



## Computer Information Systems – Web Technology

Associate of Applied Science

Technology Pathway

AC Course Number	Required Course Titles	Credit Hours	Semesters Offered	Course Modalities
<b>FIRST YEAR</b>				
<b>First Semester</b>				
<input type="checkbox"/> ITSC 1301	Introduction to Computers	3	F	F2F, Int
<input type="checkbox"/> ITSE 1302	Computer Programming	3	F, Sp, Su	Int, Hyb
<input type="checkbox"/> IMED 1416	Wed Design I	4	F	Hyb
<input type="checkbox"/> ARTV 1351	Digital Video	3	F, W, Sp, Su	F2F, Int, Hyb
<b>Second Semester</b>				
<input type="checkbox"/> ARTC 1402	Digital Imaging I	4	F, W, Sp, Su	F2F, Int, Hyb
<input type="checkbox"/> ITSE 1350	Systems Analysis Design	3	Sp	F2F
<input type="checkbox"/> IMED 2315	Web Design II	3		
<input type="checkbox"/> ITSE 2317	Java Programming	3	Sp	F2F
<input type="checkbox"/> ENGL 1301	Composition I	3	F, W, Sp, Su	F2F, Int, Hyb
<b>SECOND YEAR</b>				
<b>First Semester</b>				
<input type="checkbox"/> INEW 2330	Comprehensive Software Project: Planning & Design	3	F	Hyb
<input type="checkbox"/> ARTC 2405	Digital Imaging II	4	F, W, Sp, Su	F2F, Int, Hyb
<input type="checkbox"/> IMED 2309	Internet Commerce	3		
<input type="checkbox"/> ECON 2301	Principles of Macroeconomics	3	F, Sp, Su	F2F, Int
<input type="checkbox"/> SPCH 1315	Public Speaking	3	F, W, Sp, Su	F2F, Int, Hyb
<b>Second Semester</b>				
<input type="checkbox"/> ITSC 2380 or ITSC 2339	Cooperative Education, CIS General or Personal Computer Help Desk Support	3	F, Sp	Int
<input type="checkbox"/> ARTS 2348	Digital Art I	3	F, W, Sp, Su	F2F, Int, Hyb
<input type="checkbox"/> INEW 2332	Comprehensive Software Project: Coding, Testing, & Implementation	3		
<input type="checkbox"/> XXXX 13xx	Creative Arts Core	3	F, W, Sp, Su	F2F, Int, Hyb
<input type="checkbox"/> MATH 1314 or MATH 1332	College Algebra or Contemporary Mathematics	3	F, W, Sp, Su	F2F, Int, Hyb
<b>TOTAL CREDIT HOURS</b>		60		

\* Choose from ARTS 1301, DRAM 1310, MUSI 1306, or MUSI 1310

Semesters: Fall (F), Winter (W)Spring (Sp), Summer (Su)

Modalities: Face-to-face (F2F), Internet/online (Int), Hybrid (Hyb)



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### Transfer Opportunities

Bachelors Applied Arts & Science (BAAS) at most Universities

### Marketable Skills

- 1) Work well on a team
- 2) Define, explain and interpret technical information
- 3) Use critical thinking to identify strengths and weakness to determine solutions
- 4) Identify appropriate information sources
- 5) Use math to answer questions
- 6) Schedule/coordinate Operations
- 7) Use current technology to diagnose and solve problems
- 8) Use Troubleshooting to determine causes and decide what to do about it
- 9) Think on your feet

### Career Opportunities and Salaries

Employment of web developers is projected to grow 15 percent from 2016 to 2026, much faster than the average for all occupations. Employment of web developers is projected to grow as ecommerce continues to expand. Online purchasing is expected to grow faster than the overall retail industry. As retail firms expand their online offerings, demand for web developers will grow. In addition, an increase in the use of mobile devices to search the web will lead to increased demand for web developers. Instead of designing a website for a desktop computer, developers will have to create sites that work on mobile devices with many different screen sizes, leading to more work.

**Occupations, beginning salaries:**

Web Developers - \$36,830

### Technical Skills

They are responsible for the look of the site. They are also responsible for the site's technical aspects, such as its performance and capacity, which are measures of a website's speed and how much traffic the site can handle.

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