

## **Associate in Applied Science Degree in Computer Science Web Design Option**

### **Purpose of the Curriculum**

The Associate in Applied Science in Computer Science – Web Design Option prepares students for employment in all areas of web design. Individuals can work for a company or independently as an entrepreneur. Students get hand-on experience using the latest in web design software, database software and networking technologies.

### **Program Learning Outcomes**

1. The student will have fundamental knowledge of the information technology field.
2. The student will have an understanding of computer program design and development using one of more programming languages.
3. The student will have skills in developing and implementing relational databases.
4. The student will understand basic networking technologies.
5. The student will have skills in graphics design.
6. Students will have skills in project management.
7. The student will have skills in designing and developing database-driven web sites with graphical and multimedia content.

## Curriculum/Suggested Sequence

<b>FIRST SEMESTER</b>		<b>CREDITS</b>
MATH	101 College Algebra	3
ENGL	101 English Composition	3
ITEC	101 Principles of Information Systems	3
COLL	101 College 101	3
ART	101 Introduction to Art	<u>3</u>
		15
<b>SECOND SEMESTER</b>		
ART	217 Computer Graphics	3
ITEC	183 Network +	4
CS	109 Foundations for Programming	3
ENGL	102 English Composition <b>OR</b>	3
ENGL	120 Technical Writing	
CS	142 Introduction to Web Design	<u>3</u>
		16
<b>THIRD SEMESTER</b>		
CS	242 Intermediate Web Design	3
CS	214 Introduction to Visual Basic.Net	3
CS	230 Data Base Management Systems	3
COMM	285 Web Design and Digital Media	3
ART	213 Graphics Design	3
*	Social Science Elective	<u>3</u>
		18
<b>FOURTH SEMESTER</b>		
CS	244 Advanced Web Design	3
CS	266 Introduction to JAVA <b>OR</b>	3
CS	248 ASP.Net	
CS	210 Fundamentals of Operating Systems	3
ITEC	269 Project Management	3
*	Gen Ed - Science Requirement	<u>3-4</u>
		15-16
Total credit hours required		64-65