

Suggested Transfer Pathway

College of Southern Maryland Computer Science A.S. to
Towson University Computer Science Bachelor's Degree
Total Credits: 63, Catalog Year: 2025-2026



College of Southern Maryland

(Courses may be taken in any order, pending prerequisites)

Year One – First Semester	Credits
ENG-1010 - Composition and Rhetoric *	3
MTH-1200 - Calculus I and Analytic Geometry *	4
COM-1650 - Introduction to Public Speaking *	3
PSY-1010 - General Psychology	3
BIO-1060/1060L - Principles of Biology I & Lab	4
TOTAL	17

Year One – Second Semester	Credits
GEO-1010/GEO-1010L - Physical Geology & Lab	4
SOC-1010 - Introduction to Sociology	3
ENG-1020 - Composition & Literature	3
CSC-1100 - Practical Programming with Python *	3
CSC-2591 - Computer Science I *	4
TOTAL	17

Year Two – First Semester	Credits
CSC-2592 - Computer Science II *	4
CSC-2740 - Data Structures and Algorithms	4
CSC-2750 - Computer Architecture	4
ITS-1055 - Introduction to Computing	3
TOTAL	15

Year Two – Second Semester	Credits
ITS-2090 - Computer Security	3
MTH-1210 - Calculus II *	4
MTH-2220 - Introduction to Linear Algebra *	4
MTH-2500 - Introduction to Discrete Math *	3
TOTAL	14

*Denotes course that must be completed with a grade of C or better

Please see agreement for details.



College of Southern Maryland Contact:
advisor@csmd.edu

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Towson University

Year Three – First Semester	Credits
Core 1 – Towson Seminar	
Core 4 – Creativity & Creative Development	3
Core 12 – Global Perspectives	3
Core 13 – Diversity & Difference	3
TOTAL	9

Year Three – Second Semester	Credits
COSC 336 – Data Structures and Algorithm Analysis *	
COSC 350 – Data Communications and Networking *	
COSC 412 – Software Engineering *	
COSC 418 – Ethical and Societal Concerns of Computer Scientists	
COSC 439 – Operating Systems *	
TOTAL	18

Year Four – First Semester	Credits
COSC 455 – Programming Languages: Designs & Implementations *	3
COSC 457 – Database Management Systems *	3
ENGL 317 – Writing for Business and Industry *	3
MATH 330 – Introduction to Statistical Methods *	4
TOTAL	13

Year Four – Second Semester	Credits
COSC Upper-Level Elective (see listed courses)	12
Electives **	7
TOTAL	19

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** Must consult with a TU Academic Advisor

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