ASSOCIATE OF APPLIED SCIENCE, COMPUTER INFORMATION SYSTEMS, 2008-09
Industry/Engineering Emphasis

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.**

General Education Requirements–17 credits

	ENG 121 English Composition I	3 cr.
	ENG122 English Composition II	3 cr.
	CIS 118 Intro to PC Application CIS 161 Presentation Graphics	3 cr. 1 cr.
	HIS101 History of Western Civilization I	3 cr.
	MAT 121 College Algebra	4 cr.

Degree Requirements–3 credits

	MAR 240 International Marketing	3 cr.

Emphasis Requirements - 21 credits

	CIS 232 Advanced Unix: Unix Shell Programming	3 cr.
	CIS 268 Systems Analysis and Design I	3 cr.
	CIS 244 SQL PL/SQL	3 cr.
	CNG 132 Principles of Information Security	3 cr.
	CSC 230 C Programming Language	3 cr.
	CSC 231 Advanced C Programming Lang	3 cr.
	CSC 241 Advanced Java Programming	3 cr.

Emphasis Electives – 21 credits

	CIS 220 Fundamentals of Unix	3 cr.
	CIS 222 Unix (Linux) System Administrator	3 cr.
	CNG 101 Introduction to Networking	3 cr.
	CNG 131 Network Security Fundamentals	3 cr.
	CNG 160 Intro to Telecommunication I	3 cr.
	CSC 116 Logic & Program Design	3 cr.
	CSC 240 Java Programming	3 cr.

AAS COMPUTER INFORMATION SYSTEMS,
CIS Emphasis, Total 62 credits