APPLIED ARTIFICIAL INTELLIGENCE, CERTIFICATE OF ACHIEVEMENT

The Applied Artificial Intelligence Certificate of Achievement provides students with practical skills to understand, apply, and critically evaluate AI tools across disciplines. Through three hands-on courses, students gain experience using AI for everyday productivity, software development, and interdisciplinary projects that address real-world challenges.

Because artificial intelligence is increasingly applied across disciplines, this certificate is intentionally designed to support students from a wide range of academic backgrounds. Electives emphasize diverse but complementary foundations in computation, ethics, communication, creativity, and scientific reasoning. The interdisciplinary nature ensures that students complete the certificate with skills aligned to their areas of interest, not limited to computer science and engineering.

Designed for both non-technical and technical learners, this certificate prepares students to responsibly use and adapt AI in academic, professional, and community settings. Graduates will be equipped with the knowledge and skills to engage critically and creatively with artificial intelligence in their chosen fields.

Upon successful completion of the program, students will be able to:

- Apply AI tools effectively and responsibly across multiple contexts, including everyday productivity, academic research, creative expression, and software development.
- Develop and evaluate AI-assisted solutions by integrating coding practices, interdisciplinary knowledge, and project-based learning to address real-world challenges.
- Analyze the ethical, social, and professional implications of AI with attention to issues of bias, equity, and accessibility, and articulate strategies for responsible use.

Code	Title	Units
Required Core:		*3*
CSCI 40	Introduction to AI Tools	
CSCI 42	AI For Software Development	
CSCI 44	Applied AI Projects	
Select two courses from the following electives:		*5-8*
ARTG 10	Introduction to Computers for Graphic Arts	
ARTG 11	Introduction to Photoshop	
ARTG 15	Graphic Design: Images and Type	
BIOL 10	Principles of Biology	
BUSI 2	Business Communication	
BUSI 6	Business Information Systems and Artificial Intelligence	
CSCI 9	Programming Fundamentals: Python	
CSCI 10A	Programming Methods I: Java	
CSIS 1	Computer Information Systems	
CSIS 86	Network Security Fundamentals/Security+ Prep	
ENGR 1B	Design and Prototyping	
MATH 17	Finite Math	
PHIL 4	Introduction to Ethics	
PHIL 10	Introduction to Critical Thinking	
Total Units		**8-11**

Please refer to the program requirements section of the Catalog for information about associate degree requirements and certificate requirements including Information Competency, and General Education requirements.

The model sequence of coursework below is one pathway for students to complete the program. The information below is not an official educational plan. An MPC Counselor can assist you with creating a personalized education plan based on your academic, career, and personal goals. Visit MPC's Counseling website for more information about Counseling and up-to-date program requirements.

Year 1		
Fall		**Units**
CSCI 40	Introduction to AI Tools	1
Elective 1		3-4
	Units	**4-5**
Spring		
CSCI 42	AI For Software Development	1
CSCI 44	Applied AI Projects	1
Elective 2		2-4
	Units	**4-6**
	Total Units	**8-11**