



# WEB & MOBILE APP DEVELOPMENT

Your next "app" could change the world! If you can conceive it, you can create it! Your creativity and innovation coupled with the knowledge and skills learned from studying Web & Mobile App Development can empower you to make a difference. Students in this major have the option of choosing between a technical and non-technical concentration. Selecting a concentration in either mathematics or graphic design enables the student to customize the required course work to his/her interests.



### SCAN TO FIND:

- Featured courses.
- Program requirements and more!

## BEYOND THE CLASSROOM

### HANDS-ON EXPERIENCE

The senior research project is a year-long academic endeavor with one-on-one interaction between a faculty member and graduating senior. Every student majoring in Computer Science is required to co-op with a relevant business or organization.



### MATH AND COMPUTING CLUB (MC<sup>2</sup>)

In addition to completing a wide range of computing coursework, you will also be part of our Math and Computing Club (MC<sup>2</sup>) where leadership opportunities are available. At monthly lunch meetings and social events, students will get to know other students and faculty outside of the classroom. In keeping with the mission of the university, we also participate in multiple community service projects throughout the academic year.

## AFFORDABLE EDUCATION

**PRESIDENT'S SCHOLARSHIP**  
FULL TUITION & FEES

**DEAN'S SCHOLARSHIP**  
up to \$24,000/year

**MERIT SCHOLARSHIPS**  
up to \$22,000/year

President's and Dean's scholarships are competitively awarded to high school seniors (class of 2023). To be eligible for consideration, you must apply by December 1, 2022. Merit scholarships are awarded based on high school GPA. For more information visit [www.msjeu.edu/scholarships](http://www.msjeu.edu/scholarships).

## CAREERS IN WEB & MOBILE APP DEVELOPMENT

CONTENT  
MANAGEMENT  
SYSTEM MANAGER

FRONT END  
DESIGNER

FULL STACK  
WEB DEVELOPER

HUMAN-  
COMPUTER  
INTERACTION (HCI)  
SPECIALIST

MOBILE APP  
DEVELOPER

USER  
EXPERIENCE (UX)  
DESIGNER

## ALUMNI SUCCESS

# 100%

### CAREER OUTCOMES RATE

100% of 2021 School of Behavioral & Natural Sciences graduates were successfully employed, enrolled in graduate studies, or volunteering within six months of graduation. The knowledge rate for this survey was 85%.



# MOUNT ST. JOSEPH UNIVERSITY®

## SCHOOL OF BEHAVIORAL & NATURAL SCIENCES

Office of Admission  
513-244-4531 | 800-654-9314  
[www.msjeu.edu](http://www.msjeu.edu) | [admission@msjeu.edu](mailto:admission@msjeu.edu)

**Dennis Gibson, M.S.**  
Chair, Department of Computing  
Assistant Professor  
[dennis.gibson@msjeu.edu](mailto:dennis.gibson@msjeu.edu)

# WEB & MOBILE APP DEVELOPMENT MAJOR - BACHELOR OF SCIENCE

FIRST YEAR-SEMESTER #1	FIRST YEAR- SEMESTER #2	UNIVERSITY CORE
INF 120 Princ. of Programming I 3	INF 221 Princ. of Programming II 3	COMMON GOOD
MTH 193 Calculus I 4	COM 100/ ENG 101 3	CORE 115 Common Ground Code COR
COM 100/ENG 101 3	Minor requirement 3	Justice & the Common Good Code JCG
CORE 115 3	Core requirement 3	Ethics Code CE
SOC 103 3	Core requirement 3	Experiential Learning Code EXP
		Core Capstone Code CCP
SECOND YEAR-SEMESTER #1	SECOND YEAR-SEMESTER #2	HUMANITIES
INF 270 Intro to Mobile App Development 3	INF 324 Data Structures 3	Speech (COM 100) Code C
Minor requirement 3	INF 328 Object-Oriented Analysis & Design 3	Writing (ENG 101) Code C
Minor requirement 3	Core requirement 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 Profession. 1		Religious Studies Code CR
		Philosophy Code CP
THIRD YEAR-SEMESTER #1	THIRD YEAR-SEMESTER #2	SCIENCES
INF 230 Database Design & Development 3	INF 255 Client-Side Scripting 3	Biology/Chemistry/Physics + Lab Code CN
INF 250 Web Fundamentals & Standards 3	INF 256 Server-Side Scripting 4	Mathematics Code CMA
INF 380 Operating Systems 3	INF 325 Networks 3	SOC 103 Our Social World Code CS
Minor requirement 3	Core requirement 3	
Core science requirement 4	Minor requirement 3	Choose one discipline:
		ECO 212 Microeconomics Code CEP
		PSY 103 Psychology Code CEP
FOURTH YEAR-SEMESTER #1	FOURTH YEAR-SEMESTER #2	NOTES
INF 355 Advanced Client-Side Scripting 3	INF 331 Applied Database 3	Student must choose between Graphic Design Track with Graphic Design minor or Technical Track with Mathematics minor
INF 356 Advanced Server-Side Scripting 3	INF 377 Introduction to Automata 3	
INF 370 Algorithms 3	INF 400 Senior Research 1	^CED 220 required for cooperative education option for Experiential Education.
INF 400 Senior Research 1	Minor requirement 3	
INF Experiential Learning 3	Core Capstone 3	120 credits hours minimum needed to graduate.
Minor requirement/Elective 3		**Curriculum Guide does not replace advising by a faculty member within the Computing department. **



**MOUNT ST. JOSEPH UNIVERSITY**®

5701 Delhi Road  
Cincinnati, Ohio 45233-1670  
513-244-4200  
[www.msj.edu](http://www.msj.edu)

Mount St. Joseph University ("the University") is committed to providing an educational and employment environment free from discrimination or harassment on the basis of race, color, national origin, religion, sex, age, disability, sexual orientation, gender identity, or other minority or protected status. This commitment extends to the University's administration of its admission, financial aid, employment, and academic policies, as well as the University's athletic programs and other University-administered programs, services, and activities.

The University has designated the Title IX Coordinator, (513) 244-4467, as the individual responsible for responding to inquiries, addressing complaints, and coordinating compliance with its responsibilities under Title IX of the Education Amendments of 1972 and other related federal and state civil rights laws. The University has designated the Director of Human Resources/Equal Opportunity Officer, (513) 244-4979, as the individual responsible for responding to inquiries, issues, or complaints relating to discriminatory, harassing, or retaliatory conduct related to race, color, national origin, religion, age, disability, or any other legally protected status. The University has designated the Associate Provost for Academic Affairs, (513) 244-4614, as the individual responsible for responding for addressing formal complaints regarding compliance with its responsibilities under Section 504 of the Rehabilitation Act of 1973. 09-WO-001842/21/600