

This guide aligns course articulations from a Montgomery College (MC) associate's degree to a UMGC bachelor's degree and additional bachelor's degree requirements for Academic Catalog year 2025-2026. See a community college advisor for associate degree course sequencing. UMGC degree requirements and course articulations may change based on your initial UMGC enrollment term. UMGC offers multi-term registrations in 8-week sessions. In your transfer year, meet with a UMGC advisor to plan your UMGC schedule.

CREDITS	MC AAS IN CLOUD COMPUTING AND NETWORKING TECHNOLOGY	UMGC BS IN CYBERSECURITY TECHNOLOGY Requirements for Bachelor's Degree
3	ENGL 101 <u>or</u> ENGL 101A recom'd elective ^{MM}	WRTG elective (Gen Ed Communications)
3-4	MATH 117 or higher Mathematics Gen Ed req. (not 130, 131)	STAT 200, MATH 106, or higher Gen Ed Mathematics
3	NWIT 101 <u>or</u> CMSC 110 Program elective	CMIT elective or IFSM 201 (Gen Ed Computing)
3	NWIT 105 Program requirement	◆ CMIT 326* (required for the major)
3	NWIT 127 Program requirement	◆ CMIT 202 (required for the major)
3	ENGL 102 <u>or</u> ENGL 103 recom'd English Found. Gen Ed req.	WRTG 112 (Gen Ed Communications; <i>must be completed with C- or better</i>)
4	Natural Sciences Distribution w/ Lab Gen Ed requirement	Gen Ed Biological & Physical Lab Science
3	COMM 108 <u>or</u> COMM 112 Gen Ed requirement	SPCH 100 or SPCH elective (Gen Ed Communications)
3	CMSC 135 <u>or</u> CMSC 140 Program elective	CMSC 105 or CMSC 115 (elective)
3	NWIT 151 recom'd Program elective	◆ CMIT 265 (required for the major)
3	Arts <u>or</u> Humanities Distribution Gen Ed requirement	Gen Ed Arts & Humanities
4	CMSC 253 Program requirement	◆ CMIT 291 (required for the major)
3	NWIT 173 Program requirement	◆ CMIT 320* (required for the major)
3	NWIT 200 Program requirement	CMIT 380* (elective)
3	NWIT 208 <u>or</u> NWIT 209 Program requirement	CMIT elective
3	Behavioral and Social Sciences Distribution Gen Ed req.	Gen Ed Behavioral & Social Science
4	NWIT 204 Program requirement	CMIT elective
3	NWIT 264 Program requirement	CMIT 460* (elective)
3	NWIT <u>or</u> CMSC <u>or</u> DATA <u>or</u> TECH elective	Elective
60-61	Estimated Credits Transferred	Estimated Credits Transferred

REMAINING BACHELOR'S DEGREE REQUIREMENTS (recommended sequence)	CREDITS
LIBS 150 Introduction to Research or any Gen Ed credit (to be fulfilled with 1 Gen Ed credit from MC)	---
PACE 111T Program and Career Exploration in Technology or any PACE 111	3
NUTR 100 Elements of Nutrition or any Gen Ed Biological & Physical Science	3
HIST 125 Technological Transformations or any Gen Ed Arts & Humanities	3
ECON 103 Economics in the Information Age or any Gen Ed Behavioral & Social Science	3
◆ CMIT 321 Ethical Hacking (required for the major)	3UL
Elective	3
◆ CMIT 351 Switching, Routing, and Wireless Essentials (required for the major)	3UL
Elective	3
WRTG 393 Advanced Technical Writing or any upper-level writing (Gen Ed Communications)	3UL
Elective	3
◆ CMIT 421 Threat Management and Vulnerability Assessment or any upper-level CMIT (required for the major)	3UL
Elective	3
◆ CMIT 386 Penetration Testing and Cyber Red Teaming or any upper-level CMIT (required for the major)	3UL
Elective	3
Elective	3
◆ CCJS 321 Digital Forensics in the Criminal Justice System or any upper-level CMIT (required for the major)	3UL
Elective	3
Elective	3
◆ CMIT 495 Cybersecurity Technology Capstone (required for the major)	3UL
Elective	2-3
ESTIMATED CREDITS REMAINING AT UMGC	59-60

NOTES: Minimum of 120 credits, including 30 with University of Maryland Global Campus (UMGC) of which at least 15 must be upper-level, are required for the bachelor's degree with a UMGC grade point average (GPA) of 2.0 (C) or higher / UMGC does not accept grades below C (2.0) in transfer from schools outside the University System of Maryland and Maryland community colleges (except WRTG 112, which must be completed with a grade of C- (1.67) or better from all schools) / Maximum of 70 transfer credits to UMGC from two-year or community colleges and maximum of 90 transfer credits from all sources combined (actual number of transfer credits dependent on meeting all UMGC bachelor's degree requirements) / ◆¹ = Major core, major elective, or capstone: all courses within the major require a grade of C (2.0) or higher, and all majors (except APTC, GEJU, and CJLE, which require only the capstone as UMGC graded coursework) must complete at least half of these as 1) traditional college courses earning a grade and 2) UMGC resident credit / *² = Lower-level course meets content requirement of upper-level course but does not transfer as upper-level / UL³ = Upper-level course (numbered 300-499) / Visit [UMGC Maryland Community College Alliances](#) to learn more!

¹ ◆ Major core, major elective, or capstone

² * Lower-level course meets content requirement of upper-level course but does not transfer as upper-level

³ UL Upper-level course (numbered 300-499)

MONTGOMERY COLLEGE NOTES:

- ⁴^^ = ENGL 101/ENGL 101A, if needed for ENGL 102/ENGL 103, or elective. Please consult an advisor or transfer institution for assistance with course selection.
- For the Natural Sciences Distribution and Arts Distribution requirement, please see the full list of other acceptable General Education courses found under the General Education Program Requirements and Course Lists section of [MC Acceptable General Education Courses](#)

⁴ ^^ ENGL_101/ENGL 101A, if needed for ENGL 102/ENGL 103, or elective.