

Bachelor of Arts Degree - Catalog 131

Freshman Year

First Semester	(Th-Pr)	Cr	Second Semester	(Th-Pr)	Cr
ENGL 104 Comp. and Rhetoric	(3-0)	3	CHEM 107 Gen. Chem. for Engr. Students	(3-3)	4
HIST 105 History of the U.S. ¹	(3-0)	3	HIST 106 History of the U.S. ¹	(3-0)	3
MATH 171 Analytic Geom. and Calculus	(4-0)	4	MATH 172 Calculus	(4-0)	4
PHYS 101 Topics in Cont. Physics	(1-0)	1	PHYS 208 Electricity and Optics	(3-3)	4
PHYS 218 Mechanics	(3-3)	4			15
		15			

Sophomore Year

First Semester	(Th-Pr)	Cr	Second Semester	(Th-Pr)	Cr
MATH 221 Several Variable Calculus	(4-0)	4	MATH 311 Topics in Applied Math I	(3-0)	3
MATH 308 Differential Equations	(3-0)	3	PHYS 225 Electronic Circuits	(3-3)	4
PHYS 221 Optics and Thermal Physics	(3-0)	3	PHYS 309 Modern Physics	(3-0)	3
POLS 206 American Nat'l. Govt.	(3-0)	3	Elective ²		3
KINE 199 Required Physical Activity	(0-2)	1	KINE 198 Health and Fitness Activity	(0-2)	1
		14			14

Junior Year

First Semester	(Th-Pr)	Cr	Second Semester	(Th-Pr)	Cr
PHYS 302 Adv. Mechanics	(4-0)	4	PHYS 327 Experimental Physics	(2-3)	3
PHYS 304 Adv. Elect. and Magn. I	(3-0)	3	PHYS 412 Quantum Mechanics I	(3-0)	3
POLS 207 State and Local Govt.	(3-0)	3	Communication elective ³		3
Humanities elective ¹		3	Social and behavioral sciences elective ¹		3
Electives ²		2	Electives ²		3
		15			15

Senior Year

First Semester	(Th-Pr)	Cr	Second Semester	(Th-Pr)	Cr
PHYS 420 Concepts, Conn., & Comm. ⁶	(1-0)	1	PHYS 401 Computational Physics ⁴	(3-0)	3
Physics elective ⁵		3	PHYS 491 Research ⁶		1
Electives ²		12	Visual and performing arts elective ¹		3
		16	Electives ²		9
					16

- NOTES:
- Any course in this category from the approved University Core Curriculum list of courses.
 - A minor field must be selected in conference with the student's advisor. In addition, 6 hours of courses must be in the area of international and cultural diversity. These may be in addition to other University Core Curriculum courses, or if a course in this category satisfies another area of the Core, it can be used to meet both requirements.
 - To be selected from ENGL 203, 210, 235, 236, 241 and 301.
 - To register for PHYS 401 a student must be able to program in a high level language, such as FORTRAN or C. This prerequisite can be satisfied by taking CPSC 206 or the equivalent.
 - Any 300- or 400-level physics elective, except ASTR 306, 307, and the writing courses, PHYS 420 and 491.
 - Approved W course designation.