



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.

Choose **1st** CITE SCHOLARSHIPS UP TO
\$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

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Assistant Professor
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ARTIFICIAL INTELLIGENCE MAJOR - BACHELOR OF SCIENCE

FIRST YEAR-SEMESTER #1		FIRST YEAR- SEMESTER #2		UNIVERSITY CORE	
NLP 105/MTH 107 Practical AI & Comps I		NLP 125 Practical AI & Comps II		COMMON GOOD	
NLP 120 Python Programming I		NLP 221 Python Programming II		CORE 115 Common Ground	Code COR
COM 100/ENG 101		COM 100/ENG 101		Justice & the Common Good	Code JCG
CORE 115 Common Ground		MTH 187 Precalculus [#]		Ethics	Code CE
ETH:PHI 241 Ethics & Soc in AI		SOC 103 Our Social World		Experiential Learning	Code EXP
				Core Capstone	Code CCP
SECOND YEAR-SEMESTER #1		SECOND YEAR-SEMESTER #2		HUMANITIES	
NLP 106 Introduction to Research: Understanding Stakeholders I		NLP 126 Introduction to Research: Understanding Stakeholders II		Speech (COM 100)	Code C
NLP 230 Databases & Data I		NLP 250 Web Design & Develop I		Writing (ENG 101)	Code C
MTH 174 Statistics		MTH 193 Calculus I		Literature (ENG)	Code CL
Core requirement		INF 331 Databases & Data II		Art or Music	Code CAM
Core requirement		NLP 435 Data Visual & Dashboard		History	Code CH
CED 220^ Found. of Profession.				Religious Studies	Code CR
				Philosophy	Code CP
THIRD YEAR-SEMESTER #1		THIRD YEAR-SEMESTER #2		SCIENCES	
INF 325 Networking		INF 440 Applied AI Tools		Biology/Chemistry/Physics + Lab	Code CN
INF 378 AI & Machine Learning		INF 445 Intro to AI Applications		Mathematics	Code CMA
Core science requirement		Core requirement		SOC 103 Our Social World	Code CS
Computer Science elective		Core requirement		Choose one discipline:	
Computer Science elective		Computer Science elective		ECO 212 Microeconomics	Code CEP
				PSY 103 Psychology	Code CEP
FOURTH YEAR-SEMESTER #1		FOURTH YEAR-SEMESTER #2		NOTES	
INF 380 Operating Systems		Core Capstone		^CED 220 required for cooperative education option	
NLP 350 Applied Social Comp/		INF 400* AI Capstone/NLP 350 Applied		120 credit hours minimum needed to graduate	
INF 400* AI Capstone		Social Comp/Co-op		#Students can test out of Precalculus (MTH 187) and the course can be replaced with any available MTH 200 or above course that is not required	
NLP 445 Conversational AI		Elective		*Students must complete either one section of NLP 350 or two sections of INF 400 during the academic year	
NLP XXX Careers in AI & Tech		Elective		**Curriculum Guide does not replace advising by a faculty member within the Computing department. **	
Elective				Students cannot double major in Computer Science: Social Computing and Computer Science: Application Development.	

Approved by RA on 06.12.2026



**MOUNT ST. JOSEPH
UNIVERSITY®**

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