

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.

The objective of this degree is to prepare the student with the skills necessary for an entry-level programming position.

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 and 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 – 16 credits

	CSC 154 Intro to MS Visual Basic.Net	3 cr.
	CSC 157 Advanced Visual Basic.Net Programming	4 cr.
	CSC 230 C Language Programming	3 cr.
	CIS 220 Fundamentals of Unix	3 cr.
	CIS 232 Advanced Unix: Unix Shell Programming	3 cr.

Emphasis Electives—Choose a minimum of 17 credits

	CSC 160 Computer Science I: C++	4 cr.
	CSC 161 Computer Science II: C++	4 cr.
	CIS 222 Unix (Linux) System Administrator	3 cr.
	CSC 225 Computer Architecture and Assembly Language	4 cr.
	CSC 231 Advanced C Language Programming	3 cr.
	CSC 240 Java Programming	3 cr.
	CSC 241 Advanced Java Programming	3 cr.
	CSC 236 C# Programming	4 cr.
	CSC 237 Advanced C# Programming	4 cr.

**AAS COMPUTER INFORMATION SYSTEMS,
Programming Emphasis, Total 60 credits**

Recommended Progression - 1st semester

	CIS 128 PC Windows Complete	3 cr.
	ACC 121 Principles of Accounting I	4 cr.
	BUS 217 Business Communication and Report Writing	3 cr.
	CSC 116 Logic & Program Design	3 cr.

Recommended Progression - 2nd semester:

	CIS 110 Introduction to the PC	3 cr.
	CIS 115 Intro to Computer Info Systems	1 cr.
	MAT 121 College Algebra	4 cr.
	CSC 154 Intro to MS Visual Basic.Net	3 cr.
	CIS 220 Fundamentals of Unix	3 cr.

Recommended Progression - 3rd semester

	CNG101 Introduction to Networking	3 cr.
	CSC 157 Advanced Visual Basic.Net Programming	4 cr.
	CSC 230 C Language Programming	3 cr.
	CIS 232 Advanced Unix: Unix Shell Programming	3 cr.
	Elective	

Recommended Progression - 4th semester

	CIS268 Systems Analysis and Design I	3 cr.
	Elective	
	Elective	
	Elective	
	Elective	
	Elective	