

Suggested Transfer Pathway

College of Southern Maryland Associate of Science in Computer Science to
Bowie State University Bachelor of Science in Artificial Intelligence
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
CSC 1100 Practical Programming with Python	3
ITS 1055 Introduction to Computing	3
BIO 1060 & BIO 1060L Principles of Biology I & Lab	4
TOTAL	17

Year One – Second Semester	Credits
ENG 1020 Composition & Literature	3
MTH 1210 Calculus II	4
CSC 2591 Computer Science I	4
PHY 1110 Fundamentals of Physics I with Lab	4
SOC 1010 Introduction to Sociology	3
TOTAL	18

Year Two – First Semester	Credits
CSC 2592 Computer Science II	4
CSC 2750 Computer Architecture	4
MTH 2500 Introduction to Discrete Math	3
COM 1010 Basic Principles of Speech Communication	3
TOTAL	14

Year Two – Second Semester	Credits
CSC 2740 Data Structures and Algorithms	4
MTH 2220 Introduction to Linear Algebra	4
WFS 1701 Personal Health and Fitness	3
HST 1061 History of African Americans to 1877	3
TOTAL	14

Please see agreement for details.

College of Southern Maryland Contact:
advisor@csmd.edu



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West Virginia University

Year Three – First Semester	Credits
COSC 173 Introduction to AI Concepts and Applications	4
COSC 279 – Mechatronics	4
COSC 328 – Applied Algorithms and Structures	3
COSC 379 – Robotic Operating System	4
TOTAL	15

Year Three – Second Semester	Credits
COSC 381 Cloud Essentials for Developers	3
COSC 473 Artificial Intelligence	3
COSC 474 Machine Learning and Discovery	3
COSC 476 Natural Language Processing	3
COSC 478 Deep Learning for Visual Recognition	3
TOTAL	15

Year Four – First Semester	Credits
COSC 479 Robotics	3
COSC 486 Parallel and Distributed Computing	3
COSC 480 Senior Capstone	3
COSC 495 – Senior Seminar	3
TOTAL	12

Year Four – Second Semester	Credits
COSC 439 Big Data Systems	3
COSC 471 Social Network Analysis	3
COSC 477 – Virtual Reality and its Principles	3
Two electives	8
TOTAL	17

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