

Information Technology AAS

Mobile Application Development– Concentration

Career & Technical Division

Program Description:

Students who receive this A.A.S. 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:

According to the U.S. Bureau of Labor Statistics, March 2019, Employment of software developers is projected to grow 24 percent from 2016 to 2026, much faster than the average for all occupations. Employment of applications developers is projected to grow 31 percent, and employment of systems developers is projected to grow 11 percent. The main reason for the growth in both applications developers and systems developers is a large increase in the demand for computer software.

Systems developers are likely to see new opportunities because of an increase in the number of products that use software. For example, more computer systems are being built into consumer electronics and other products, such as cell phones and appliances.

Salary Forecast:

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

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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Our mission is to prepare students for careers, civic responsibility and life-long learning.

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

Name:	ID Number 942-
Educational Counselor:	
Faculty Advisor:	

COURSE REQUIRED

COURSE	REQUIREMENTS	SEM	HRS	GR	SUBSTITUTE/REPEAT CRS	SEM	CR
ENL 111	Written Communication ¹		3				
IT 102	Advanced Computer Apps ²		3				
IT 107	Fundamentals of the Internet 1 st 8 weeks		3				
IT 212	Publishing on the Internet ³ 2 nd 8 weeks		3				
IT 298	Game & Design Internship/Coop ⁴		1				
	Approved Math Elective ⁵		3				
ENL 231	Technical Report Writing ⁶		3				
IT 262	Mobile App Development ⁷		3				
IT 242	Emerging Web Technologies ⁸ 1 st 8 weeks		3				
COM 125	Interpersonal Communication ⁹		3				
IT 250	Applications to Databases ¹⁰ 2 nd 8 weeks		3				
IT 298	Gaming & Design Internship/Co-op ⁴		1				
IT 237	Mobile App Programming ¹¹		3				
IT 215	Advanced Programming ¹²		3				
IT 256	Mobile App Design ¹³		3				
IT 277	Management Information Systems ¹⁴		3				
IT 298	Gaming & Design Internship/Co-op ⁴		1				
	IT Elective		3				
IT 252	Advanced Web Publishing ¹⁵		3				
IT 247	Advanced Mobile Programming ¹⁶		3				
IT 257	Mobile App Deployment ¹⁷		3				
IT 296	Mobile App Entrepreneurship ¹⁸		3				
IT 298	Gaming & Design Internship/Co-op ⁴		1				

¹ ENL 111 has a prerequisite of placement in 100-level English, and placement in 100-level reading.
² Students are expected to have basic knowledge of computers including operating systems such as Window XP or Vista and Microsoft Office 2003 or Office 2007 before entering this program. The student must register for IT 101 during his or her first semester or successfully pass a challenge exam for IT 101.
³ IT 212 has a prerequisite of IT 107.
⁴ Permission of Program Coordinator is required in order to enroll in IT 298.
⁵ Approved Math electives are MAT 145, MAT 146, MAT 205, and MAT 215 (select one based on program track - see advisor)
⁶ ENL 231 has a prerequisite of placement in 100-level English, and placement in 100-level reading.
⁷ IT 262 has a prerequisite of IT 215 or Permission.
⁸ IT 242 and IT 252 have a prerequisite of IT 212.
⁹ COM 112 and COM 125 have a prerequisite of placement in 100-level reading.
¹⁰ IT 250 has a prerequisite of IT 101 or IT 102.
¹¹ IT 237 has a prerequisite of "C" or higher in IT 262 and a co-requisite of IT 256.
¹² IT 215 has a prerequisite of a "C" or better in IT 115, or permission.
¹³ IT 256 has a prerequisite of Pass IT 262 with a "C" or higher and a Co-requisite of IT 237.
¹⁴ IT 277 has a co-requisite of IT 299 or permission.
¹⁵ IT 252 has a prerequisite/co-requisite of IT 212.
¹⁶ IT 247 has a prerequisite of pass IT 237 with a "C" or higher and a co-requisite of IT 257.
¹⁷ IT 257 has a prerequisite of pass IT 237 with a "C" or higher and a co-requisite of IT 247.
¹⁸ IT 296 has a prerequisite of pass IT 277 with a "C" or higher and a co-requisite of IT 257.

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