

# Computer Science - Computer Networking Support

## Certificate of Mastery

*Minimum of 27 Credits*

This certificate program allows an individual to work toward an attainable goal of a Network Technician. For students who desire additional skills, it is the 2nd phase of a 3-tiered program that will lead directly to an Associate in Applied Science: Computer Science - Computer Systems Support.

This program addresses a critical shortage in industry employment by providing students the fundamental knowledge of installing and maintaining computer networks. Students who have completed the requirements for a Certificate of Mastery: Computer Science - Computer Networking Support, can add network skills to their credentials and prepare themselves for passing the first three required core exams for becoming MCSA certified through Microsoft.

Course #	Course Name	Credits	Type	Prerequisites
<i>Suggested Freshman 1st Semester</i>				
CS 1103	(C)(1) INTRODUCTION TO COMPUTERS AND APPLICATIONS	3	Major	(R)
CS 1153	(C) INTRODUCTION TO COMPUTING TECHNOLOGIES	3	Major	(R) (M)
CS 2713	(C) PRINCIPLES OF INFORMATION SECURITY	3	Major	(R) (W) (M)
<i>Suggested Freshman 2nd Semester</i>				
CS 1353	(C)(2) INTRODUCTION TO OPERATING SYSTEMS AND HARDWARE	3	Major	(R) (W) (M), CS 1103
CS 1413	(C)(2) IT TECHNICIAN	3	Major	(R) (W) (M), CS 1103
CS 2153	(C)(4) SUPPORTING OPERATING SYSTEMS	3	Major	(R), CS 1353 or Evaluation by Instructor
<i>Suggested Sophomore 1st Semester</i>				
CS 2303	(C)(3)(4) NETWORKING TECHNOLOGIES	3	Major	(R), 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 2503	(C)(4) NETWORK ADMINISTRATION	3	Major	(R) (W) (M), CS 1353 or Evaluation by Instructor

*Major Courses: (27 credit hours) Computer Science: (C)(1) CS 1103; (C)CS 1153; (C)(2) CS 1353; (C)CS 1413; (C)(4)CS 2153; (C)(3)(4)CS 2303; (C)CS 2713; (C)CS 2763; (C)(4)CS 2503*

*Notes: A Certificate of Mastery program is designed to meet the needs of an individual who wants to enter the job market following the completion of the certificate.*

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

*(1) Advanced Standing is available.*

*(2) A+ Certification Preparation Course*

*(3) Network+ Certification Preparation Course*

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