

A.A.S. in Computer Information Technology to B.S. in Technology Management

The following are requirements for the A.A.S. in Computer Information Technology with a concentration in Cyber Defense, Networking, or Programming at VSCC and the equivalent courses which will be accepted for transfer toward the B. S. in Technology Management degree requirements at Lipscomb University. A grade of C or higher is required for all area of emphasis courses.

General Education Requirements (15)

The general education requirements listed below apply to all A.A.S. concentrations in Computer Information Technology: Cyber Defense, Networking, and Programming.

VSCC Course	Hrs	Equivalency*	Hrs
COMM 2025 Fundamentals of Communication OR COMM 2045 Public Speaking	3	CO 1003 Fundamentals of Communication OR Transfer Communication Course	3
ENGL 1010 English Composition I	3	EN 1113 Introduction to University Writing	3
Any Humanities or Fine Arts Course	3	Transfer Elective	3
MATH 1010 Math for General Studies OR MATH 1530 Introductory Statistics	3	Math Transfer Course or MA 2003 Introductory Statistics	3
Any Social/Behavioral Science	3	Transfer Social Science	3

Major Core Course Requirements (18)

The major requirements listed below apply to all A.A.S. concentrations in Computer Information Technology: Cyber Defense, Networking, and Programming.

VSCC Course	Hrs	Equivalency*	Hrs
CITC 1300 Beginning HTML and CSS	3	IT 2223 Web Applications Development	3
CITC 1301 Introduction to Programming and Logic	3	CS 1122 Intro to Computer Science	3
CITC 1302 Introduction to Networking	3	IT 3313 Networking Principles	3
CITC 1303 Database Concepts	3	CS 2243 Database Management Systems	3
CITC 2190 Capstone Course In Computer Information	1	Transfer Elective	1

Concentration Requirements (33)

Requirements vary by concentration as outlined below.

Cyber Defense Concentration Requirements (33)

VSCC Course	Hrs	Equivalency*	Hrs
CITC 1320 CompTIA A+	3	Transfer Elective	3
CITC 1332 Unix/Linux Operating System	3	Transfer Elective	3
CITC 1351 Principles of Information Assurance	3	Transfer Elective	3
CITC 2320 Windows Server I	3	Transfer Elective	3
CITC 2323 Windows Server II	3	Transfer Elective	3
CITC 2326 Network Security	3	Transfer Elective	3
CITC 2339 Windows Server III	3	Transfer Elective	3
CITC 2352 Digital Forensics	3	Transfer Elective	3

CITC 2356 Penetration Testing and Network Defense	3	Transfer Elective	3
CITC 2367 Cloud Essentials	3	Transfer Elective	3
INFS 1010 Computer Applications	3	IT 2043 Information Systems Appl	3

Networking Concentration Requirements (33)

VSCC Course	Hrs	Equivalency*	Hrs
CITC 1320 CompTIA A+	3	Transfer Elective	3
CITC 1323 CCNA I	3	Transfer Elective	3
CITC 1324 CCNA II	3	Transfer Elective	3
CITC 1332 Unix/Linux Operating System	3	Transfer Elective	3
CITC 2320 Windows Server I	3	Transfer Elective	3
CITC 2321 CCNA III	3	Transfer Elective	3
CITC 2323 Windows Server II	3	Transfer Elective	3
CITC 2326 Network Security	3	Transfer Elective	3
CITC 2339 Windows Server III	3	Transfer Elective	3
CITC 2367 Cloud Essentials	3	Transfer Elective	3
INFS 1010 Computer Applications	3	IT 2043 Information Systems Appl	3

Programming Concentration Requirements (33)

VSCC Course	Hrs	Equivalency*	Hrs
CITC 1310 Programming I	3	CS 1213 Intro to Programming	3
CITC 1311 Programming II	3	Transfer Elective	3
CITC 1320 CompTIA A+	3	Transfer Elective	3
CITC 1334 Project Management I	3	Transfer Elective	3
CITC 2312 .NET Web-Based Client Development	3	Transfer Elective	3
CITC 2340 Advance Database Concepts & Programming	3	Transfer Elective	3
CITC 2367 Cloud Essentials	3	Transfer Elective	3
CITC 2376 Mobile Application Development	3	Transfer Elective	3
CITC 2391 Special Topics in Computer Information Technology	3	Transfer Elective	3
INFS 1010 Computer Applications	3	IT 2043 Information Systems Appl	3
WEBT 2300 Client-Side Programming (JavaScript)	3	Transfer Elective	3

Total VSCC Credit Hours: 61

Additional coursework must be completed in order to earn a B.S. in Technology Management from Lipscomb University. See Lipscomb's catalog for details, available at <https://www.lipscomb.edu/online/admissions>.