

Bachelor of Arts Degree - Catalog 125

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 US ¹	(3-0)	3	HIST 106 History of the US ²	(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	*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
MATH 221 Several Variable Calculus	(4-0)	4	MATH 311 Topics in Applied Math	(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	English literature elective		3
Humanities elective ³		3	Elective ⁴		3
		16			16

Junior Year

First Semester	(Th-Pr)	Cr	Second Semester	(Th-Pr)	Cr
PHYS 302 Adv Mechanics	(4-0)	4	PHYS 327 Exper. 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 ⁵		3
Electives ⁴		6	Social and behavioral sciences elective ³		3
		16	Electives ⁴		5
					17

Senior Year

First Semester	(Th-Pr)	Cr	Second Semester	(Th-Pr)	Cr
CPSC 203 Intro to Computing	(2-2)		Visual and performing arts elective ³		3
or			Electives ⁴		13
PHYS 401 Computational Physics	(3-0)	3			
Physics Elective ⁷		3			
Electives ⁴		9			
		15			16

- NOTES:
- In place of HIST 105 a student may take any American or Texas history course from the following list: HIST 226, 363, 367, 368, 369, 370, 371, 443, 447, 450, 457, 459, 461 or 462.
 - In place of HIST 106 a student may take any American or Texas history course from the following list: HIST 226, 360, 363, 372, 373, 374, 416, 444, 451, 455, 457, 460, 461 or 463. Note that of the 6 required hours of history, 3 hours, at most, may be in Texas history.
 - 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. 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.