

Cecil College & Towson University

Bachelor of Science (B.S.) Information Technology (2024-2029)

Cecil College is a community college located in North East Maryland and Towson University is

6. Cecil College students transferring to Towson University will be given every

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Program Requirement			
Program Requirement	CSC 101 Logic		
Program Requirement	CSC 109 Introduction to Programming		
Program Requirement	CSC 110 Introduction to Networking	3	Networks
Program Requirement	CSC 182 Web Application Development	3	IIEC 231 Fundamental Technologies
Program Requirement	CSC 203 Seminar in Information Systems	1	COSC T1L Computer Science Lower Level Elective

This section outlines the degree requirements for students transferring into the BS. in Information Technology. Refer to section 4 for additional major requirements, recommendations, and university-wide degree requirements.

CORE CURRICULUM REQUIREMENTS: 18-19 UNITS

Core 8 Biological and Physical Sciences (3 to 4 units)

Core 9 Advanced Writing Seminar (3 units) (this will be satisfied by ENGL 317 Writing for Business and Industry in the major)

Core 10 Metropolitan Perspectives (3 units)

Core 11 The United States as a Nation (3 units)

Core 12 Global Perspectives (3 units)

Core 13 Diversity and Difference (3 units)

INFORMATION TECHNOLOGY REQUIRED COURSES: 24 UNITS

CS 377 Introduction to Cybersecurity (3 units)

CS 435 Human Computer Interaction (3 units)

IIEC 315 Data and Information Management (3 units)

IIEC 325 System Administration and Maintenance (3 units)

IIEC 345 Scripting Languages (3 units)

IIEC 411 System Architecture and Integration (3 units)

ENGL 317 Writing for Business and Industry (3 units) (this is counted above in Core Curriculum requirements)

MATH 263 Discrete Mathematics (3 units)

INFORMATION TECHNOLOGY ELECTIVE OR TRACK COURSEWORK: 15-19 UNITS

Select one of the following major elective or track coursework options. Note some courses may require additional prerequisites that can potentially cause students to complete over 20 credits for the degree. Refer to TU's catalog for specific track coursework

- § Elective Coursework: 15-19 Units. Students who complete the equivalent of COSC 237 Introduction to Computer Science II at Cecil should choose five courses (all must be upper-level courses numbered 300 or higher) from the list provided in the TU catalog**
- § Network Security Track: 18 Units**
- § Data Management and Analytics Track: 18 Units**

PROGRAM ELECTIVES: 16 UNITS

The total number of elective units required will be determined by the major elective or track coursework option selected. Electives can be additional major electives or courses for personal interests.

ADDITIONAL REQUIREMENTS FOR INFORMATION TECHNOLOGY

- š Students enrolling in IIEC 397 Information Technology Internship must have a minimum GPA of 2.75

BACHELORS DEGREE REQUIREMENTS FOR ALL STUDENTS

- š A grade of C (2.0 GPA) or higher is required in all major courses and prerequisites.
- š A cumulative GPA of 2.0 is required
- š Certain majors may have additional requirements for graduation. Students should follow the specific requirements outlined in the catalog for the major.

Total Units Required for TU B.S. in Information Technology	120 UNITS
Cecil College A.A.S. Degree in Computer Science – Programming	60
Completion of Core Curriculum at TU	18 19*
Information Technology Major Required Coursework at TU	21*
Information Technology Major Elective/Track Coursework at TU	15 19
General Electives Taken at TU	16

**Students will fulfill the three-unit Core Curriculum requirement for Core 9 by t' S t' S9*