

**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 (64-65 credit hours required for graduation)

FIRST SEMESTER

COLL 101	College 101	3
ENGL 101	English Composition I OR	
ENG 110	English Composition I	3
ITEC 101	Prin of Information Systems	3
ART 101	Introduction to Art	3
MATH 101	College Algebra	<u>3</u>
	Total Credits	15

THIRD SEMESTER

CS 242	Intermediate Web Design	3
CS 214	Introduction to Visual Basic.Net	3
CS 230	Data Base Management Systems	3
COMM285	Web Design and Digital Media	3
ART 213	Graphic Design	3
Elective	Social Science Elective	<u>3</u>
	Total Credits	18

SECOND SEMESTER

ART 217	Computer Graphics	3
ITEC 183	Network +	4
CS 109	Foundations for Programming	3
CS 142	Introduction to Web Design	3
ENGL 102	English Composition II OR	
ENGL 112	Technical Writing	<u>3</u>
	Total Credits	16

FOURTH SEMESTER

CS 244	Advanced Web Design	3
CS 266	Introduction to JAVA OR	
CS 248	ASP.Net	3
CS 210	Fund of Operating Systems	3
ITEC 269	Project Management	3
GED	Gen Ed Science Requirement	<u>3-4</u>
	Total Credits	15-16

For More Information, Contact:
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