

# AI IN ENGINEERING

Department website: AI in Engineering and Applied Science (<https://www.gonzaga.edu/school-of-engineering-applied-science/degrees-and-programs/electrical-computer-engineering/ai-minor/>)

The minor is for students not majoring in either the Bachelor of Science in Electrical Engineering (BSEE) or the Bachelor of Science in Computer Engineering (BSCpE).

## AI in Engineering Minor

### Program Requirements

Code	Title	Hours
<b>Lower Division</b>		
Select one of the following:		3
CPSC 121	Computer Science I	
ENSC 201	Programming for Engineers	
Or equivalent (with approval by the ECE Department Chair)		
CPSC 222	Introduction to Data Science	3
Select one of the following:		3
CPEN 231 & 231L	Embedded Computer Systems and Embedded Computer Systems Lab	
CPSC 260	Computer Organization	
<b>Upper Division</b>		
CPEN 436	Machine Learning in Biomed	3
CPEN 443	Autonomous Mobile Robots	3
EENG 413	Artificial Intelligence Powered Automation	3
Select one of the following:		
CPSC 321	Database Management Systems	
CPSC 322	Data Science Algorithms	
CPSC 475	Speech and Natural Language Processing	
CPSC 481	Data Analytics and Communication	
CPSC 482	Data Intensive Systems	