



AACC ASSOCIATE OF ARTS IN TRANSFER STUDIES

Students transferring from AACC 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	ANNE ARUNDEL COMMUNITY COLLEGE Requirements for Associate's Degree	UNIVERSITY OF MARYLAND GLOBAL CAMPUS Requirements for Bachelor's Degree
3	ENG 101 or ENG 101A Gen Ed requirement	WRTG elective (Gen Ed Communications)
4	CTP 115 recom'd Technology requirement	CMIS 102 (elective)
3	Arts & Humanities Gen Ed requirement (not COM)	Gen Ed Arts & Humanities
3	MAT 135 recom'd Gen Ed Mathematics	◆ STAT 200 (required for the major)
3	Social & Behavioral Science Gen Ed requirement (not HIS)	Gen Ed Behavioral & Social Science
1	ACA 100 Institutional requirement	Elective
3	ENG 102 or ENG 102H Gen Ed requirement	WRTG 112 (Gen Ed Communications; <i>must be completed with C- or better</i>)
3	Arts & Humanities Gen Ed req (different discipline; not COM)	Gen Ed Arts & Humanities
3	Social & Behavioral Sciences Gen Ed req (diff. disp.; not HIS)	Gen Ed Behavioral & Social Science
4	Biological & Physical Lab Science Gen Ed requirement	Gen Ed Biological & Physical Lab Science
3	Wellness Gen Ed requirement	Elective
3	MAT 145 recom'd Concentration requirement	MATH 107 (Gen Ed Communications to fulfill Gen Ed block)
3	MAT 146 recom'd Concentration requirement	MATH 108 (elective)
3	Biological & Physical Science w/ out Lab recom'd Gen Ed req	Gen Ed Biological & Physical Science
3	CTP 140 recom'd elective	◆ IFSM 330* (required for the major)
3	CTP 160 recom'd elective	SDEV 300* (elective)
4	MAT 191 recom'd Concentration requirement	MATH 140 (Gen Ed Mathematics; related requirement to the major)
4	MAT 235 recom'd Concentration requirement	◆ DATA 320* (required for the major)
4	CTP 210 recom'd elective	DATA elective
3	CTP 214 recom'd elective	DATA 200 (Gen Ed Computing; related requirement to the major)
63	Total Credits Transferred	

REMAINING UMGc DEGREE REQUIREMENT RECOMMENDED SEQUENCE UPON TRANSFER WITH ASSOCIATE'S DEGREE

LIBS 150 Introduction to Research or other Gen Ed course (to be fulfilled with 1 credit of MAT 151 from AACC)	---
PACE 111T Program and Career Exploration in Technology or other PACE 111	3
◆ DATA 300 Foundations of Data Science (required for the major)	3UL
Elective	3
◆ CSIA 300 Cybersecurity for Leaders and Managers (required for the major)	3
Elective	3
◆ DATA 335 Data Visualization (required for the major)	3UL
WRTG 393 Advanced Technical Writing or other upper-level writing (Gen Ed Communications)	3UL
◆ DATA 430 Foundations of Machine Learning (required for the major)	3UL
Elective (must be taken upper-level)	3UL
◆ DATA 440 Advanced Machine Learning (required for the major)	3UL
Elective	3
◆ 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	3
◆ DATA 495 Data Science Capstone (required capstone for the major)	3UL
Elective	3
TOTAL CREDITS REMAINING AT UMGc	57

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