

Computer Science - Computer Systems Support Emphasis#

Associate in Applied Science

Minimum of 61 Credits

Because of the increasing use of computers in all fields, support specialists play an important role in the daily operations of many businesses. Students will learn the skills and techniques that are used to support computer hardware and software. Included in their studies are computer theory, hardware maintenance, software installation and support, networking technologies and the Internet. The student will also learn communication and documentation skills vital to the professional service and support position. Specialists must be reliable, systematic and detail-oriented. They should be organized and able to communicate on a technical and non-technical level. They should expect to continually learn new skills to keep pace with the rapidly changing industry. The Computer Science Program provides students with the background needed to pursue a career with major retailers, manufacturers, government agencies at all levels, financial institutions, colleges and universities, service organizations and others.

Course ID	Course Name	Credits	Type	Prerequisites
Suggested Freshman 1st Semester				
SCL 1001	SUCCESS IN COLLEGE AND LIFE	1	LIFE SKILLS	NONE
CS 1103	(C)(1) INTRODUCTION TO COMPUTERS AND APPLICATIONS	3	GEN ED	(R)
CS 1153	(C) INTRODUCTION TO COMPUTING TECHNOLOGIES	3	MAJOR	(R) (M)
ENGL 1113	ENGLISH COMPOSITION I	3	GEN ED	(R) (W), ADEQUATE READING AND WRITING ASSESSMENT SCORES OR LS 0033 COLLEGE WRITING II, EITHER TAKEN WITHIN THE LAST YEAR, WITH STRONG ENCOURAGEMENT FOR IMMEDIATE CONTINUATION.
HIST 1483	U.S. HISTORY TO THE CIVIL WAR —OR—		GEN ED	(R) (W)
HIST 1493	U.S. HISTORY SINCE THE CIVIL WAR	3	GEN ED	(R) (W)
MATH 1503	CONTEMPORARY MATHEMATICS	3	GEN ED	(R) (W), MATH 0123 OR ADEQUATE MATH PLACEMENT TEST SCORE, EITHER WITHIN THE LAST YEAR.
Freshman 2nd Semester				
CS 1353	(C)(2)(3) INTRODUCTION TO OPERATING SYSTEMS AND HARDWARE	3	MAJOR	(R) (W) (M), CS 1103
CS 1333	(C) DATABASE MANAGEMENT APPLICATIONS	3	MAJOR	(R)
ART 1363	(C) MULTIMEDIA	3	MAJOR	(R) (W) (M), CS 1103 OR BY EVALUATION
CS 2713	(C) PRINCIPLES OF INFORMATION SECURITY	3	MAJOR	(R) (W) (M)
ENGL 1213	ENGLISH COMPOSITION II —OR—		GEN ED	(R) (W), ENGL 1113 ENGLISH COMPOSITION I TAKEN WITHIN THE LAST YEAR, WITH STRONG ENCOURAGEMENT FOR IMMEDIATE CONTINUATION.
ENGL 1233	REPORT WRITING —OR—		GEN ED	(R) (W), ENGL 1113 ENGLISH COMPOSITION I
COM 1123	INTERPERSONAL COMMUNICATIONS —OR—		GEN ED	(R) (W)
COM 2213	INTRO TO PUBLIC SPEAKING	3	GEN ED	(R)
Sophomore 1st Semester				
CS 2303	(C)(3)(4) NETWORKING TECHNOLOGIES	3	MAJOR	(R), CS 1353 OR EVALUATION BY INSTRUCTOR
CS 1413	(C) IT TECHNICIAN	3	MAJOR	(R) (W) (M), CS 1103
POLSC 1113	AMERICAN FEDERAL GOVERNMENT	3	GEN ED	(R) (W)
CS	*(C) COMPUTER SCIENCE ELECTIVE	6	MAJOR	
Sophomore 2nd Semester				
CS 2153	(C)(4) SUPPORTING OPERATING SYSTEMS	3	MAJOR	(R), CS 1353 OR EVALUATION BY INSTRUCTOR
CS 2503	(C)(4) NETWORK ADMINISTRATION	3	MAJOR	(R) (W) (M), CS 1353 OR EVALUATION BY INSTRUCTOR
CS 2763	(C) NETWORK SECURITY	3	MAJOR	(R) (W) (M), CS 2713 AND CS 2303 OR CS 2503
CS 2403	(C) COMPUTER SUPPORT SERVICES	3	MAJOR	(R), ENGL 1113 AND COMPLETION OF 9 HOURS OF COMPUTER SCIENCE OR EVALUATION BY INSTRUCTOR
CS	*(C) COMPUTER SCIENCE ELECTIVE	3	MAJOR	

Major Courses: (42 credit hours) Computer Science: (C)CS 1153; (C)CS 1333; (C)(2)(3)CS 1353; (C)CS 1363; (C)(4)CS 2153; (C)CS 2193; (C)(3)(4)CS 2303; (C)CS 2403; (C)(4)CS 2503; (C)CS 2713; (C)CS 2763 *(C) Nine credit hours of Computer Science electives.

General Education Courses: (18 credit hours) English: ENGL 1113; Mathematics: MATH 1503; History: HIST 1483 or HIST 1493; Political Science: POLSC 1113; Physical Science: PHYS 1014; Communications: ENGL 1213 or ENGL 1233 or COM 1123 or COM 2213.; CS 1103

Life Skills Courses: (1 credit hour) Life Skills: SCL 1001

Support Courses: None

Notes: This technical/occupational program is designed to prepare students to enter the job force following completion. See Technical/Occupational Programs in the general information section of the catalog.

Cooperative agreements have been established with Francis Tuttle, Mid America and Moore Norman Technology Centers.

* **Electives:** Six credit hours selected by the student and approved by the faculty advisor from any Computer Science courses.

(C) A grade of "C" or higher must be achieved.

(1) Advanced Standing is available.

(2) A+ Certification Course

(3) Network+ Certification Course

(4) Preparatory course for certification through Microsoft that can apply toward MCDST, MCSA or MCP or/and MCSE.