

# Biology Transfer Pathway

for Ohio Community College students  
transferring to Ursuline College



November 2022

This document outlines the [statewide Ohio Guaranteed Transfer Pathway \(OGTP\) in Biology](#) that has been designed to provide clarity and consistency for college courses transferring between Ohio 2-year and 4-year public institutions.

This same transfer pathway in biology is now approved for students transferring to Ursuline College, through a partnership between 11 Ohio community colleges and 14 private colleges called the [Ohio Consortium for Transfer Pathways to the Liberal Arts](#), and whose faculty and administration have collaborated to expand access and credit clarity for students transferring with an associate’s degree from an Ohio community college to an Ohio private college or university.

Pages 1 & 2 of this document outline **community college courses that are approved statewide** for transfer credit toward the bachelor of science degree in biology at an approved 4-year institution. Pages 3-5 show how these courses transfer to Ursuline College to meet bachelor degree requirements.

COMMUNITY COLLEGE – ASSOCIATE DEGREE COURSEWORK – TOTAL 60-65 CREDITS GENERAL EDUCATION REQUIREMENTS/OHIO TRANSFER 36		Minimum Credit Hours
ENGLISH COMPOSITION AND ORAL COMMUNICATION:		3
Course 1:	Any OT36 approved First Writing course	3
MATHEMATICS, STATISTICS AND LOGIC		4-5
Course 1:	Calculus I <sup>1</sup>	4-5
ARTS AND HUMANITIES (Two courses from two different areas)		6
Course 1:	Any OT36 approved Arts and Humanities course	3
Course 2:	Any OT36 approved Arts and Humanities course	3
SOCIAL AND BEHAVIORAL SCIENCES (Two courses from two different areas)		6
Course 1:	Any OT36 approved Social and Behavioral Sciences course [Introduction to Psychology recommended for pre-medicine]	3
Course 2:	Any OT36 approved Social and Behavioral Sciences course [Introduction to Sociology (OSS021) recommended for pre-medicine]	3
NATURAL SCIENCES		8-10
Course 1:	General Chemistry I with lab (OSC008)	4-5
Course 2:	General Chemistry II with lab (OSC009)	4-5
ADDITIONAL CREDITS		10
Course 1:	Any OT36 approved Second Writing course	3
Course 2:	Up to 7 additional hours of OT36 approved courses <sup>2</sup>	7
GENERAL EDUCATION/OHIO TRANSFER 36 TOTAL:		37-40

**Advising Notes:**

Where it indicates “Any OT36 approved,” students should work closely with their advisors.

<sup>1</sup> A prerequisite, such as College Algebra, may be needed for a student to reach Calculus I. The math requirement may vary by institution, and students planning to pursue a Bachelor of Arts in Biology may only need Pre-Calculus. Check with your academic advisor and your receiving institution to determine the appropriate mathematics course.

<sup>2</sup> Due to the variability across institutions, students should work with their academic advisor to determine an appropriate program of study and appropriate amount of additional credits to satisfy the OT36.

COMMUNITY COLLEGE – ASSOCIATE DEGREE COURSEWORK – Continued <i>from page 1</i>		Minimum credit hours
<b>PRE-MAJOR/BEGINNING MAJOR</b>		
Course 1:	Biology I (OSC003)	4-5
Course 2:	Biology II (OSC004)	4-5
Course 3:	Calculus-based Physics I with lab (OSC016) or Algebra-based Physics I with lab (OSC014) or biology course <sup>1</sup>	4-5
<b>PRE-MAJOR/BEGINNING MAJOR TOTAL:</b>		<b>12-15</b>
<b>OTHER REQUIREMENTS</b>		
Courses 1 and 2:	Full-Year Sequence of Organic Chemistry with lab (OSC010) <sup>2</sup> [Not required but highly recommended for pre-medicine]	8-12
Electives:	General Electives as needed (May include FYE or Orientation course) <sup>3</sup>	4-6
<b>OTHER REQUIREMENTS TOTAL:</b>		<b>8-18</b>
<b>Advising Notes:</b>		
<p><sup>1</sup> The amount and type of physics (calculus or non-calculus-based) required in the biological sciences varies from institution to institution. Many institutions require at least one semester of physics, others none. If physics is not a program requirement, an appropriate biology course should be selected with the guidance of your academic advisor. Please consult with your academic advisor and your receiving institution within the first year of study to determine an appropriate course of study.</p> <p><sup>2</sup> The statewide transfer guarantee applies to the full-year sequence. All non-sequence coursework will be reviewed on a course-by-course basis by the receiving institution for transfer and application to the major. Not all institutions require Organic Chemistry, although it may be required for students who are pre-medicine. Consult with your academic advisor and your receiving institution.</p> <p><sup>3</sup> Certain institutions may require two semesters or more of foreign language for Bachelor of Arts and Bachelor of Science degrees. If so, foreign language should be taken – check with your receiving institution.</p> <p>Additional recommended pre-major/major coursework may include courses in cell biology, microbiology, or genetics. Consult with your academic advisor and your receiving institution to determine an appropriate program of study.</p>		
<b>Associate Degree</b>		<b>Total Credit Hours</b>
<b>ASSOCIATE DEGREE TOTAL:</b>		<b>60-65</b>
<b>SPECIAL NOTES</b>		
<p>Students with plans of pursuing a pre-professional or graduate studies track in the future should work closely with their academic advisor and receiving institution starting in the first year of their program to adequately prepare themselves for those types of tracks. Some pre-professional degrees include pre-medicine, pre-veterinary, pre-law, and pre-dentistry.</p> <p>Students should check with individual institutions for their program admission requirements.</p> <p>Some bachelor-degree granting institutions require additional general education courses outside of the OT36 and students may be required to take these courses in their junior or senior year. Students will still be able to follow this pathway and complete their bachelor's degree in approximately 60 additional credit hours.</p>		

## How Biology Pathway Courses Transfer to Ursuline College



The following table outlines how transfer credits from the biology transfer pathway and associate's degree will be applied to the Bachelor of Science in Biology degree at Ursuline College.

Students interested in transferring to Ursuline College should meet with an admission counselor regarding optimal course selection and admission requirements.

<b>URSULINE COLLEGE</b>		
<b>COURSE EQUIVALENCIES FROM THE ASSOCIATE DEGREE PATHWAY</b>	<b>Course Number</b>	<b>Credit Hours</b>
<b>GENERAL EDUCATION REQUIREMENTS/OHIO TRANSFER 36</b>		
Any OT36 approved First Writing course	EN 123	3
Any OT36 approved Second Writing course	EN 124	3
Calculus I or Pre-Calculus	MAT 222	4
Any OT36 approved Arts and Humanities course [Recommended: Arts]	AR/AT/MU	3
Any OT36 approved Arts and Humanities course [Recommended: English Literature]	EN	3
Any OT36 approved Social and Behavioral Sciences course (Introduction to Psychology (OSS015) recommended for pre-medicine)	PS 101	3
Any OT36 approved Social and Behavioral Sciences course (Introduction to Sociology (OSS021) recommended for pre-medicine)	SO 103	3
General Chemistry I with lab (OSC008)	CH 105+L	4
General Chemistry II with lab (OSC009)	CH 106+L	4
Up to 6 additional hours of OT36 approved courses [Recommended: HI/PO]	OT36 Electives including HI/PO	6
<b>PRE-MAJOR/BEGINNING MAJOR</b>		
Biology I (OSC003)	BI 205+L	4
Biology II (OSC004)	BI 200+L	4
Calculus-based Physics I with lab (OSC016) or Algebra-based Physics I with lab (OSC014) or biology course	PY 201+L (+ PY203) or BI course	4-5
<b>OTHER RECOMMENDATIONS</b>		
Full-Year Sequence of Organic Chemistry with lab	CH 221+L/ CH 222+L	8
Electives	Electives	3-9
<b>TOTAL HOURS FROM ASSOCIATE DEGREE:</b>		<b>60-65</b>

### Advising Notes:

This Transfer Pathway completes the Associate of Science degree, which must total at least 60 semester credits and includes 36 credits of the Ohio Transfer 36 (OT36), which are approved general education requirements. OT36 details can be found at <https://transfercredit.ohio.gov/initiatives-upd/ohio-transfer-36>.

## Biology Transfer Pathway

Remaining Courses to Complete at  
Ursuline College

This table outlines the remaining coursework required for the bachelor of science in biology degree at Ursuline College. A student transferring to Ursuline College with the associate of science degree and biology transfer pathway completed will receive maximum credit, placing them at or near junior standing with introductory coursework in the biology major completed.

Most or all of the Ursuline College general education requirements can be completed as part of the associate degree, through planning with a transfer advisor. Some institutional degree requirements must be taken at Ursuline College as listed below.

Students interested in transferring to Ursuline College should meet with an admission counselor regarding optimal course selection and admission requirements.

REMAINING COURSEWORK TO COMPLETE THE BACHELOR'S DEGREE AT URSULINE COLLEGE	Course Number	Credit Hours
<b>INSTITUTIONAL DEGREE REQUIREMENTS</b>		
Identity, Diversity, and Community	UC 201	3
Religious studies course	RS xxx	3
Religious studies course (300 level and higher)	RS 3xx or 4xxx	3
History or Political Science (if not taken already)	HI/PO	0-3
Philosophy (300 level and higher)	PH 3xx	3
Capstone Seminar	UC 401	3
<b>MAJOR REQUIREMENTS</b>		
Ecology and Lab	BI 325+L	4
Genetics and Lab	BI 335+L	4
Cellular and Biochemical Processes and Lab	BI 430+L	4
Biology electives (300 level and higher)	BI 3xx and 4xx	11
Service Learning	BI 400	1
Departmental Seminar	BI 451	3
<b>OTHER BACHELOR DEGREE REQUIREMENTS</b>		
Electives		10-18
<b>TOTAL REMAINING COURSEWORK TO COMPLETE BACHELOR'S DEGREE</b>		<b>55-60</b>

**Advising Notes:**

A minimum of 120 semester credits. Ursuline College admission requires no ACT/SAT score.

At least one AR, AT, EN, HI, MU, PH, PO, RS class or equivalent should have an emphasis on American Culture.

At least one AR, AT, EN, HI, MU, PH, PO, RS class or equivalent should have an emphasis on Western Culture.

At least one AR, AT, EN, HI, MU, PH, PO, RS class or equivalent should have an emphasis on World Culture.

The number of credit hours vary depending on whether the student has completed the organic chemistry sequence. The chemistry minor presents the best pathway to completion of the academic minor for those students seeking admission to medical school.

# Sample Degree Map for Biology Transfer Pathway

## Ursuline College



This sample degree map shows how students who transfer to Ursuline College with the biology transfer pathway can complete the bachelor's degree in four semesters.

THIRD YEAR			
SEMESTER 5		SEMESTER 6	
Course Name & Number	Credit Hours	Course Name & Number	Credit Hours
UC 201 Identity, Diversity & Community	3	Elective or PY202/L (if premed)	3-5
BI 325/L Ecology w/ lab or BI 335/L Genetics w/ lab	4	BI 430/L Cellular & Bio-Chem Processes w/ lab or BI xxx (300 level or higher)	3-4
HI or PO xxx or Elective (as needed)	3	BI xxx (300 level or higher)	3-4
RS xxx	3	Elective or UC CORE REQ: AR/AT/MU, or EN Lit (as needed)	4
Elective or UC CORE REQ: AR/AT/MU, or EN Lit (as needed)	3		
<b>Total Semester Credit Hours</b>	<b>16</b>	<b>Total Semester Credit Hours</b>	<b>13-16</b>

FOURTH YEAR			
SEMESTER 7		SEMESTER 8	
Course Name & Number	Credit Hours	Course Name & Number	Credit Hours
RS xxx (300 level and higher)	3	UC 401 Capstone Seminar	3
BI 325/L Ecology w/ lab or BI 335/L Genetics w/ lab	4	BI 430/L Cellular & Bio-Chem Processes w/ lab or BI xxx (300 level or higher)	3-4
BI xxx (300 level or higher)	3-4	BI 400 Service Learning	1
PH xxx (300 level or higher)	3	BI 451 Departmental Seminar	3
		Elective or UC CORE REQ: AR/AT/MU, or EN Lit (as needed)	3
<b>Total Semester Credit Hours</b>	<b>13-14</b>	<b>Total Semester Credit Hours</b>	<b>13-14</b>