

Bachelor of Science in Industrial and Systems Engineering

Additional Science Requirement

The courses listed in the table below will satisfy the 'additional science' requirement for the Bachelor of Science in Industrial and Systems Engineering. Students may satisfy the requirement through EM, K, or graded A-E credit. This course list is approved for all ISE students effective immediately, regardless of the year they were admitted to OSU or the term they completed the course. There is no guarantee these courses will be offered every term. The prerequisites for each still apply and must be met for students to be eligible to enroll.

Example: student was admitted to OSU in Autumn 2013 and earned K credit for Anthropology 2200 during that same term. Even though the student was admitted and completed the course prior to the effective date of the curriculum change, ISE will use this course to complete this student's additional science requirement.

Course Subject	Subject Code	Course #	Lab	Hours	Course Title
Anatomy	ANATOMY	2220	yes	4	Human Structure and Function for Engineers
Anatomy	ANATOMY	2300	yes	4	Human Anatomy
Anatomy	ANATOMY	3300	yes	5	Advanced Human Anatomy for Undergraduates
Anthropology	ANTHROP	2200	yes	4	Introduction to Physical Anthropology
Biology	BIOLOGY	1113	yes	4	Biological Sciences: Energy Transfer and Development
Biology	BIOLOGY	1114	yes	4	Biological Sciences: Form, Function, Diversity, and Ecology
Biology	BIOLOGY	2100	yes	4	Biological Analysis
Chemistry	CHEM	1210	yes	5	General Chemistry I
Chemistry	CHEM	1250	yes	4	General Chemistry for Engineering
Earth Sciences	EARTHSC	1911	no	4	Climate Change: Mechanisms, Impacts, and Mitigation
Earth Sciences	EARTHSC	2155	no	3	Energy and Environment
Earth Sciences	EARTHSC	2203	no	3	Environmental Geoscience
Earth Sciences	EARTHSC	2204	no	3	Exploring Water Issues
Earth Sciences	EARTHSC	3203	no	3	Basic Science, Research, and Implications for Society
Environmental and Natural Resources	ENR	2155	no	3	Energy and Environment
Environmental and Natural Resources	ENR	3280	no	2	Water Quality Management
Evolution, Ecology, and Organismal Biology	EEOB	2510	yes	3	Human Anatomy
Evolution, Ecology, and Organismal Biology	EEOB	2520	no	3	Human Physiology
Geography	GEOG	2200	no	3	Mapping Our World
Geography	GEOG	3300	no	3	Transportation Security
Physics	PHYSICS	3700	yes	3	Experimental Physics Instrumentation and Data Analysis Lab