



ARTIFICIAL INTELLIGENCE

The Artificial Intelligence (AI) major at Mount St. Joseph University prepares students to understand how AI works, apply AI tools responsibly, and build practical skills in programming, data, machine learning, and ethical technology use. Students connect computer science with real-world human needs through hands-on coursework, applied projects, and faculty mentorship. Whether they are interested in technology, health care, business, education, creativity, or social impact, students will learn to use AI thoughtfully and prepare for careers in fields shaped by emerging technology.

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information.

LEARN ABOUT
**ETHICAL &
EFFECTIVE**
USE OF
**AI: ARTIFICIAL
INTELLIGENCE**

PROGRAM BENEFITS

Students in the Artificial Intelligence major build a foundation in computer science while developing specialized skills in AI, machine learning, data analysis, and responsible technology use.

Program benefits include:

- Hands-on experience with programming, data, and AI tools.
- Applied projects that connect AI to real-world problems.
- Personalized faculty mentorship and small class sizes.
- Opportunities to participate in cITe projects, showcases, and research experiences.
- Preparation for careers and graduate study in fast-growing technology fields.
- A curriculum that emphasizes both technical skill and ethical responsibility.

Students will learn not only how to use AI, but how to ask better questions about AI:

- How does it work?
- What data does it rely on?
- Who benefits?
- Who may be harmed?
- How can AI be designed and used responsibly?

This model offers students opportunities to form connections and receive support.

CAREER POTENTIAL

AI PRODUCT
DEVELOPMENT

ARTIFICIAL
INTELLIGENCE/
MACHINE
LEARNING

DATA SCIENCE
AND ANALYTICS

HEALTH
INFORMATICS

SOFTWARE
DEVELOPMENT

TECHNOLOGY
CONSULTING



SCAN TO FIND:

- Featured courses
- Program requirements and more!



MOUNT ST. JOSEPH UNIVERSITY®

SCHOOL OF ARTS & SCIENCES

Office of Admission
513-244-4531 | 800-654-9314
msj.edu | admission@msj.edu

Rebecca Allen, Ph.D.
Chair, Computer Science and Mathematics
Assistant Professor
cite@msj.edu | 513-999-2422 (call or text)



ARTIFICIAL INTELLIGENCE MAJOR - BACHELOR OF SCIENCE

FIRST YEAR-SEMESTER #1	FIRST YEAR- SEMESTER #2	UNIVERSITY CORE
NLP 105 Practical AI & Comps I 3	NLP 125 Practical AI & Comps II 3	COMMON GOOD
NLP 120 Python Programming I 3	NLP 221 Python Programming II 3	CORE 115 Common Ground Code COR
COM 100/ENG 101 3	COM 100/ENG 101 3	Justice & the Common Good Code JCG
CORE 115 Common Ground 3	MTH 193 Calculus I# 4	Ethics Code CE
Core requirement 3	SOC 103 Our Social World 3	Experiential Learning Code EXP
		Core Capstone Code CCP
		HUMANITIES
SECOND YEAR-SEMESTER #1	SECOND YEAR-SEMESTER #2	Speech (COM 100) Code C
NLP 106 Introduction to Research: Understanding Stakeholders I 3	NLP 126 Introduction to Research: Understanding Stakeholders II 3	Writing (ENG 101) Code C
NLP 230 Databases & Data I 3	NLP 250 Web Design & Develop I 3	Literature (ENG) Code CL
Core requirement 3	MTH 320 Probability & Statistics 4	Art or Music Code CAM
Core requirement 3	INF 331 Databases & Data II 3	History Code CH
Core requirement 3	Core requirement 3	Religious Studies Code CR
CED 220^ Found. of Profession. 1		Philosophy Code CP
		SCIENCES
		Biology/Chemistry/Physics + Lab Code CN
		Mathematics Code CMA
		SOC 103 Our Social World Code CS
		Choose one discipline:
		ECO 212 Microeconomics Code CEP
		PSY 103 Psychology Code CEP
THIRD YEAR-SEMESTER #1	THIRD YEAR-SEMESTER #2	NOTES
INF 255 Client-Side & Server I 3	INF 256 Client-Side & Server II 3	^CED 220 required for cooperative education option 120 credit hours minimum needed to graduate #Students must either take Precalculus (MTH 187) or test out of the course prior to taking Calculus I *Students must complete either one section of NLP 350 or two sections of INF 400 during the academic year **Curriculum Guide does not replace advising by a faculty member within the Computing department. ** Students cannot double major in Computer Science: Social Computing and Computer Science: Application Development.
INF 378 AI & Machine Learning 3	INF 325 Networks 3	
Core science requirement 4	INF 270 Intro to Mobile App Dev 3	
Core requirement 3	Core requirement 3	
	Math or Comp Sci. elective 3	
FOURTH YEAR-SEMESTER #1	FOURTH YEAR-SEMESTER #2	
INF 380 Operating Systems 3	Core Capstone 3	
INF 396/INF 496/CED 394 0-3	INF 400* Senior Research 1	
NLP 350 Applied Social Comp 3	Core requirement 3	
OR INF 400 Senior Research* 1	Elective 3	
Elective 3	Elective 3	
Elective 3		

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MOUNT ST. JOSEPH UNIVERSITY®

5701 Delhi Road
Cincinnati, Ohio 45233-1670
513-244-4200
www.msj.edu

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