

# **Program Transfer Agreement**

## **Cecil College & Towson University**

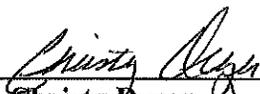
### **Bachelor of Science (B.S.) Information Technology (2024-2029)**

Cecil College, a community college located in North East, Maryland, and Towson University, a four-year public institution located in Towson, Maryland, agree to follow the articulation of courses outlined in the articulation (course equivalency) document, for completion of the requirements for Towson University's Bachelor of Science degree in Information Technology (Attachment A), which is attached to, and incorporated by reference into, this Program Transfer Agreement. The following principles guide the operation of this Program Transfer Agreement, with the requirements for transfer in specific curricula set forth in Attachment A.

1. Students who have completed the Associate of Applied Science degree in Computer Science may transfer into Towson University's Bachelor of Science in Information Technology program with junior standing provided that the student has completed all courses identified in Attachment A with a cumulative GPA of 2.00 or higher. Courses completed at Cecil College with 300 or 400 level Towson University course equivalencies will transfer as lower-level credit but will satisfy course content as indicated.
2. Only Cecil College courses in which a grade of C (2.00 GPA) or better is earned will apply toward the major at Towson University.
3. The number of transferable Cecil College credits specific to the Bachelor of Science in Information Technology program is reflected in Attachment A. The standard credit weighting for Cecil College's Associate of Applied Science degree in Computer Science is 60 credits. Towson University will accept a maximum of 64 transfer credits from Cecil College toward fulfilling the 120 credit hours required for baccalaureate completion.
4. In accordance with the Maryland Higher Education Commission's credit transfer policy pertaining to general education requirements, Towson University will accept the completion of Cecil College's general education requirements and students will be required to complete additional courses at Towson University to satisfy the remaining Core Curriculum requirements as shown in Attachment A.
5. Towson University recognizes college-level experiential learning gained through previous work, military and/or volunteer service or life experience. Credit for prior learning may also be established through course challenge or standardized credit by examination.

6. Cecil College students transferring to Towson University will be given every consideration for financial aid and will be eligible to compete for academic scholarships upon entrance to Towson University subject to stated scholarship deadlines.
7. Both Cecil College and Towson University agree to work together to facilitate the transfer of students from Cecil College to Towson University to work cooperatively to ensure the high quality of the programs at the respective institutions. The transfer of students will be in accordance with policies and procedures of both institutions, as they may be amended from time to time.
8. This Program Transfer Agreement will be in effect initially for five years, beginning with the commencement of the *Spring 2024 semester* and ending after the *Spring 2029 semester*, with a review every year by both parties. Any revisions the parties deem necessary must be evidenced in writing and signed by the authorized officials of each institution. The Program Transfer Agreement may be terminated by either party for due cause and after adequate notice of not less than six months is given to the other party.
9. Towson University will provide information on the academic progress of Cecil College transfer students enrolled under the terms of this Program Transfer Agreement upon request by Cecil College and in compliance with the provisions of the Family Educational Rights and Privacy Act (FERPA) and applicable Towson University policies and procedures.
10. This Program Transfer Agreement, when signed, constitutes the entire agreement between the parties and supersedes all prior agreements and understandings between the parties respecting the matter hereof.

**CECIL COLLEGE AND TOWSON UNIVERSITY**

  
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**Dr. Christy Dryer**  
Vice President  
Academic Programs

Date: 2/14/2024

  
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**Dr. Melanie Perreault**  
Provost and Executive Vice President for  
Academic and Student Affairs

Date: 2/6/24

## 2+2 Articulation Agreement for Cecil College and Towson University

**Associate's Degree:** A.A.S. in Computer Science - Programming

**Bachelor's Degree:** B.S. in Information Technology

**Effective Term:** Spring 2024

### Section 1: Course Completion Plan for Cecil College

This section outlines the courses to take for the Cecil College (Cecil) general education and program requirements in order to complete both Cecil and Towson University (TU) degrees within a total of 4 years and earn the minimum required 120 units/credits<sup>1</sup>. The following tables do not include any nontransferable or prerequisite coursework outside of the curriculum.

**Table 1: Cecil General Education Courses Applied to TU Core Curriculum**

Cecil Requirement	Cecil Course to Take	Credits	TU Equivalent Course
English Composition	EGL 101 College Composition (E)	3	ENGL 102 Writing for a Liberal Education
Mathematics	MAT 127 Introduction to Statistics (M)	4	MATH 231 Basic Statistics
Arts & Humanities	SPH 141 Public Speaking (H)	3	COMM 131 Public Speaking
Social & Behavioral Sciences	Social Science Elective (SS)	3	Equivalency will vary by course
Biological & Physical Sciences	Science Elective with Lab (S/SL)	4	Equivalency will vary by course
General Education Requirement	CSC 104 Computer Science Fundamentals (I)	3	COSC 111 Information and Technology for Business
General Education Requirement	CSC 110 Ethics in Information Technology (I)	3	COSC TLL Computer Science Lower-Level Elective

**Cecil general education credits: 23**

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<sup>1</sup> Note that Cecil College awards academic “credit” for its courses, whereas Towson University uses the term “unit” in reference to the credit hour weighting assigned to its undergraduate courses. For the purposes of this articulation agreement, the terms “credit” and “unit” are interchangeable.

**Table 2: Cecil Program Requirements and Electives Applied to TU Degree**

Cecil Requirement	Cecil Course to Take	Credits	TU Equivalent Course
Program Requirement	CSC 103 Survey of Operating Systems	3	ITEC 274 Fundamentals of System Management
Program Requirement	CSC 106 Introduction to Programming Logic	3	COSC TLL Computer Science Lower-Level Elective
Program Requirement	CSC 109 Introduction to Programming	3	COSC 175 General Computer Science
Program Requirement	CSC 140 Introduction to Networking	3	ITEC 250 Fundamentals of Computer Networks
Program Requirement	CSC 182 Web Application Development	3	ITEC 231 Fundamentals of Web Technologies
Program Requirement	CSC 203 Seminar in Information Systems	1	COSC TLL Computer Science Lower-Level Elective
Program Requirement & Program Elective	CSC 205 Computer Science I and CSC 218 Computer Science II	7	<ul style="list-style-type: none"> <li>▪ COSC 236 Introduction to Computer Science I</li> <li>▪ COSC 237 Introduction to Computer Science II</li> </ul> If sequence is incomplete, students will receive equivalencies of ITEC 236 Introduction to Computer Science I and COSC TLL Computer Science Lower-Level Elective.
Program Requirement	EGL 211 Technical Writing	3	ENGL TLL English Lower-Level Elective
Program Requirement	VCP 144 Web Design I – Design Fundamentals	3	CIS 211 Fundamentals of Systems and Technology
Program Electives	CSC Computer Science Electives	8	Equivalency will vary by course

- **Cecil program requirements and elective credits applied to the TU degree: 37 credits**
- **Total Cecil credits applied to the TU Core Curriculum to fulfill TU general education requirements: 23 credits (includes courses taken at Cecil to meet general education requirements [see Table 1] and program requirements [see Table 2] for the A.A.S. degree)**
- **Total Cecil credits transferred to TU: 60-64**

While Cecil's A.A.S. degree in Computer Science - Programming is 60 credits, Cecil students may transfer a maximum of 64 credits toward TU's B.S. degree in Information Technology. The application of these additional credits beyond the 60-credit standard will be determined by TU on an individual case-by-case basis. If students do not adhere to the courses outlined above in Tables 1 and 2, they are not guaranteed completion of the bachelor's degree in two years. Refer to section 2 for specific course details and transfer planning information.

## Section 2: Cecil Course Selection & Transfer Details

This section explains any specific course selections made in section 1 and provides transfer planning guidance specific to this degree plan. Students must follow the course selections outlined in this document. If students do not complete any or all of the courses outlined in this agreement, they will be required to complete outstanding requirements at TU.

### GENERAL EDUCATION

Students must take the following courses for their general education requirements. Students must earn a minimum grade of C in the following courses to satisfy TU major requirements.

- **Mathematics:** It is recommended to take **MAT 127 Introduction to Statistics (M)** to satisfy the major requirement of **MATH 231 Basic Statistics** at TU. Students who do not complete MAT 127 at Cecil must complete MATH 231 or ECON 205 at TU. TUNE students may need to take these courses at the main TU campus.
- **Arts and Humanities:** **SPH 141 Public Speaking (H)** to satisfy the major requirement of **COMM 131 Public Speaking**. Students who do not complete SPH 141 at Cecil must complete COMM 131 at TU. TUNE students may need to take this course at the main TU campus.
- **CSC 110 Ethics in Information Technology** will satisfy a Core Curriculum and major requirement at TU. Students will not be required to take **COSC 418 Ethical and Societal Concerns of Computer Science** at TU.

The following information explains the transfer of students' general education courses:

- Students entering into this agreement will need to complete six Core Curriculum requirements at TU: Biological and Physical Sciences (Core 8), Advanced Writing Seminar (Core 9), Metropolitan Perspectives (Core 10), The United States as a Nation (Core 11), Global Perspectives (Core 12), and Diversity and Difference (Core 13). Students not completing the courses listed in Tables 1 and 2 above will be required to complete additional Core Curriculum requirements at TU.

### PROGRAM REQUIREMENTS

Students must take the following courses in order to also satisfy a required course in the major at TU. Students must earn a minimum grade of C in each of the following courses.

- **CSC 182 Web Application Development** to satisfy the major requirement of **ITEC 231 Fundamentals of Web Technologies**.
- **VCP 144 Web Design I – Web Design Fundamentals** to satisfy the major requirement of **CIS 211 Fundamentals of Systems and Technology**.

### Section 3: Degree Requirements to Be Completed at TU

This section outlines the degree requirements for students transferring into the B.S. 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**

CIS 377 Introduction to Cybersecurity (3 units)

CIS 435 Human-Computer Interaction (3 units)

ITEC 315 Data and Information Management (3 units)

ITEC 325 System Administration and Maintenance (3 units)

ITEC 345 Scripting Languages (3 units)

ITEC 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 120 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: 1-6 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.

## Section 4: Additional Requirements & Recommendations for TU Degree Completion

### ADDITIONAL REQUIREMENTS FOR INFORMATION TECHNOLOGY

- Students enrolling in ITEC 397 Information Technology Internship must have a minimum GPA of 2.75.

### BACHELOR'S DEGREE REQUIREMENTS FOR ALL STUDENTS

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

### Degree Completion Summary

<b>Total Units Required for TU B.S. in Information Technology</b>	<b>120 UNITS</b>
<b>Cecil College A.A.S. Degree in Computer Science – Programming</b>	<b>60</b>
<b>Completion of Core Curriculum at TU</b>	<b>18-19*</b>
<b>Information Technology Major Required Coursework at TU</b>	<b>21*</b>
<b>Information Technology Major Elective/Track Coursework at TU</b>	<b>15-19</b>
<b>General Electives Taken at TU</b>	<b>1-6</b>

*\*Students will fulfill the three-unit Core Curriculum requirement for Core 9 by taking ENGL 317 Writing for Business and Industry which is a required course for the Information Technology major but is not counted in the unit total for the major required coursework in the above table. The Information Technology major at TU requires a minimum of 120 units for degree completion.*