

SO YOU WANT TO BE AN ENGINEER?

HOW IT WORKS

Pre-Engineering (2+2)

- Spend two years at FHSU taking the science, math, and general education classes that are required for your engineering degree.
- Choose from a growing list of classes that are guaranteed to transfer within the state of Kansas.
- Transfer your credits earned at FHSU to an engineering school, and complete their program requirements.
- Earn an engineering degree from your engineering school.

Dual Degree (3+2)

- Complete the Pre-Engineering program at FHSU, and stay for another year to take upper-level physics classes.
- Transfer the credits you earn at FHSU to an engineering school, and complete their program requirements.
- Earn an engineering degree from your engineering school.
- Transfer the engineering degree you earn back to FHSU, and receive a physics degree from FHSU.

Physics Degree

- Stay at FHSU and complete the physics degree in four years.
- With a B.S. in physics, you will be qualified to work in a variety of technical positions, including many with an engineering component.
- You will still have the option to go to graduate school to earn a masters or doctoral degree in engineering.

PRE-ENGINEERING (2 + 2)

	YEAR 1		YEAR 2	YEAR 3	YEAR 4
FALL	<ul style="list-style-type: none"> • Intro. to Phys. and Eng. • Calculus I • Freshman Seminar • (2) Gen. Ed Courses 	FALL	<ul style="list-style-type: none"> • Physics for Scientists II • Calculus III • Statics • (1) Gen. Ed Course 		
SPRING	<ul style="list-style-type: none"> • Engineering Physics I • Calculus II • (2) Gen. Ed. Courses 	SPRING	<ul style="list-style-type: none"> • Modern Physics • Differential Equations • University Chemistry I • Electronic Circuits • (1) Gen. Ed. Course 		

DUAL-DEGREE (3 + 2)

	YEAR 1		YEAR 2		YEAR 3	YEAR 4	YEAR 5
FALL	<ul style="list-style-type: none"> • Intro. to Phys. and Eng. • Calculus I • Freshman Seminar • (2) Gen. Ed. Courses 	FALL	<ul style="list-style-type: none"> • Engineering Physics II • Calculus III • Statics • (1) Gen. Ed. Course 	FALL	<ul style="list-style-type: none"> • Analog & Digital Electronics • Math Physics • Electricity & Magnetism • (2) Gen. Ed. Courses 		
SPRING	<ul style="list-style-type: none"> • Engineering Physics I • Calculus II • (2) Gen. Ed. Courses 	SPRING	<ul style="list-style-type: none"> • Modern Physics • Differential Equations • University Chemistry I • Electronic Circuits • (1) Gen. Ed. Course 	SPRING	<ul style="list-style-type: none"> • Mechanics • Thermal Physics • Advanced Lab I • Projects I • Linear Algebra • Free Elective 		

PHYSICS

	YEAR 1		YEAR 2		YEAR 3		YEAR 4
FALL	<ul style="list-style-type: none"> • Intro. to Phys. and Eng. • Calculus I • Freshman Seminar • (2) Gen. Ed. Courses 	FALL	<ul style="list-style-type: none"> • Engineering Physics II • Calculus III • Statics • (1) Gen. Ed. Course 	FALL	<ul style="list-style-type: none"> • Analog & Digital Electronics • Math Physics • Electricity & Magnetism • (2) Gen. Ed. Courses 	FALL	<ul style="list-style-type: none"> • Advanced Lab II • (3) Gen. Ed. Courses • (2) Free Elective
SPRING	<ul style="list-style-type: none"> • Engineering Physics I • Calculus II • (2) Gen. Ed. Courses 	SPRING	<ul style="list-style-type: none"> • Modern Physics • Differential Equations • University Chemistry I • Electronic Circuits • (1) Gen. Ed. Course 	SPRING	<ul style="list-style-type: none"> • Mechanics • Thermal Physics • Advanced Lab I • Projects I • Linear Algebra • Free Elective 	SPRING	<ul style="list-style-type: none"> • Optics • Seminar I • Free Elective • (3) Gen. Ed. Courses

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FORT HAYS STATE UNIVERSITY
 WERTH COLLEGE OF SCIENCE, TECHNOLOGY
 AND MATHEMATICS

Forward thinking. World ready.