

---

## BS in Engineering Physics

Following is **one** suggested four-year degree plan. Students are encouraged to see their adviser each semester for help with program decisions and enrollment. Students are responsible for meeting all course prerequisites.

**\*See the University Core requirements section of this catalog for approved list of course options.**

**\*\* See Arts and Sciences degree requirements section of this catalog for approved list of course options.**

### BS in Engineering Physics

#### FRESHMAN YEAR

FALL	HOURS
CHEM 1410, General Chemistry	3
CHEM 1430, Laboratory for General Chemistry	1
ENGL 1310, College Writing I*	3
MATH 1710, Calculus I	4
PHYS 1710, Mechanics	3
PHYS 1730, Laboratory in Mechanics	<u>1</u>
Total	15

#### FRESHMAN YEAR

SPRING	HOURS
CHEM 1420, General Chemistry	3
CHEM 1440, Laboratory for General Chemistry	1
ENGL 2700, Technical Writing*	3
ENGR 2220, Statics	3
MATH 1720, Calculus II	3
PHYS 2220, Electricity and Magnetism	3
PHYS 2240, Laboratory in Wave Motion, Electricity, Magnetism and Optics	<u>1</u>
Total	17

#### SOPHOMORE YEAR

FALL	HOURS
ENGR 3260, Mechanics of Materials	3
MATH 2700, Linear Algebra and Vector Geometry	3
PHYS 3010, Modern Physics	3
PHYS 3030, Laboratory in Modern Physics I	1
Communication**	3
Humanities*	<u>3</u>
Total	16

#### SOPHOMORE YEAR

SPRING	HOURS
CSCI 1110, Program Development	4
ENGR 2520, Dynamics	3
MATH 2730, Multivariable Calculus	3
PHYS 3310, Methods of Theoretical Physics	3
Literature**	<u>3</u>
Total	16

#### JUNIOR YEAR

FALL	HOURS
ENGR 3960, Electric Circuit Analysis	4
HIST 2610, United States History to 1865*	3
MATH 3410, Differential Equations I	3
PHYS 3210, Mechanics	3
Cross-cultural, Diversity and Global Studies*	<u>3</u>
Total	16

#### JUNIOR YEAR

SPRING	HOURS
ELET 3970, Electronic Devices and Controls	3
HIST 2620, United States History Since 1865*	3
PHYS 4110, Statistical and Thermal Physics	3
ETEC Selection (advanced)	3
Social and Behavioral Sciences*	3
Wellness*	<u>3</u>
Total	18

#### SENIOR YEAR

FALL	HOURS
PHYS 4210, Electricity and Magnetism	3
PSCI 1040, American Government*	3
ETEC Selection (advanced)	3
ETEC Selection	4
Visual and Performing Arts*	<u>3</u>
Total	16

#### SENIOR YEAR

SPRING	HOURS
PHYS 4310, Quantum Mechanics	3
PSCI 1050, American Government*	3
PHYS Elective (advanced)	3
ETEC Selection	4
Elective (advance)	<u>3</u>
Total	16

*Actual degree plans may vary depending on availability of courses in a given semester.*

*Some courses may require prerequisites not listed. Students may wish to use opportunities for electives to complete a minor of their choice or secondary education courses for teacher certification.*

---