

# Are you interested in...

Autonomous vehicles?

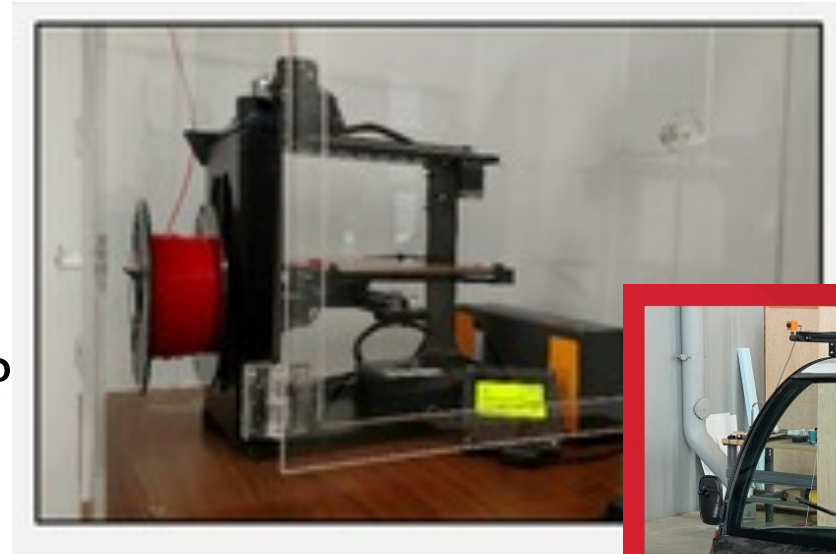
Robotics?

Sensor networks?

Artificial Intelligence and Machine Learning?

3D printers?

Smart buildings?



If so, consider enrolling in ME 280X, offered in Fall 2021. This is an introductory course for engineering students interested in Cyber Physical Systems (CPS). This course is a requirement for the NEW minor in CPS.

Pre-requisites: ENGR 160 (or equivalent), PHYS 221 or PHYS 231+L

**Course description** : This course will introduce the basic concepts of cyber-physical systems (CPS); physical and cyber considerations and constraints for design, analysis, performance monitoring and control of human-engineered physical systems; basic concepts of sensing, information processing and feedback actuation. There will be substantial hands-on computer programming activity relevant to CPS applications.

Learn more about this course and the CPS minor at <https://www.engineering.iastate.edu/cps-minor/>