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^2)

In addition to completing a wide range of computing coursework, you will also be part of our Math and Computing Club (MC2) 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.

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

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.msj.edu/scholarships*.

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.msj.edu | admission@msj.edu

Dennis Gibson, M.S.
Chair, Department of Computing
Assistant Professor
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WEB & MOBILE APP DEVELOPMENT MAJOR - BACHELOR OF SCIENCE

FIRST YEAR-SEMESTER #1

INF 120 Princ. of Programming I	3
MTH 193 Calculus I	4
COM 100/ENG 101	3
CORE 115	3
SOC 103	3

FIRST YEAR- SEMESTER #2

INF 221 Princ. of Programming II	3
COM 100/ ENG 101	3
Minor requirement	3
Core requirement	3
Core requirement	3

SECOND YEAR-SEMESTER #1

INF 270 Intro to Mobile App Development	3
Minor requirement	3
Minor requirement	3
Core requirement	3
Core requirement	3
CED 220^ Found. of Profession.	1

SECOND YEAR-SEMESTER #2

INF 324 Data Structures	3
INF 328 Object-Oriented Analysis & Design	3
Core requirement	3
Core requirement	3
Core requirement	3

THIRD YEAR-SEMESTER #1

INF 230 Database Design & Development	3
INF 250 Web Fundamentals & Standards	3
INF 380 Operating Systems	3
Minor requirement	3
Core science requirement	4

THIRD YEAR-SEMESTER #2

INF 255 Client-Side Scripting	3
INF 256 Server-Side Scripting	4
INF 325 Networks	3
Core requirement	3
Minor requirement	3

FOURTH YEAR-SEMESTER #1

INF 355 Advanced Client-Side Scripting	3
INF 356 Advanced Server-Side Scripting	3
INF 370 Algorithms	3
INF 400 Senior Research	1
INF Experiential Learning	3
Minor requirement/Elective	3

FOURTH YEAR-SEMESTER #2

INF 331 Applied Database	3
INF 377 Introduction to Automata	3
INF 400 Senior Research	1
Minor requirement	3
Core Capstone	3

UNIVERSITY CORE

COMMON GOOD

CORE 115 Common Ground	Code COR
Justice & the Common Good	Code JCG
Ethics	Code CE
Experiential Learning	Code EXP
Core Capstone	Code CCP

HUMANITIES

Speech (COM 100)	Code C
Writing (ENG 101)	Code C
Literature (ENG)	Code CL
Art or Music	Code CAM
History	Code CH
Religious Studies	Code CR
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

NOTES

Student must choose between Graphic Design Track with Graphic Design minor or Technical Track with Mathematics minor

^CED 220 required for cooperative education option for Experiential Education.

120 credits hours minimum needed to graduate.

Curriculum Guide does not replace advising by a faculty member within the Computing department.