

# Biology Area of Concentration, A.S. STEM

Frederick Community College Suggested Transfer Pathway



Catalog Year 2019-2020

	FCC Course	Credits	University of Maryland College Park General Biology	UMD at Shady Grove B.S. Biological Sciences	Towson Cell & Molecular Bio Concentration	Mount St. Mary's B.S. Biology	Hood College B.A. Biology	UMBC B.S. Transitional Life Science Tech
<b>Semester 1</b>	1 ENGL 101 English Composition	3	ENGL 101*	ENGL 101*	ENGL 101*	ENGL 101*	ENGL 101*	ENGL 101*
	2 MATH 185 Calculus I (Prerequisite MA 165)	4	MATH 185*	MATH 185	MATH 185	MATH 185*	MATH 185	MATH 185*
	3 CHEM 101 General Chemistry I	4	CHEM 101*	CHEM 101*	CHEM 101*	CHEM 101*	CHEM 101	CHEM 101*
	4 BSCI 150 Principles of Biology I	4	BSCI 150*	BSCI 150*	BSCI 150*	BSCI 150*	BSCI 150	BSCI 150*
<b>Semester 2</b>	5 Humanities Gen Ed	3	Choose	Choose	PHIL 105, 207, 208, or 210	PHIL 101*	World Language 101 or 102	World Language 101 or 102*
	6 MATH 195 Calculus II or choose another elective in consultation with an advisor	4	MATH 195*	MATH 195*	Ask advisor	Ask advisor*	MATH 195	PHYS 151*
	7 BSCI 160 Principles of Biology II	4	BSCI 160*	BSCI 160*	BSCI 160*	BSCI 160*	BSCI 160	BSCI 160*
	8 CHEM 102 General Chemistry II	4	CHEM 102*	CHEM 102*	CHEM 102*	CHEM 102*	CHEM 102	CHEM 102*
	9 Physical Education, Health, or Nutrition Requirement	1	Choose	Choose	Choose	Choose	Choose	Choose
<b>Semester 3</b>	10 Social & Behavioral Sciences Gen Ed	3	Choose	Choose	Choose	HIST 201 or 202*	GEOG 101 or 102	Choose
	11 Communications Gen Ed	3	CMSP Gen Ed	CMSP Gen Ed	Choose	Choose*	Choose	Choose
	12 CHEM 201 Organic Chemistry I	4	CHEM 201*	CHEM 201*	CHEM 201*	CHEM 201*	CHEM 201	CHEM 201*
	13 Choose an elective in consultation with an advisor	3	PHYS 151*	BSCI 263	PHYS 253 or PHYS 151*	CMIS 106*	MATH 210	World Language 102*
	14 Arts Gen Ed	3	Choose	Choose	Choose	Choose*	Choose	Choose
<b>Semester 4</b>	15 BSCI 240 Genetics	4	BSCI 240*	BSCI 240	BSCI 240*	BSCI 240*	BSCI 240	BSCI 240*
	16 CHEM 202 Organic Chemistry II	4	CHEM 202*	CHEM 202*	CHEM 202*	CHEM 202*	CHEM 202	CHEM 202*
	17 Social & Behavioral Science Gen Ed in a different discipline from the first	3	Choose	Choose	Choose	Choose*	Choose	Choose
	18 General Education Elective	3/4	PHYS 252*	Choose	PHYS 122 or PHYS 252*	Choose*	PHYS 121 or 151	World Language 201*

**Important Notes:** The schools represented here are only a small sample of transfer options. Information is subject to change, and this suggested pathway is a guide, not a contract. Students should use this in consultation with an FCC advisor, the FCC catalog, [ARTSYS](#) (the state-wide online transfer system), and an advisor at the transfer institution. See the “Pathway Notes” section for more detailed information.

**Full-time student:** Follow the green semester blocks in order. **Part-time student:** Follow the blue course sequence at your own pace.

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### Pathway Notes

\* must earn a grade of "C" or higher in this course

### Transfer Institution Information

**University of Maryland College Park** offers a degree in General Biology or a degree in Biological Sciences with specializations in Cell Biology & Genetics, Ecology & Evolution, Microbiology, and Individualized Studies. The Biology program is a Limited Enrollment Program and requires a grade of "C" or better in gateway courses (BSCI 150 and 102, CHEM 101 and 102, CHEM 201 and 202) and a minimum GPA of 2.7. Only one gateway course can be repeated to earn the required grade (audits and withdrawals are considered an attempt).

**Towson University** offers concentrations in Cell & Molecular Biology, Functional Biology of Animals, Organismal Biology & Ecology, and Biology Secondary Education.

**Mount St. Mary's University** offers a B.S. in Biology and a minor in Biology. Only courses with a grade or "C" or better will be accepted in transfer.

**Hood College** offers a Bachelor of Arts in Biology or Environmental Science & Policy. Students who transfer to Hood College with a completed A.A. will have met Hood's lower level general education core requirements, and will not need to take World Languages.

**University of Maryland Baltimore County** offers a B.S. in Biological Sciences, a B.A. in Biological Sciences, a B.A. in Biology Education, a B.S. in Biochemistry and Molecular Biology, and a B.S. in Transitional Life Science Technology.

### Advising

Students should meet with an advisor each semester to carefully select and sequence courses based on their specific academic goals and interests.

The Counseling & Advising Office offers general advice: [emailadvising@frederick.edu](mailto:emailadvising@frederick.edu) • 301.846.2471 • [frederick.edu/advising](http://frederick.edu/advising)

Program managers offer specific academic area advice: [frederick.edu/programs](http://frederick.edu/programs)

### Completing the Pathway

Students who take fewer than 15 credits each semester or who require developmental English or math coursework will need additional semesters to complete their degrees. Summer and January term classes may help students to make faster progress.

General Education CORE courses can often be taken in any semester. One course must be designated as a Cultural Competence course. A minimum of nine credits must be taken at the 200 level. Refer to the college catalog ([frederick.edu/class-schedules](http://frederick.edu/class-schedules)) for course details and the list of General Education and Cultural Competence classes.

### Reverse Transfer

FCC students who transfer to another school may transfer credits *back to FCC* from that school to fulfill FCC associate degree requirements. Visit [frederick.edu/credit-admissions/reverse-transfer](http://frederick.edu/credit-admissions/reverse-transfer) or contact an advisor for more information.