

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





KANSAS BOARD OF REGENTS

Systemwide Transfer Courses

January 2018

The Kansas Board of Regents has approved and faculty representatives from Kansas public postsecondary institutions have agreed upon the learning outcomes for the systemwide transfer courses listed below. A student who completes any of these courses at a Kansas public university, community college, or technical college will be able to transfer the course to any Kansas public postsecondary institution offering an equivalent course.

COURSE	EFFECTIVE DATE
Acting I	FALL 2013
Acting II	SUMMER 2014
American Government	FALL 2012
Anatomy and Physiology - 5 credit hours	FALL 2013
Anatomy and Physiology - 8 credit hours	SUMMER 2017
Art Appreciation	FALL 2013
Art History I	SUMMER 2014
Art History II	SUMMER 2014
Biology I and Lab for Majors	SUMMER 2016
Biology II and Lab for Majors	SUMMER 2017
Calculus I	FALL 2013
Chemistry I and Lab for Majors	FALL 2012
Chemistry II and Lab for Majors	SUMMER 2014
Childhood Growth and Development	SUMMER 2014
College Algebra	FALL 2012
Contemporary Math/Essential Math	SUMMER 2017
Descriptive Astronomy and Lab	SUMMER 2015
Descriptive Astronomy	SUMMER 2015
Descriptive Astronomy Lab	SUMMER 2015
Elementary Statistics	SUMMER 2014
English Composition I	FALL 2012
English Composition II	FALL 2012
Engineering Physics I with Lab	SUMMER 2016
Engineering Physics II with Lab	SUMMER 2016
Environmental Science and Lab	SUMMER 2018
Environmental Science	SUMMER 2018
Environmental Science Lab	SUMMER 2018
Ethics	FALL 2013
Financial Accounting	SUMMER 2018
First Aid and CPR	SUMMER 2017
French I	SUMMER 2014
French II	SUMMER 2015
General Biology and Lab for Non Majors	FALL 2012
General Calculus/Business Calculus	SUMMER 2017
General Chemistry and Lab for Non Majors	SUMMER 2016
Human Lifespan/Developmental Psychology	FALL 2013
International Relations	SUMMER 2015
Interpersonal Communication	SUMMER 2015
Introduction to Business	SUMMER 2017
Introduction to Computers and Applications	FALL 2013
Introduction to Criminal Justice	SUMMER 2016
Introduction to Cultural Anthropology	FALL 2013

COURSE	EFFECTIVE DATE
Introduction to Drawing	SUMMER 2015
Introduction to Education	SUMMER 2017
Introduction to Linguistic Anthropology	SUMMER 2014
Introduction to Literature	FALL 2012
Introduction to Mass Communication	SUMMER 2016
Introduction to Philosophy	FALL 2013
Introduction to Political Science	FALL 2013
Introduction to Psychology	FALL 2012
Introduction to Social Work	SUMMER 2016
Introduction to Sociology	FALL 2012
Introduction to Women's Studies	SUMMER 2017
Logic and Critical Thinking	SUMMER 2014
Macroeconomics	FALL 2012
Managerial Accounting	SUMMER 2018
Medical Terminology	SUMMER 2017
Microeconomics	FALL 2012
Music Appreciation	SUMMER 2013
Music Theory I	SUMMER 2014
Nutrition	SUMMER 2015
Personal and Community Health	SUMMER 2016
Personal Finance	SUMMER 2016
Physical Geology with Lab	SUMMER 2016
Physical Geology	SUMMER 2016
Physical Geology Lab	SUMMER 2016
Physical Science I & Lab	FALL 2012
Physics I and Lab	FALL 2012
Physics II and Lab	FALL 2013
Public Speaking	FALL 2012
Social Problems	SUMMER 2014
Spanish I	FALL 2013
Spanish II	SUMMER 2014
Spanish III	SUMMER 2015
Stagecraft	SUMMER 2014
Theatre Appreciation	FALL 2013
Theatre Practicum	SUMMER 2014
Trigonometry	SUMMER 2015
US History to 1877	FALL 2012
US History Since 1877	FALL 2012
World History to 1500	FALL 2013
World History 1500 to Present	SUMMER 2015
World Regional Geography	FALL 2012
World Religions	SUMMER 2015

Additional courses may also be eligible for transfer. Please contact the Registrar's Office of your university or college for more information. Students are responsible for becoming acquainted with the program and degree requirements of the institution to which they expect to transfer.

For more information visit: kansasregents.org/transfer_articulation

©Kansas Board of Regents