

1. The AAS degree provides career skills to enable students to enter the job market after graduation, retrain in a new career, or upgrade employment skills. Occupational courses are designed to meet these needs instead of transferring to four-year institutions; however, many four-year institutions accept some of these courses. Check with your college of transfer intent for more info.
2. Certificate programs offered in the occupational area are generally shorter in length. Students may wish to complete a Certificate first, and apply those same courses to the requirements for the AAS degree.
3. You must apply for graduation on the website or at Enrollment Services prior to your final semester.

This area of emphasis is designed to prepare the student for an entry-level position in Internet or Web development.

**General Education Requirements – 15 credits**

ACC 121 Principles of Accounting I	4 cr.
CIS 110 Introduction to the PC	3 cr.
CIS 115 Intro to Computer Info Systems	1 cr.
BUS 217 Business Communication & Report Writing	3 cr.
MAT 121 College Algebra	4 cr.

**Degree Requirements – 12 credits**

CIS 128 Windows Complete	3 cr.
CIS 268 Systems Analysis and Design I	3 cr.
CNG 101 Introduction to Networking	3 cr.
CSC 116 Logic & Program Design	3 cr.

**Emphasis Requirements – 25 credits**

CIS 118 Introduction to PC Applications	3 cr.
CIS 161 Presentation Graphics I	1 cr.
CIS 145 Complete PC Database: MS Access	3 cr.
CSC 154 Visual Basic.NET Program	3 cr.
CSC 157 Advanced Visual Basic.NET Program	3 cr.
CWB 110 Complete Web Authoring (HTML)	3 cr.
CWB 130 Complete Web Editing Tools (Dreamweaver)	3 cr.
CWB 205 Complete Web Scripting (Javascript)	3 cr.
CWB 245 Complete Web Animation (Flash)	3 cr.

**Emphasis Electives – 9 credits**

CIS 220 Fundamentals of Unix	3 cr.
CNG 130 PC Technology (Basic Hardware)	3 cr.
CWB 162 Intro to Image Editing (Photoshop)	3 cr.

**AAS COMPUTER INFORMATION SYSTEMS, Web Development Emphasis, Total 61 credits**

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**Recommended Progression - 1<sup>st</sup> semester**

CIS128 PC Windows Complete	3 cr.
ACC 121 Principles of Accounting I	4 cr.
BUS 217 Business Communication and Report Writing	3 cr.
CIS 118 Intro to PC Applications	3 cr.
CIS 161 Presentation Graphics I	1 cr.
CWB 110 Complete Web Authoring (HTML)	3 cr.

**Recommended Progression - 2<sup>nd</sup> semester:**

CIS 110 Introduction to the PC	3 cr.
CIS 115 Intro to Computer Info Systems	1 cr.
MAT 121 College Algebra	4 cr.
CIS 145 Complete PC Database: MS Access	3 cr.
CSC 116 Logic & Program Design	3 cr.

**Recommended Progression - 3<sup>rd</sup> semester**

CNG101 Introduction to Networking	3 cr.
CSC 154 Visual Basic.NET Program	3 cr.
CWB 130 Complete Web Editing Tools (Dreamweaver)	3 cr.
CWB 205 Complete Web Scripting (Javascript)	3 cr.
CWB245 Complete Web Animation Flash	3 cr.

**Recommended Progression - 4<sup>th</sup> semester**

CIS268 Systems Analysis and Design I	3 cr.
CSC 157 Advanced Visual Basic.NET Program	3 cr.
Elective	
Elective	
Elective	