



DABNEY S. LANCASTER
COMMUNITY COLLEGE

Microcomputer Operations

Certificate

Program Code: 207

2020-2021 Catalog

Dr. Worth, Program Head

bworth@dslcc.edu

(540) 863-2833

www.dslcc.edu

Purpose

The Microcomputer Operations Certificate was developed for those who wish to master computer and networking skills required for IT industry certifications.

Admission Requirements

Students who meet the admission requirements to the College are eligible for enrollment into the program. Individuals are expected to be proficient in basic English, mathematics and reading. Appropriate developmental courses are available for those who need to update their skills.

Program Description

Courses related to networking are taught using lecture and hands-on laboratory experiences using industrial equipment. Optional test preparation materials and practice examinations are available and students are strongly encouraged to take advantage of this service. Two courses are general education topics and the remaining twelve courses are program related.

Employment Outlook

With the ever-increasing uses of technology, trained technicians will be in demand. Job outlook for all occupations is about 12 percent, but the employment for those in computer support is expected to be 17 percent through 2022*. It is predicted that organizations will continue to upgrade computer equipment and software.

**The Occupational Outlook Handbook - Bureau of Labor Statistics*

1000 Dabney Drive
Clifton Forge, Virginia 24422
540.863.2820
SSFrontDesk@dslcc.edu

35 Vista Links Drive
Buena Vista, Virginia 24416
540.261.1211
RRCFrontDesk@dslcc.edu

| Course Number | Course Name | Cr. | Options | Semester | Grade |
|------------------------|--|-----|---------|----------|-------|
| Fall Semester | | | | | |
| ENG 111 | College Composition I Prerequisite: Readiness to enroll in ENG 111 | 3 | | All | |
| ITN 221 | PC Hardware and OS Architecture | 4 | | F | |
| ITN 154 | Networking Fundamentals--CISCO | 4 | | F | |
| ITE 115 | Introduction To Computer Applications and Concepts | 3 | | All | |
| ITN 110 | Client Operating Systems | 4 | | F | |
| Spring Semester | | | | | |
| ITN 101 | Introduction to Network Concepts | 3 | | SP | |
| PSY 200 | Principles of Psychology Prerequisite: Readiness to enroll in ENG 111 | 3 | Yes | All | |
| ITN 106 | Microcomputer Operating Systems | 3 | | SP | |
| ITN 155 | Introductory Routing—CISCO Prerequisite: ITN 154 | 4 | | SP | |
| Fall Semester | | | | | |
| Year Two | | | | | |
| ITN 111 | Server Administration Prerequisite: ITN 101, ITE 115 | 4 | | F | |
| ITN 156 | Basic Switching and Routing --CISCO Prerequisite: ITN 155 | 4 | | F | |
| Spring Semester | | | | | |
| Year Two | | | | | |
| ITN 260 | Networking Security Basics | 3 | | SP | |
| ITN 157 | WAN Technologies—CISCO Prerequisite: ITN 156 | 4 | | SP | |

Credit hours for certificate: 45

TRANSFER OPTIONS

Agreements exist between Dabney S. Lancaster Community College and various four-year colleges and universities. Contact Student Services for information about further study after graduation from DSLCC.

DISCLAIMERS

Every effort is made to ensure accuracy, but the College reserves the right to make edits with respect to course offerings, programs and requirements contained in this publication. This information is provided for the convenience of the reader and DSLCC disclaims any liability.

Please note that not all courses are offered at all locations or during all sessions. Check class sites and times when registering. Most programs of study begin in the fall semester. Please note that while new students are welcome to enroll in any session, those who enter in spring or summer will likely find that completion of requirements may take longer.