

# Bachelor of Arts Degree - Catalog 126

## 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. <sup>1</sup>	(3-0)	3	HIST 106 History of the U.S. <sup>1</sup>	(3-0)	3
<b>MATH 171 Analytic Geom. and Calculus</b>	(4-0)	4	<b>MATH 172 Calculus</b>	(4-0)	4
<a href="#">PHYS 101 Topics in Cont. Physics</a>	(1-0)	1	<a href="#">PHYS 208 Electricity and Optics</a>	(3-3)	4
<a href="#">PHYS 218 Mechanics</a>	(3-3)	4	*KINE 199 Required Physical Activity	(0-2)	1
*KINE 198 Health and Fitness Activity	(0-2)	1			16
		16			

## Sophomore Year

First Semester	(Th-Pr)	Cr	Second Semester	(Th-Pr)	Cr
<b>MATH 221 Several Variable Calculus</b>	(4-0)	4	<b>MATH 311 Topics in Applied Math</b>	(3-0)	3
<b>MATH 308 Differential Equations</b>	(3-0)	3	<a href="#">PHYS 225 Electronic Circuits</a>	(3-3)	4
<a href="#">PHYS 221 Optics and Thermal Physics</a>	(3-0)	3	<a href="#">PHYS 309 Modern Physics</a>	(3-0)	3
POLS 206 American Nat'l. Govt.	(3-0)	3	English literature elective <sup>2</sup>		3
Humanities elective <sup>1</sup>		3	Elective <sup>3</sup>		3
		16			16

## Junior Year

First Semester	(Th-Pr)	Cr	Second Semester	(Th-Pr)	Cr
<a href="#">PHYS 302 Adv. Mechanics</a>	(4-0)	4	<a href="#">PHYS 327 Experimental Physics</a>	(2-3)	3
<a href="#">PHYS 304 Adv. Elect. and Magn. I</a>	(3-0)	3	<a href="#">PHYS 412 Quantum Mechanics I</a>	(3-0)	3
POLS 207 State and Local Govt.	(3-0)	3	Communication elective <sup>4</sup>		3
Electives <sup>3</sup>		6	Social and behavioral sciences elective <sup>1</sup>		3
		16	Electives <sup>3</sup>		5
					17

## Senior Year

First Semester	(Th-Pr)	Cr	Second Semester	(Th-Pr)	Cr
<a href="#">PHYS 401 Computational Physics</a> <sup>5</sup>	(3-0)	3	Visual and performing arts elective <sup>1</sup>		3
<a href="#">Physics elective</a> <sup>6</sup>		3	Electives <sup>3</sup>		13
Electives <sup>3</sup>		9			16
		15			

- NOTES:
- Any course in this category from the approved University Core Curriculum list of courses.
  - Choose from ENGL 203, 212, 221-222, 227-228, 231-232, 312-317, 319, 321-323, 330, 333-340, 350, 352-354, 362, 365, 374-378, 390, 412, 414, 431.
  - 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. This prerequisite can be satisfied by taking CPSC 203 or the equivalent.
  - To be selected from PHYS 305, 314, 408, 414 or any 400-level physics elective course.