_____	_____
MATH 132 Calculus II (4) Prerequisite: MATH 131 or placement	_____	_____	_____
MATH 133 Calculus I (4) Prerequisite: MATH 132 or placement	_____	_____	_____
MATH 231 Introduction to Linear Algebra & Discrete Mathematics (4)	_____	_____	_____

### SEE REVERSE FOR UNIVERSITY STUDIES REQUIREMENTS

\*A maximum of 4 units from the Major, and 8 units of Cognates required by the Major, may apply to University Studies General Studies requirements ( 2020-2021 Undergraduate Academic Bulletin)

NOTE: Should a student's general education and major degree program requirements not meet the minimum 190 units required for graduation, the student must complete elective units to make up the deficiency.

