

Division of Applied Science & Technology

Associate of Applied Science – Computer Software Specialist (222)

Program Description

The Computer Software Specialist program is designed to prepare students to enter the workforce as computer professionals who can develop business-oriented software applications. General and specialized computer courses with an emphasis in programming and database applications are complemented by general education courses. Students will participate in a comprehensive program that includes both classroom and lab instruction, along with a work-based learning experience at an area business or a comprehensive computer project.

Opportunities for Employment

Students completing this degree will be prepared to work in a variety of IT positions with Internet service providers and either public and private organizations. Motivated software specialists can advance to positions such as software developers, database administrators, systems analysts, web programmers, and webmasters.

Program Requirements

Students are required to take English and mathematics placement tests. Developmental classes in these areas may be required. Students may receive college credit for verified on-the-job experience. Courses taken out of suggested sequence must have the approval of the program advisor.

For Further Information Contact:

Terri Lane
tlane@mecc.edu
276.523.2400 ext. 240

Nasser Maksoud
nmaksoud@mecc.edu
276.523.2400 ext. 259

Fran Doyle, Assistant Dean
fdoyle@mecc.edu
276.523.2400 ext. 313

PROGRAM OF STUDY

FIRST YEAR FALL				
<i>Course #</i>		<i>Course Title</i>	<i>Credit</i>	<i>Progress</i>
ITE	131	Survey of Internet Services	1	
ITD	110	Web Page Design I	3	
ITE	119	Information Literacy	3	
ITN	171	Unix I	3	
ITN	101	Intro to Network Concepts	3	
SDV	100	College Success Skills	1	
FIRST YEAR SPRING				
ENG	111 or 115	College Composition I or Technical Writing	3	
		Social Science or Humanities Elective	3	
ITP	100	Software Design	3	
ITP	120	Java Programming I	3	
ITP	140	Client Side Scripting	3	
IND	137	Team Concepts and Problem Solving	3	
SECOND YEAR FALL				
ITE	150	Desktop Database Software	3	
ITP	132	C ++ Programming I	3	
MTH	103	Applied Technical Math	3	
ITP	193	Studies in PHP/MySQL	3	
ITP	220	Java Programming II	3	
SDV	106	Preparation for Employment	1	
SECOND YEAR SPRING				
ITP	232	C++ Programming II	3	
ITP	214	Windows Mobile Development	3	
ITP	251	Systems Analysis & Design	3	
ITP	298	Capstone	3	
		Social Science Elective	3	
		Humanities Elective	3	
Total Minimum Credits for Degree			66	