Please contact a campus advisor for this program
Professor Rachel Mintell, rmintell@manchestercc.edu

These requirements are effective if you declared the Transfer Ticket: CSCU Pathway Transfer Degree: Biology Studies, A.A. major for the 2016/17 through 2022/23 academic year.

With this degree, you will be able to transfer to the following majors. Follow this link for important information about when and how to apply for transfer to a State University or Charter Oak State College.

At Central Connecticut State University
- Biology – General Biology, B.S.
- Biology – Ecology, Biodiversity, and Evolutionary Biology, B.S.
- Biology – Environmental Science, B.S.

At Eastern Connecticut State University
- Biology, B.A.
- Biology, B.S.

At Southern Connecticut State University
- Biology, B.A.
- Biology, B.S.

At Western Connecticut State University
- Ecology, B.A.

Here is the recommended course of study for the CSCU Pathway Transfer Degree: Biology Studies, A.A. If you are studying part time, simply follow the order of the courses listed here. Note that not all courses will be available every semester. You will notice that in many instances you will be able to choose the specific course you will take from within a category. For a list of the courses from each category that you can choose from, go to Appendix (PDF).

First Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 101 Composition</td>
<td>3</td>
</tr>
<tr>
<td>MAT 186 Pre-Calculus</td>
<td>4</td>
</tr>
<tr>
<td>BIO 121 General Biology I</td>
<td>4</td>
</tr>
<tr>
<td>CHE 121 General Chemistry I</td>
<td>4</td>
</tr>
</tbody>
</table>

Second Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 122 General Biology II</td>
<td>4</td>
</tr>
<tr>
<td>CHE 122 General Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td>Choose one from the following**</td>
<td>3-4</td>
</tr>
<tr>
<td>MAT 254 Calculus</td>
<td>4</td>
</tr>
<tr>
<td>Additional General Education I: Creativity</td>
<td>3</td>
</tr>
<tr>
<td>Additional General Education II: Global Knowledge</td>
<td>3</td>
</tr>
<tr>
<td>Choose one Written Communication II course</td>
<td>3</td>
</tr>
</tbody>
</table>

Revised 04/27/2022
Begin the transfer application process in your third semester or the semester before you plan to graduate. FAFSA becomes available October 1.

### Third Semester 14 credits

- Choose one from the following *
  - BIO 211 Anatomy and Physiology I
  - BIO 220/CHE 220 Biochemistry
  - BIO 235 Microbiology
  - BIO 262 Genetics
- Choose one from the following: 4 credits
  - PHY 121 General Physics I
  - PHY 221 Calculus Based Physics I
  - CHE 211 Organic Chemistry I
- Choose one **Social Phenomena** course 3 credits
- Choose one **Aesthetic Dimensions** course 3 credits

**During your last semester at MCC, apply for graduation by the dates found here.**

### Fourth Semester 17 credits

- Choose one not already taken from the following *
  - BIO 211 Anatomy and Physiology I
  - BIO 212 Anatomy and Physiology II
  - BIO 220/CHE 220 Biochemistry
  - BIO 235 Microbiology
  - BIO 262 Genetics
- Choose one from the following: 4 credits
  - PHY 122 General Physics II
  - PHY 222 Calculus Based Physics II
  - CHE 212 Organic Chemistry II
- Choose one **Historical Knowledge and Understanding** course 3 credits
- Choose one **Continued Learning and Information Literacy** course 3 credits
- Choose one **Oral Communication** course 3 credits

*You may take any 200-level Biology Lab Science course(s) for this category.

**You need to take MAT 254 or an Additional General Education Elective I or II for a total of 3-4 credits.

---

**Here is another way to look at the degree, by requirements**

Unless a course is specifically designated, such as ENG 101 Composition for **Written Communication I**, you will have a choice about which course you take. For a list of the courses from each category that you can choose from, go to [Appendix (PDF)](#).

### General Education Requirements 33 credits

- **Written Communication I**
  - ENG 101 Composition 3 credits
- **Written Communication II (select one)**
  - 3 credits
- **Scientific Reasoning**
  - BIO 121 General Biology I 4 credits
- **Scientific Knowledge and Understanding**
  - 4 credits

Revised 04/27/2022
CHE 121 General Chemistry I

Quantitative Reasoning
MAT 186 Pre-Calculus

Historical Knowledge and Understanding (select one)

Social Phenomena (select one)

Aesthetic Dimensions (select one)

Continued Learning and Information Literacy (select one)

Oral Communication (select one)

Additional General Education I: Creativity **

Additional General Education II: Global Knowledge**

Major Program Requirements

BIO 122 General Biology II
Select two of the following*

BIO 211 Anatomy and Physiology I
BIO 212 Anatomy and Physiology II
BIO 220/CHE 220 Biochemistry
BIO 235 Microbiology
BIO 262 Genetics

CHE 122 General Chemistry II
Select one of the following sequences:  

PHY 121 General Physics I and PHY 122 General Physics II  
OR  
PHY 221 Calculus Based Physics I and PHY 222 Calculus Based Physics II  
OR  
CHE 211 Organic Chemistry I and CHE 212 Organic Chemistry II

MAT 254 Calculus I**

CSCU Pathway Transfer Degree: Biology Studies, A.A. Total

In order to graduate and be guaranteed admission to a State University or to Charter Oak State College, you must earn an overall 2.0 grade point average.