Degree Pathway – A.S.
Computer Information Technology [2012] – 2 Year Plan

The following is a recommended sequence of courses for completing this program. Developmental courses and prerequisite courses may not all be listed on the pathway below. Developmental courses and prerequisite course requirements, credit load and/or course availability may affect a student's individual progress. The pathway below is specifically intended for full-time students who begin their course work with the Fall semester. Students should always consult their online degree planner for the catalog year that they entered the college and meet with their program manager for advising each semester to better understand typical course availability and individual program planning as this plan is subject to change.

Required Courses and Recommended Sequence

Semester One - Fall

ENC 1101 Written Communication I	3 credits
MAC 1105 College Algebra *(recommended)* *Gen Ed Area II Mathematics (excluding MGF 1106 and MGF 1107)*	3 credits
CGS 1000 Computer Information Systems	3 credits
CTS 1150C Microcomputer Hardware and Maintenance	3 credits
Gen Ed Area IV Humanities	3 credits
Total Credit Hours	**15 credits**

Semester Two - Spring

ENC 2210 Technical Communications *or* GEB 1011 Introduction to Business	3 credits
CET 1600 Networking Fundamentals	3 credits
Gen Ed Area III Social Science	3 credits
CGS 1570 Integrated Business Apps Software	3 credits
COP 2510 Programming Concepts	3 credits
Total Credit Hours	**15 credits**

Semester Three - Fall

CTS 2390 Installing and Configuring Windows Server	3 credits
COP 2842 Developing Websites Using PHP/MYSQL *or* CTS 2321 Linux System Administration	3 credits
CGS 1543 Database Design and Implementation	3 credits
CGS 2820C Web Page Development	3 credits
AST 1002 Descriptive Astronomy *or* BSC 1005C Diversity of Life *or* CHM 1020C The Chemistry of Everyday Life *or* ESC 1000C Earth and Space Science *or* EVR 1001 Introduction to Environmental Science *Gen Ed Area V Natural Science (one from above is recommended)*	3 credits
Total Credit Hours	**15 credits**

Semester Four - Spring

CIS 1355 Security Engineering	3 credits
Elective	3 credits

Any CAP, CET, CGS, CIS, COP, CTS, OTS course *or* GRA 1100C Introduction to Computer Graphics	
CIS 2931 Current Issues in Computing *or* CGS 1949 Internship in Computer Science	3 credits
CIS 2321 Introduction to Systems Analysis and Design	3 credits
COP 2170 Visual Basic Programming	3 credits
Total Credit Hours	**15 credits**
Total Degree Credit Hours	**60 Credits**