



**AACC ASSOCIATE OF SCIENCE IN GENERAL BIOLOGY
ARTS AND SCIENCES TRANSFER**

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 BIOTECHNOLOGY

<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	WR TG 111 (Gen Ed Communications)
3	MAT 145 recom'd Gen Ed Mathematics	MATH 107 (Gen Ed Mathematics)
4	BIO 103 Program requirement	BIOL 120 (elective; Major Related science)
3	SOC 111 Gen Ed requirement	SOCY 100 (Gen Ed Behavioral & Social Science)
3	BIO 135 recom'd Wellness Gen Ed requirement	NUTR elective (Gen Ed Biological & Physical Science)
3	ENG 102 or ENG 102H Gen Ed requirement	WR TG 112 (Gen Ed Communications; <i>must be completed with C- or better</i>)
3	MAT 146 Gen Ed requirement	MATH 108 (Gen Ed Behavioral & Social Science to honor Gen Ed block)
3	CTA 100 Gen Ed Technology requirement	IFSM 201 (Gen Ed Computing)
4	CHE 111 Program requirement	CHEM 103 (elective; Major Related Science)
4	BIO 100 or BIO 101 recom'd elective	BIOL 103 (Gen Ed Biological & Physical Lab Science; prereq to BIOL 325)
4	BIO 105 Program requirement	BIOL Lecture and Lab (elective; Major Related Science)
3	COM 111 or COM 116 recom'd COM requirement	SPCH 100 or SPCH elective (Gen Ed Communications)
4	BIO 220 Program requirement	◆ BIOL 222 and BIOL 224 (Major Required Genetics lecture and lab)
4	CHE 112 Program requirement	◆ CHEM 113 (Major Required Biotechnology Techniques Lecture)
3	ENG Sophomore Literature Gen Ed requirement	Gen Ed Arts & Humanities
3	HIS 111, HIS 112, HIS 211, or HIS 212 Gen Ed requirement	HIST 141, HIST 142, HIST 156, or HIST 157 (Gen Ed Arts & Humanities)
4	BIO 221 Program requirement	◆ BIOT elective (Major Required Biotechnology Techniques Lecture/Lab)
4	BIO 223 Program requirement	◆ BIOL 230 (Major Required Microbiology Lecture and Lab)
62	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 CHE 111 from AACC)	---
PACE 111S Program and Career Exploration in Health and Sciences or other PACE 111	3
WR TG 391 Advanced Research Writing or other upper-level writing (Gen Ed Communications)	3UL
◆ BIOL 325 Inquiries in Biological Science (required for the major)	3UL
Elective (avoid duplication of science credit – see note ~)	3
◆ BIOL 350 Molecular and Cellular Biology (required for the major)	3UL
Elective (avoid duplication of science credit – see note ~)	3
◆ BIOL 357 Bioinformatics (required for the major)	3UL
Elective (avoid duplication of science credit – see note ~)	3
Elective (must be taken upper-level; avoid duplication of science credit – see note ~)	3UL
◆ NSCI 301 Laboratory Management and Safety (required for the major)	3UL
Elective (avoid duplication of science credit – see note ~)	3
Elective (must be taken upper-level; avoid duplication of science credit – see note ~)	3UL
Elective (must be taken upper-level; avoid duplication of science credit – see note ~)	3UL
◆ BIOL 486B Workplace Learning in Biology (required workplace learning for the major)	6UL
Elective (must be taken upper-level; avoid duplication of science credit – see note ~)	3UL
Elective (avoid duplication of science credit – see note ~)	3
◆ BIOL 495 Current Trends and Applications in the Life Sciences (required capstone for the major)	3UL
Elective (avoid duplication of science credit – see note ~)	1
TOTAL CREDITS REMAINING AT UMGC	58

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) / WR TG 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 / ~ = Considered duplicate science credit: BIOL 230 and BIOL 302; BIOL 220 and a general genetics transfer course; BIOL 101 and BIOL 103; CHEM 103, CHEM 121, and CHEM 297