

Certificate in Applied Safety and Ergonomics

The Applied Safety and Ergonomics Undergraduate Certificate is for students looking to acquire more knowledge in safety and ergonomics. Students completing this certificate will explore the design, analysis, and operation of work systems to assure safe and healthful conditions for working people. The certificate is offered through the Department of Industrial & Systems Engineering and requires completing two of the following courses in Industrial and Systems Engineering:

Code	Title	Hours
Choose two of the following courses:		
INSY 3020	Occupational Safety Ergonomics ()	
INSY 5010	Occupational Safety Engineering	
INSY 5050	Industrial Hygiene and Environmental Hazards	
INSY 5080	Human Factors Engineering	
Choose two additional courses from the list above or below. **INSY students can select all four courses from the INSY Department.		
AVMG 2600	Human Factors in Aviation	
MECH 2020	Manufacturing Technology Lab	
AVMG 4060	Commercial Aviation Safety	
CHEN 4450	Process Economics and Safety	
CIVL 5430	Construction Safety and Health Management	
MECH 5970	Intermediate Special Topics in Mechanical Engineering	
Total Hours: 12		