

Information Technology, AAS

Mobile Application Development– Concentration

Academic Year 2024-2025

Program Description:

Students who receive this AAS in Information Technology (IT) concentration will have a broad technical knowledge and a specific application programming skill set used in the Mobile Application Development areas. The curriculum is designed to maintain maximum flexibility in order to compete in the changing workforce.

Students who graduate with the Mobile Application development concentration can expect to find employment as an application developer, software engineer, applications system analyst, user interface designer, etc.

Mobile Application Developers design and create mobile applications. They are responsible for the look and the interaction of the mobile application. They are also responsible for the technical aspects, such as performance and how much traffic an application can handle. In addition, they may be asked to create content for the mobile app.

Career Outlook and Salary Forecast:

For the most current information please refer to the Bureau of Labor Statistics “Occupational Outlook Handbook” found at www.bls.gov/ooh/.

Program Outcomes:

- Utilize industry-standard mobile programming languages to create applications
- Utilize mobile programming frameworks and libraries with proficiency
- Apply design and development principles in the construction of mobile applications
- Collaborate with team members on projects, working to develop mobile applications from design through production to release
- Formulate comprehensive application design, incorporating frontend and backend infrastructure
- Apply appropriate best practices in mobile application development including test-driven development, source version control, and app store deployment procedures

Admission Requirements:

The college adheres to an open admission policy which means applications with a high school diploma or GED are eligible for admission. Applicants with neither a high school diploma nor GED may be admitted on a conditional basis.

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Mountwest empowers students to learn and lead in the community and in the workforce.

Information Technology Major Code – CI20 • Mobile Application Development Concentration – CI29

Name:

ID Number 942-

Educational Counselor:

Faculty Advisor:

COURSE	REQUIREMENTS	SEM	HRS	GR	SUBSTITUTE/REPEAT CRS	SEM	CR
ENL 101	Written Communication ¹		3				
IT 102	Advanced Computer Apps		3				
IT 107	Fundamentals of the Internet (1 st 8 weeks)		3				
IT 212	Publishing on the Internet ² (2 nd 8 weeks)		3				
IT 298	Game & Design Internship/Coop ³		1				
MAT 120	Applied Professional Math ⁴		3				
			16				
COM 125	Interpersonal Communication		3				
IT 115	Introduction to Programming	S	3				
IT 156	Mobile App Design ¹⁰	S	3				
IT 242	Emerging Web Technologies ⁷ (1 st 8 weeks)	S	3				
IT 252	Advanced Web Publishing ¹¹	S	3				
IT 298	Gaming & Design Internship/Co-op ⁴		1				
			16				
IT 215	Advanced Programming ⁹	F	3				
IT 237	Mobile App Programming ¹⁴	F	3				
IT 250	Applications to Databases ⁸ (2 nd 8 weeks)		3				
IT 262	Mobile App Development ⁶		3				
IT 298	Gaming & Design Internship/Co-op ⁴		1				
	IT Elective		3				
			16				
ENL 131	Technical Report Writing ⁵		3				
IT 247	Advanced Mobile Programming ¹²	S	3				
IT 257	Mobile App Deployment ¹³	S	3				
IT 296	Mobile App Entrepreneurship ¹⁴	S	3				
IT 298	Gaming & Design Internship/Co-op ⁴		1				
			13				
	Hours Required for Graduation		61				

¹ ENL 101 has a prerequisite of placement in 100-level English or a corequisite of ENL 095. Students must complete ENL 101 with a "C" or better to graduate.

² IT 212 has a prerequisite of IT 107.

³ Permission of Program Coordinator is required in order to enroll in IT 298.

⁴ Mat 120 has a prerequisite of placement in 100-level Math or a minimum ACT Math score of 19 or SAT Math score of 510.

⁵ ENL 131 has a prerequisite of placement in 100-level English.

⁶ IT 262 has a prerequisite of IT 215 or Permission.

⁷ IT 242 has a prerequisite of IT 212.

⁸ IT 250 has a prerequisite of IT 101 or IT 102.

⁹ IT 215 has a prerequisite of a "C" or better in IT 115, or permission.

¹⁰ IT 156 has a prerequisite of pass IT 212 with a "C" or higher.

¹¹ IT 252 has a prerequisite of IT 212.

¹² IT 247 has a prerequisite of pass IT 237 with a "C" or higher and a co-requisite of IT 257.

¹³ IT 257 has a prerequisite of pass IT 237 with a "C" or higher and a co-requisite of IT 247.

¹⁴ IT 237 and IT 296 have a prerequisite of pass It 156 with a "C" or better.