HUMAN SYSTEMS ENGINEERING OPTION

This option is available within the Industrial Engineering (https://catalog.oregonstate.edu/college-departments/engineering/school-mechanical-industrial-manufacturing-engineering/industrial-engineering-bs-hbs/) major at the following location:

- **Corvallis**

Students who complete the Human Systems Engineering Option will be prepared to apply industrial engineering methods and principles to design, analyze, and improve systems where humans interact with work and intelligent systems environments.

Option Code: A067

Options follow the learning outcomes of the major. For this option, refer to the learning outcomes of the Industrial Engineering (https://catalog.oregonstate.edu/college-departments/engineering/school-mechanical-industrial-manufacturing-engineering/industrial-engineering-bs-hbs/#learningoutcomestext) major.

Code	Title	Credits
Required Core		
IE 356	QUANTITATIVE METHODS FOR SYSTEM MODELING AND EXPERIMENTATION	4
IE 470	MANAGEMENT SYSTEMS ENGINEERING	4
MFGE 436	LEAN MANUFACTURING SYSTEMS ENGINEERING	4
Electives		
Select three courses from the following:		11-12
BI 231Z	HUMAN ANATOMY AND PHYSIOLOGY I	
CEM 326	CONSTRUCTION SAFETY	
IE 499	SPECIAL TOPICS (Data Mining for Engineering Applications)	
PSY 340	COGNITIVE PSYCHOLOGY	
PSY 442	PERCEPTION	
PSY 444	LEARNING AND MEMORY	
PSY 446	PSYCHOLOGY OF HUMAN COMPUTER INTERACTION	
PSY 463	JUDGMENT AND DECISION MAKING	
PSY 494	ENGINEERING PSYCHOLOGY	
Total Credits		**23-24**

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