

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 AA IN COMPUTER SCIENCE & TECHNOLOGIES INFORMATION SCIENCES & SYSTEMS AREA OF CONCENTRATION | UMGC BS IN MANAGEMENT INFORMATION SYSTEMS Requirements for Bachelor's Degree |
|--------------|---|---|
| 3 | ENGL 101 <u>or</u> ENGL 101A recom'd elective ^{^^} | WRTG elective (Gen Ed Communications) |
| 3-4 | MATH 117 <u>or</u> higher Mathematics Gen Ed req (not 130, 131) | STAT 200, MATH 106, or higher Gen Ed Mathematics |
| 3 | CMSC 110 Program requirement | ◆ IFSM 201 (required for the major) |
| 3 | Arts Distribution Gen Ed requirement | Gen Ed Arts & Humanities |
| 3 | Behavioral and Social Sciences Distribution Gen Ed req. ^{^^^} | Gen Ed Behavioral & Social Science |
| 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>) |
| 3 | CMSC 140 Program requirement | CMSC 105 (Gen Ed Computing) |
| 3 | Program elective ⁺⁺ | Elective |
| 3 | Arts Distribution <u>or</u> Humanities Dist. <u>or</u> Health Gen Ed req. | Elective |
| 4 | Natural Sciences w/ Lab Distribution Gen Ed requirement | Gen Ed Biological & Physical Lab Science |
| 3 | CMSC 243 Program requirement | ◆ IFSM 461* (required for the major) |
| 3 | Behavioral and Social Sciences Distribution Gen Ed req. ^{^^^} | Gen Ed Behavioral & Social Science |
| 3 | Humanities Distribution Gen Ed requirement | Gen Ed Arts & Humanities |
| 3 | Program elective ⁺⁺ | Elective |
| 3 | Program elective ⁺⁺ | Elective |
| 3 | COMM 108 <u>or</u> COMM 112 Gen Ed requirement | SPCH 100 or SPCH elective (Gen Ed Communications) |
| 4 | Program elective ⁺⁺ | Elective |
| 4 | Program elective ⁺⁺ | Elective |
| 3 | Natural Sciences Distribution Gen Ed requirement | Gen Ed Biological & Physical Science |
| 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 |
| ◆ IFSM 300 Information Systems in Organizations (required for the major) | 3UL |
| Elective | 3 |
| ◆ FINC 331 Finance for General Managers (required for the major) | 3UL |
| Elective | 3 |
| ◆ IFSM 304 Ethics in Information Technology (required for the major) | 3UL |
| Elective | 3 |
| ◆ CSIA 300 Cybersecurity for Leaders and Managers (required for the major) | 3UL |
| Elective | 3 |
| ◆ IFSM 310 Software and Hardware Infrastructure Concepts (required for the major) | 3UL |
| WRTG 393 Advanced Technical Writing or any upper-level writing (Gen Ed Communications) | 3UL |
| Elective | 3 |
| ◆ DATA 330 Business Intelligence and Data Management (required for the major) | 3UL |
| ◆ IFSM 311 Enterprise Architecture (required for the major) | 3UL |
| Elective | 3 |
| ◆ IFSM 370 Telecommunications in Information Systems (required for the major) | 3UL |
| ◆ IFSM 438 Information Systems Project Management (required for the major) | 3UL |
| Elective | 3 |
| ◆ IFSM 495 Management Information Systems 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, GECU, 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 / ³UL³ = 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.
- ⁵ = Behavioral and Social Science Distribution (BSSD) courses must come from different disciplines.
- ⁶ = List of program electives: CMSC, DATA, NWIT, CMAP; TECH 190, 200-level TECH courses; ACCT 221, ACCT 222, BSAD 101, ECON 201, MATH 165, MATH 150 or MATH 181, MATH 182, MATH 117 or BSAD 210; MGMT 101, MGMT 211, PSYC 100. Four credit courses can be used to satisfy program electives.
- AA and AS programs require one global and cultural perspectives (GCP) General Education course.
- 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.

⁵ = Behavioral and Social Science Distribution (BSSD) courses must come from different disciplines.

⁶ = List of program electives: CMSC, DATA, NWIT, CMAP; TECH 190, 200-level TECH courses; ACCT 221, ACCT 222, BSAD 101, ECON 201, MATH 165, MATH 150 or MATH 181, MATH 182, MATH 117 or BSAD 210; MGMT 101, MGMT 211, PSYC 100. Four credit courses can be used to satisfy program electives.