



ACM ASSOCIATE OF APPLIED SCIENCE IN DATA ANALYTICS

Students transferring from ACM with a conferred Associate of Arts or Associate of Science degree will have the General Education Requirement (Gen Ed) block of courses met at UMGC (A.A.S. degrees not included). See community college advisor for course sequencing.



**UNIVERSITY OF MARYLAND
GLOBAL CAMPUS**

**CATALOG YEAR:
2022-2023**

UMGC BACHELOR OF SCIENCE IN DATA SCIENCE

<http://www.umgc.edu/transfers-and-credits/community-college-alliances/maryland-community-college-alliances.cfm>

Degree requirements may change based on date of initial enrollment at UMGC.

CREDITS	ALLEGANY COLLEGE OF MARYLAND Requirements for Associate's Degree	UNIVERSITY OF MARYLAND GLOBAL CAMPUS Requirements for Bachelor's Degree
3	COMP 101 Gen Ed requirement	IFSM 201 (elective)
3	BUAD 101 Program requirement	BMGT 110 (elective)
3	ENG 101 Gen Ed requirement	WRTG 112 (Gen Ed Communications; <i>must be completed with C- or better</i>)
3	MATH 109 Gen Ed requirement	◆ STAT 200 (required for the major)
3	DATA 101 Program requirement	DATA 200 (Gen Ed Computing; related requirement to the major)
3	MATH 102 Gen Ed Mathematics	MATH 107 (elective; prerequisite to MATH 108)
3	Science Gen Ed elective	Gen Ed Biological & Physical Science
3	DATA 103 Program requirement	DATA elective
3	DATA 201 Program requirement	◆ DATA 320* (required for the major)
3	COMP 241 Program requirement	CMIS 102 (elective)
3	BUAD 216 Program requirement	MRKT 310* (elective)
3	Social and Behavioral Science Gen Ed elective	Gen Ed Behavioral & Social Science
3	DATA 105 Program requirement	DATA elective
3	DATA 206 Program requirement	◆ DATA 300* (required for the major)
3	DATA 210 Program requirement	◆ IFSM 330* (required for the major)
3	SPCH 101 Gen Ed requirement	SPCH 100 (Gen Ed Communications)
3	PHIL 202 Gen Ed requirement	PHIL 140 (Gen Ed Arts & Humanities)
3	ECON 202 Gen Ed requirement	ECON 203 (Gen Ed Behavioral & Social Science)
3	DATA 214 Program requirement	◆ DATA 335* (required for the major)
3	DATA 216 Program requirement	DATA elective
60	Total Credits Transferred	
REMAINING UMGC DEGREE REQUIREMENT RECOMMENDED SEQUENCE UPON TRANSFER WITH ASSOCIATE S DEGREE		
	LIBS 150 Introduction to Research or other GenEd course (will be filled with 1 credit of MATH 102 from ACM)	---
	PACE 111T Program and Career Exploration in Technology or other PACE 111	3
	MATH 108 Trigonometry and Analytical Geometry (elective; prerequisite to MATH 140)	3
	WRTG 293 Introduction to Professional Writing or other Gen Ed writing (Gen Ed Communications)	3
	MATH 140 Calculus I (Gen Ed Mathematics; related requirement to the major)	4
	HIST 125 Technological Transformations (Gen Ed Arts & Humanities)	3
	BIOL 103 Introduction to Biology or other Gen Ed Biological & Physical Lab Science	4
	◆ CSIA 300 Cybersecurity for Leaders and Managers (required for the major)	3UL
	WRTG 393 Advanced Technical Writing other upper-level writing (Gen Ed Communications)	3UL
	◆ DATA 430 Foundations of Machine Learning (required for the major)	3UL
	Elective	3
	◆ DATA 440 Advanced Machine Learning (required for the major)	3UL
	Elective (must be taken upper-level)	3UL
	◆ DATA 445 Advanced Data Science (required for the major)	3UL
	Elective (must be taken upper-level)	3UL
	◆ DATA 450 Data Ethics (required for the major)	3UL
	Elective (must be taken upper-level)	3UL
	◆ DATA 460 Artificial Intelligence Solutions (required for the major)	3UL
	Elective (must be taken upper-level)	3UL
	◆ DATA 495 Data Science Capstone (required capstone for the major)	3UL
	Elective	1
TOTAL CREDITS REMAINING AT UMGC		60
<p>NOTES: Minimum of 120 credits, including 36 upper-level (courses numbered 300-499) required for bachelor's degree with minimum 2.0 (C) grade point average (GPA) / No course within major or minor below 2.0 GPA / At least one-half of credits within major and minor comprised of: a. upper-level; b. UMGC resident; c. traditional college courses earning a grade / Maximum of 70 transfer credits to UMGC from 2-year or community college (actual number of transfer credits dependent on meeting all UMGC bachelor's degree requirements) / WRTG 112 completed with grade of 1.67 GPA (C-) or better / ◆ = Denotes course in major at UMGC / * = Denotes lower-level course meets content requirement of upper-level course but does not transfer as upper-level / UL = Denotes upper-level course</p>		