



**MONTGOMERY COLLEGE ASSOCIATE OF APPLIED SCIENCE:  
BIOTECHNOLOGY**

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



**UNIVERSITY OF MARYLAND  
GLOBAL CAMPUS**

**CATALOG YEAR:  
2021-2022**

**UMGC BACHELOR OF SCIENCE IN  
BIOTECHNOLOGY OR BTPS IN BIOTECHNOLOGY<sup>A</sup>**

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

CREDITS	MONTGOMERY COLLEGE Requirements for Associate Degree	UNIVERSITY OF MARYLAND GLOBAL CAMPUS Requirements for Bachelor's Degree
3	ENGL 101 or ENGL 101A (recom'd English foundation) *	WRTG elective (Gen Ed Communications)
3	MATH 117, MATH 120, or higher Mathematics foundation	STAT 200, MATH 106, or higher MATH (Gen Ed Mathematics)
4	BIOL 150 (Gen Ed Natural Science distribution with lab)	BIOL 103 (Gen Ed Biological & Physical Lab Science)
2	BIOT 110 (Program requirement)	BIOT elective (Major Related science)
4	CHEM 131 (Program requirement)	CHEM 103 (Gen Ed Biological & Physical Science)
3	ENGL 102 (recom'd English foundation)	WRTG 112 ( <i>Must be completed with a grade of C- or better</i> )
2	BIOT 120 (Program requirement)	BIOT elective (Major Related science)
1	BIOT 121 (Program requirement)	BIOT elective (Major Related science)
3	BIOT 200 (Program requirement)	◆ BIOT elective (Major Required science 3-credit lecture)
1	BIOT 201 (Program requirement)	BIOT elective (Major Related science)
4	BIOL 210 (Program requirement)	◆ BIOL 230 (Major Required microbiology lecture and lab)
4	BIOL 222 (Program requirement)	◆ BIOL 222 (Major Required genetics lecture and lab)
1	BIOT 231 (Program requirement)	BIOT elective (Major Related science)
3	BIOT 230 (Program requirement)	BIOT elective (Major Related science)
5	CHEM 203 (recom'd Program requirement) ‡	CHEM 233 (elective)
3	Arts or Humanities distribution course	Gen Ed Arts & Humanities
3	BIOT 240 (Program requirement)	◆ BIOT elective (lecture of Major Required sci. 4-cr. lecture & lab)
1	BIOT 241 (Program requirement)	◆ BIOT elective (lab of Major Required science 4-cr. lecture & lab)
3	Behavioral & Social Science distribution course	Gen Ed Behavioral & Social Science
5	CHEM 204 (recom'd Program elective) †	CHEM 243 (elective)
3	COMM 108 or COMM 112 (recom'd Program elective)	SPCH 100 or SPCH elective (Gen Ed Communications)
<b>61</b>	<b>Total Credits Transferred</b>	
<b>REMAINING UMGc DEGREE REQUIREMENT RECOMMENDED SEQUENCE UPON TRANSFER WITH ASSOCIATE DEGREE</b>		
	LIBS 150, CAPL 398A, or other Gen Ed course (will be fulfilled by 1 credit of BIOT electives from MC)	---
	PACE 111S or other 3-credit PACE course	3
	IFSM 201 or other Gen Ed Computing	3
	◆ BIOL 325 (required for the major)	3UL
	HIST 125 or other Gen Ed Arts & Humanities	3
	ECON 103 or other Gen Ed Behavioral & Social Science	3
	◆ BIOL 350 (required for the major)	3UL
	◆ BIOL 357 (required for the major)	3UL
	WRTG 391 or other upper-level writing (Gen Ed Communications)	3UL
	Elective (must be taken upper-level; avoid duplication of science credit – see note ~)	3UL
	◆ NSCI 301 (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 (required workplace learning for the major)	6UL
	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
	Elective (avoid duplication of science credit – see note ~)	3
	◆ BIOL 495 (required capstone for the major)	3
	Elective (avoid duplication of science credit – see note ~)	2
<b>TOTAL CREDITS REMAINING AT UMGc</b>		<b>59</b>
<p><b>NOTES:</b> 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 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 / ^ = Conferred AAS in Biotechnology is required to be eligible for the BTPS in Biotechnology / ~ = 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</p>		

**MONTGOMERY COLLEGE NOTES:** \* ENGL 101/ENGL 101A, if needed for ENGL 102/ENGL 103, or elective / ‡ CHEM 203 (5 semester hours) may be taken instead of CHEM 150 / † Program electives: BIOT 250, BIOT 251, CMAP 120, CHEM 132, CHEM 204, PHYS 203, PHYS 233, SCIR 297, MATH Elective, BIOL Elective, COMM 108 or COMM 112, HUMD, BSSD, or ARTD.