

ARTIFICIAL INTELLIGENCE

Degree Requirements

Requirements listed here are in addition to Graduate Council policies listed under GCAC-700 Professional Degree Policies (<https://gradschool.psu.edu/graduate-education-policies/>).

The MPS-AI degree is conferred upon students who earn a minimum of 33 credits at the 400, 500, or 800 level while maintaining an average grade-point average of 3.0 or better in all course work, including at least 18 credits at the 500 level or 800 level (with at least 6 credits at the 500 level). The program curriculum includes 21 credits of required courses, 9 credits of electives, and a 3-credit capstone course.

Code	Title	Credits
Required Courses		
STAT 500	Applied Statistics	3
DAAN 570	Deep Learning	3
DAAN 862	Analytics Programming in Python	3
A-I 879	Machine Vision	3
A-I 574	Natural Language Processing	3
A-I 801	Foundation of Artificial Intelligence	3
STS 589	Ethics and Values in Science and Technology	3
Electives		
An additional 9 credits of elective courses must be selected from the approved list of elective courses maintained by the graduate program office.		9
Culminating Experience		
A-I 894	Capstone Experience	3
Total Credits		33

Culminating Experience

All students will complete their program of study with the 3-credit capstone course (A-I 894) that provides students with an opportunity to apply their knowledge of the theories, methods, processes, and tools of AI, learned throughout their program, in a culminating and summative experience. The choice of project topic and exact form will be mutually determined by the instructor and each student. A written paper based on the applied project is required and must contain project description, analysis, and interpretation of its findings. Students will be encouraged to upload their capstone work products to be available publicly via ScholarSphere (<https://scholarsphere.psu.edu/>) and to participate in the World Campus Graduate Capstone Exhibition.