



SOCIAL COMPUTING

Social computing is the study of how people use technology to connect, communicate, and collaborate—and how those technologies can be designed to better support human needs. From social media platforms and online communities to shared documents and AI-powered recommendation systems, social computing focuses on creating systems that are intuitive, inclusive, and responsive to the ways we live and interact. As artificial intelligence becomes more present in our daily lives, social computing helps ensure that these systems understand and respect the complexities of human behavior, values, and relationships. Because it's centered on real people and their goals, social computing has applications across many fields—from healthcare and education to business, journalism, and public policy—making it an essential area of study for anyone who wants to use technology to solve meaningful, human-centered problems.

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

STUDENTS CAN EARN A
SECOND MAJOR
BY TAKING ONLY
9 COURSES
OVER THEIR FOUR YEARS

BEYOND THE CLASSROOM

HANDS-ON EXPERIENCE Students in the ciTe Scholars Program have an exclusive opportunity to co-op as paid ciTe support scholars and IT interns, working directly with industry partners through CITE, INC to create apps, chatbots, and other technical solutions that solve real-world problems. Students are also able to work with faculty and staff on academic research efforts. This hands-on experience enables students to explore their interests and hone their skills for the workforce and graduate studies.

COHORT-BASED LEARNING The program's cohort-based model allows students to take Social Computing courses with the same group of students. This learning model offers students opportunities to form connections with others and receive support from peers.

WOMEN IN TECHNOLOGY During the 2023-2024 academic year, approximately 40 percent of our student population identified as female, which is nearly twice as many female students compared to the estimated national average of computer science bachelor degree earners (National Center for Science and Engineering Statistics, 2021).

CAREERS IN SOCIAL COMPUTING

AI
ARCHITECTURE

APP
DEVELOPMENT
& WEB DESIGN

APPLIED
RESEARCH
SCIENCE

DATA SCIENCE

PROJECT
MANAGEMENT

USER
EXPERIENCE
DESIGN (UX/UI)



SCAN TO FIND:

- Featured courses
- Program requirements and more!



MOUNT ST. JOSEPH UNIVERSITY®
SCHOOL OF ARTS & SCIENCES

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Rebecca Allen, Ph.D.
Chair, Computer Science and Mathematics
Assistant Professor
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SOCIAL COMPUTING 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 106 Introduction to Research: Understanding Stakeholder I	3	NLP 126 Introduction to Research: Understanding Stakeholder II	3	CORE 115 Common Ground	Code COR
COM 100/ENG 101	3	MTH 165 [#] Hacking Math: A Tech-Based Survey of Math	3	Justice & the Common Good	Code JCG
CORE 115 Common Ground	3	COM 100/ ENG 101	3	Ethics	Code CE
Course for second major	3	Course for second major	3	Experiential Learning	Code EXP
				Core Capstone	Code CCP
SECOND YEAR-SEMESTER #1		SECOND YEAR-SEMESTER #2		HUMANITIES	
NLP 120 Python Programming I	3	NLP 221 Python Programming II	3	Speech (COM 100)	Code C
SOC 103 Our Social World	3	Course for second major	3	Writing (ENG 101)	Code C
Course for second major	3	Course for second major	3	Literature (ENG)	Code CL
Core requirement	3	Core requirement	3	Art or Music	Code CAM
Core requirement	3	Core requirement	3	History	Code CH
CED 220 [^] Found. of Professional	1	Core requirement	3	Religious Studies	Code CR
				Philosophy	Code CP
THIRD YEAR-SEMESTER #1		THIRD YEAR-SEMESTER #2		SCIENCES	
NLP 230 Databases & Data I	3	NLP 250 Web Design & Develop I	3	Biology/Chemistry/Physics + Lab	Code CN
Core science requirement	4	Course for second major	3	Mathematics	Code CMA
Course for second major	3	Course for second major	3	SOC 103 Our Social World	Code CS
Course for second major	3	Core requirement	3	Choose one discipline:	
Course for second major	3	Core requirement	3	ECO 212 Microeconomics	Code CEP
				PSY 103 Psychology	Code CEP
FOURTH YEAR-SEMESTER #1		FOURTH YEAR-SEMESTER #2		NOTES	
NLP 350 Applied Social Comp.	3	Core Capstone	3	[^] CED 220 required for cooperative education option 120 credit hours minimum needed to graduate	
Course for second major	3	Course for second major	3		
Course for second major	3	Course for second major	3	#MTH 165 Hacking Math: A Tech- Based Survey of Math is recommended	
Core requirement	3	Core requirement	3	NLP courses other than NLP 105, NLP 106, NLP 125, and NLP 126 may be substituted for more advanced courses with permission.	
Core requirement	3	Core requirement	3	Social computing is a double major program, designed to infuse technology with another area of study, such as business, art, communication, education or health. Students pursuing social computing must double major in another available bachelor's degree in order to earn a social computing degree. Many double degree plans do require only four years; students should consult the computer science department for advising to map out their time at the Mount.	
				Curriculum Guide does not replace advising by a faculty member within the Computing department	

Updated by RA on 05.02.2025



**MOUNT ST. JOSEPH
UNIVERSITY®**

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