



A.A.S. Cybersecurity Specialist > B.S. Information Technology

The Information Technology program is grounded in the liberal arts tradition, balance theory and practice, and focus on the problem-solving skills necessary for life-long learning in a field characterized by rapid change in technology. We succeed in our mission by preparing our students through classroom work and appropriate external internships to secure fulfilling careers in the field of their choosing.

The world has been in an era of rapid technological advancement. The Internet, World Wide Web, and Mobile Computing have increasingly become critically important in corporate strategies, people’s social lives and personal development. We recognize this by integrating the latest technologies into the curricula. The curricula are designed to emphasize problem solving, multiple programming paradigms, and higher order thought processes that will always be needed by corporate America under any business models.

Information Technology CORE COURSES with transfer equivalencies:

Carroll University	Waukesha County Technical College
CSC110 Problem Solving through Programming	WAIVED
CSC220 Information Systems	* 107-118 Information Systems Design OR * 107-119 System Analysis Agile Methods
CSC240 Computer Organization and Arch	
CSC303 Network Protocols	150-117 Intro to Cisco Networks OR 150-118 Scaling, Routing & Wireless OR 150-175 Cisco1-Intro to Networks OR 150-176 Cisco2-Router/Switch Essentials OR 150-178 Cisco1-Intro to Networks OR 150-179 Cisco2-Router/Switch Essentials OR 150-117 Introduction to Cisco Networks OR 150-118 Switching, Routing & Wireless OR * 150-190 Network Fundamentals
CSC307 Operating Systems – Web Master Fund	150-137 MS Server 2016 AND 150-188 Linux Essentials
CSC319 World Wide Web Programming OR	* 152-105 Intro to Web Dev AND * 152-109 .Net Web Dev
CSC353 Mobile Application Development	* 152-142 Mobile Application Development OR * 152-103 Mobile Application Development
CSC409 Information Technology Mgt.	* 107-029 Project Management for IT
CSC480 Internship – CSC majors	

Computer Science SUPPORT COURSES with transfer equivalencies:

BUS101 Introduction to Business	107-103 IT Business Strategies
BUS302 Principles of Management	* 196-191 Principles of Management
CMP112 Computational Thinking I	* 804-189 Introductory Statistics

COM101 Principles of Communication	801-196 Oral/Interpersonal Communication OR 801-198 Speech
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Pioneer Core - General Education Requirements

All students must fulfill the Carroll University Pioneer Core requirements including the Cross-Cultural and Distribution components to receive their degree.

Cross-Cultural Components with transfer equivalencies:

CCS199 Cross Cultural Seminar	
ENG170 Writing Seminar	801-136 English Composition I
CCD Cross Cultural Development	
CCS300 Cross Cultural Experience	
CCS400 Global Perspectives Colloquium	

* Indicates a course that can be taken at WCTC and utilized as an equivalency at Carroll University, but is not currently a course included in the WCTC Cybersecurity Specialist program.

Distribution Components

The Distribution Components includes four introductory level General Education 1 (G1) courses and one higher-level General Education 2 (GE2) course, outside of their major. A GE2 course must be from the same discipline as one of the GE1 courses previously taken (e.g., a GE1 English course and a GE2 English course) or in a pre-approved cognate field. Students will complete coursework

Fine Arts | Humanities | Philosophy/Ethics/Religion | Social Sciences | Natural Sciences

Sample of WCTC courses that will fulfill the Distribution Components: (GE1, GE2)

Information Technology majors are waived from the Natural Sciences (N1, N2) areas.

	Fine Arts	Humanities	Social Sciences	Natural Sciences	Phil/Eth/Rel
Choose one GE1 course:	F1 201-114 203-111	H1	S1 801-198 809-143 809-196	N1 WAIVED	P1 809-166
Choose one GE2 course from each category:	F2	H2	S2	N2 WAIVED	P2

Graduation Requirements

- **Mathematical Literacy** Information Technology majors complete the following:

CMP112 Computational Thinking I and	* 804-189 Introductory Statistics
CMP114 Computational Thinking II	

- **University Convocation Program** – attendance at 2 events per year for full-time students.
- Students must earn a minimum of 128 credits, with the last 32 credits completed at Carroll.
- Students must earn a minimum 2.0 cumulative grade point average, a minimum 2.0 Carroll University grade point average and a minimum 2.0 grade point average within their major.
- One-fourth of the major requirements must be completed at Carroll University.
- A total of 64 credits may transfer from two-year institutions.
- An unlimited number of credits are eligible for transfer from four-year institutions.

- Students with the Associate of Applied Science degree in Cybersecurity Specialist generally transfer with junior standing.

Due to changes in course content at Waukesha County Technical College and Carroll University, the equivalencies are subject to change. For more information, contact the Carroll University Office of Admission 262 524.7220 or check the website at www.carrollu.edu.