



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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\$8,000

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513-999-2422 for more
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
SECOND YEAR-SEMESTER #1		SECOND YEAR-SEMESTER #2		HUMANITIES	
NLP 106 Introduction to Research:		NLP 126 Introduction to Research:		Speech (COM 100)	Code C
Understanding Stakeholders I	3	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
THIRD YEAR-SEMESTER #1		THIRD YEAR-SEMESTER #2		SCIENCES	
INF 255 Client-Side & Server I	3	INF 256 Client-Side & Server II	3	Biology/Chemistry/Physics + Lab	Code CN
INF 378 AI & Machine Learning	3	INF 325 Networks	3	Mathematics	Code CMA
Core science requirement	4	INF 270 Intro to Mobile App Dev	3	SOC 103 Our Social World	Code CS
Core requirement	3	Core requirement	3	Choose one discipline:	
		Math or Comp Sci. elective	3	ECO 212 Microeconomics	Code CEP
				PSY 103 Psychology	Code CEP
FOURTH YEAR-SEMESTER #1		FOURTH YEAR-SEMESTER #2		NOTES	
INF 380 Operating Systems	3	Core Capstone	3	[^] CED 220 required for cooperative education option	
INF 396/INF 496/CED 394	0-3	INF 400* Senior Research	1	120 credit hours minimum needed to graduate	
NLP 350 Applied Social Comp	3	Core requirement	3	#Students must either take Precalculus (MTH 187) or test out of the course prior to taking Calculus I	
OR INF 400 Senior Research*	1	Elective	3	*Students must complete either one section of NLP 350 or two sections of INF 400 during the academic year	
Elective	3	Elective	3	**Curriculum Guide does not replace advising by a faculty member within the Computing department. **	
Elective	3			Students cannot double major in Computer Science: Social Computing and Computer Science: Application Development.	

Updated by RA on 06.16.2026



**MOUNT ST. JOSEPH
UNIVERSITY®**

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

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