

TRANSFER PATHWAYS

Biological Sciences Transfer Pathway

The following are course recommendations for students who plan on transferring to a four-year college or university to pursue a bachelor's degree in biology or related fields.

Recommended Courses

1st Semester

BIOL 151	Biological Sciences I	4 credits
ENGL 151	English Composition I	3 credits
MATH 157	College Algebra ¹	3 credits
CHEM 151	General College Chemistry I	4 credits
_____	Computer Skills Elective ²	3 credits
		17 credits

2nd Semester

BIOL 153	Biological Sciences II	4 credits
_____	Social Sciences Elective	3 credits
ENGL 152	English Composition II	3 credits
MATH 159	Trigonometry & Analytical Geometry ¹	3 credits
CHEM 152	General College Chemistry II	4 credits
		17 credits

3rd Semester

BIOL _____	Biology Elective ³	4 credits
CHEM 251	Organic Chemistry I ⁴	4 credits
MATH 171	Calculus I	4 credits
_____	Social Science Elective	3 credits
		15 credits

4th Semester

CHEM 252	Organic Chemistry II ⁴	4 credits
BIOL _____	Biology Elective ³	4 credits
_____	Social Science Elective	3 credits
_____	Humanities Elective	3 credits
		14 credits

(Total = 60 – 63 credits)

¹ May take MATH 164 (Precalculus) in place of MATH 157 (College Algebra) and MATH 159 (Trigonometry & Analytical Geometry).

² See the computer skills alternatives listed in college catalog.

³ Choose from BIOL 156 (Introduction to Environmental Science), BIOL 251 (Elements of Botany), BIOL 252 (Elements of Zoology), BIOL 260 (General Microbiology), BIOL 264 (Fundamentals of Genetics).

⁴ May take PHY 151 (General Physics I) and PHY 152 (General Physics II) in place of CHEM 251 (Organic Chemistry I) and CHEM 252 (Organic Chemistry II) to be completed as required at transfer school)

Chemistry Transfer Pathway

The following are course recommendations for students who plan on transferring to a four-year college or university to pursue a bachelor's degree in chemistry or related fields.

Recommended Courses

1st Semester

CHEM 151	General College Chemistry I	4 credits
ENGL 151	English Composition I	3 credits
MATH 171	Calculus I	4 credits
_____	Computer Skills Elective ¹	3 credits
		14 credits

2nd Semester

CHEM 152	General College Chemistry II	4 credits
ENGL 152	English Composition II	3 credits
MATH 172	Calculus II	4 credits
_____	Social Science Elective	3 credits
		14 credits

3rd Semester

CHEM 251	Organic Chemistry I	4 credits
PHY 151/251	General or Engineering Physics I	4 – 5 credits
BIOL _____	Biology Elective	4 credits
MATH 271	Calculus III	4 credits
		16 – 17 credits

4th Semester

CHEM 252	Organic Chemistry II	4 credits
PHY 152/252	General or Engineering Physics II	4 – 5 credits
_____	Social Science Elective	3 credits
_____	Social Science Elective	3 credits
_____	Humanities Elective	3 credits
		17 – 18 credits

(Total = 61 – 63 credits)

¹ See the computer skills alternatives listed in the college catalog.

Transfer Information:

Transfer Institutions may require different courses for this transfer program. Students should tailor their MCCC program as closely as possible to the requirements at their four-year school of choice. Meet with an Enrollment Services representative for more information.

Prerequisites:

All students should check for prerequisites for a class before registering. Prerequisites can be found at www.monroeccc.edu.