

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 at OSU. 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.

Subject Code	Course #	Lab	Hours	Course Title	Course Pre-requisites
ANATOMY	2220	yes	4	Human Structure and Function for Engineers	Permission from instructor
ANATOMY	2300	yes	4	Human Anatomy	Permission from instructor
ANATOMY	3300	yes	5	Advanced Human Anatomy for Undergraduates	None
ANTHROP	2200	yes	4	Introduction to Physical Anthropology	Biology 1101 or equivalent
BIOLOGY	1113	yes	4	Biological Sciences: Energy Transfer and Development	MATH 1130 or math placement M Concurrent: CHEM 1110
BIOLOGY	1114	yes	4	Biological Sciences: Form, Function, Diversity, and Ecology	MATH 1130 or math placement M Concurrent: CHEM 1110
BIOLOGY	2100	yes	4	Biological Analysis	MATH 1151 and sophomore standing
CHEM	1210	yes	5	General Chemistry I	C- in MATH 1130 or math placement L
CHEM	1250	yes	4	General Chemistry for Engineering	C- in MATH 1130 or math placement L
EARTHSC	1911	no	4	Climate Change: Mechanisms, Impacts, and Mitigation	None
EARTHSC	2155	no	3	Energy and Environment	None
EARTHSC	2203	no	3	Environmental Geoscience	None
EARTHSC	2204	no	3	Exploring Water Issues	None
EARTHSC	3203	no	3	Basic Science, Research, and Implications for Society	Math 1085 or math placement R
ENR	2155	no	3	Energy and Environment	None
ENR	3280	no	2	Water Quality Management	None
EEOB	2510	yes	3	Human Anatomy	3 credit hours of biological sciences
EEOB	2520	no	3	Human Physiology	3 credit hours of biological sciences
GEOG	2200	no	3	Mapping Our World	None
GEOG	3300	no	3	Transportation Security	None
PHYSICS	3700	yes	3	Experimental Physics Instrumentation and Data Analysis Lab	Physics 1251 and CSE 1222