ARTIFICIAL INTELLIGENCE ENGINEERING, MINOR

Requirements for a minor may be completed at any campus location offering the specified courses for the minor. Students may not change from a campus that offers their major to a campus that does not offer their major for the purpose of completing a minor.

Program Description

The Artificial Intelligence Engineering minor equips students with core AI techniques and tools, including mathematical and computational foundations, enabling students to apply these to their major discipline, particularly computer science, computer engineering, and electrical engineering. Elective coursework allows students to choose a focus on topics relevant to their career goals.

Entrance to Minor

Students must complete ((CMPSC 121 and DS 120) or CMPSC 131) and (CMPSC 122 or CMPSC 132).

Program Requirements

Requirement	Credits
Requirements for the Minor	18

Requirements for the Minor

A grade of C or better is required for all courses in the minor, as specified by Senate Policy 59-10 (https://senate.psu.edu/students/policies-and-rules-for-undergraduate-students/59-00-minors-and-certificates/). In addition, at least six credits of the minor must be unique from the prescribed courses required by a student's major(s).

Code	Title	Credits
Prescribed Courses		
Prescribed Courses: Require a grade of C or better		
A-I 305	Algorithmic Foundations for Artificial Intelligence	3
A-I 410	AI Systems and Tools	3
EE 456	Introduction to Neural Networks	3
Additional Courses		
Additional Courses: Require a grade of C or better		
CMPSC 448	Machine Learning and Algorithmic AI	3
or CMPSC 445	Applied Machine Learning in Data Science	
Supporting Courses and Related Areas		
Supporting Courses and Related Areas: Require a grade of C or better		
6 credits of Department List electives not required by the major, at least 3 at the 400-level		6

Academic Advising

The objectives of the university's academic advising program are to help advisees identify and achieve their academic goals, to promote their intellectual discovery, and to encourage students to take advantage of both in-and out-of class educational opportunities in order that they become self-directed learners and decision makers.

Both advisers and advisees share responsibility for making the advising relationship succeed. By encouraging their advisees to become engaged in their education, to meet their educational goals, and to develop the habit of learning, advisers assume a significant educational role. The advisee's unit of enrollment will provide each advisee with a primary academic adviser, the information needed to plan the chosen program of study, and referrals to other specialized resources.

READ SENATE POLICY 32-00: ADVISING POLICY (https://senate.psu.edu/students/policies-and-rules-for-undergraduate-students/32-00-advising-policy/)

University Park

CSE Advising
W209 Westgate Building
University Park, PA 16802
cseadvising@engr.psu.edu

Contact

University Park

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
W209 Westgate Building
University Park, PA 16802
814-865-9505
cseadvising@engr.psu.edu

https://www.eecs.psu.edu