



### Associate of Science to Bachelor of Science in Biology Transfer Pathway

Course selection/order may vary. All pathways are subject to change. Always review with your LCCC/Partner advisor. LCCC courses are indicated in bold; partner courses are not bolded.

#### Year One Curriculum

##### Semester One

LCCC Course Name	Credit Hrs
<b>ENGL 161: College Composition I</b>	<b>3</b>
<b>BIOG 161: Principles of Biology I</b>	<b>4</b>
<b>SPHN 251: Intermediate Spanish I</b> <b>or</b> <b>FRNH 251: Intermediate French I</b>	<b>3</b>
<b>MTHM 171: College Algebra</b>	<b>4</b>
<b>SDEV 101: College 101</b>	<b>1</b>
<b>MUSC 262: Music as a World Phenomenon (international perspective) *</b>	<b>3</b>
<b>Semester Total</b>	<b>18</b>

##### Semester Two

LCCC Course Name	Credit Hrs
<b>ENGL 162: College Composition II</b>	<b>3</b>
<b>BIOG 162: Principles of Biology II</b>	<b>4</b>
<b>SPNH 252: Intermediate Spanish II</b> <b>or</b> <b>FRNH 252: Intermediate French II</b>	<b>3</b>
<b>MTHM 172: Pre-Calculus</b>	<b>3</b>
<b>PSYH 151: Introduction to Psychology*</b>	<b>3</b>
<b>Semester Total</b>	<b>16</b>

Cumulative Total Credits After Year One: 34

#### Year Two Curriculum

##### Semester One

LCCC Course Name	Credit Hrs
<b>MTHM 181: Calculus I</b>	<b>5</b>
<b>CHMY 171: General Chemistry I</b>	<b>5</b>
<b>ENGL 266: African American Literature (cultural diversity)*</b>	<b>3</b>
<b>OT36 Social Science Course*</b>	<b>3</b>
<b>Semester Total</b>	<b>16</b>

##### Semester Two

LCCC Course Name	Credit Hrs
<b>MTHM 182: Calculus II</b> <b>(for pre-med, pre-dental or pre-vet) or</b> <b>Elective</b>	<b>5</b> <b>or</b> <b>3</b>
<b>CHMY 172: General Chemistry II</b>	<b>5</b>
<b>BIOG 275: Genetics</b>	<b>4</b>
<b>BIOG 252: Microbiology</b>	<b>5</b>
<b>Semester Total</b>	<b>17-19</b>

Cumulative Total Credits After Year Two: 67-69

Student will have earned the Lorain County Community College Associate of Science (#8750) degree at the conclusion of the above curriculum pathway.

#### Notes:

- Courses noted with (\*) include course choices possible for these requirements. See BGSU or LCCC Advisor for guidance.
- Student should work with their BGSU or LCCC Advisor for [OT36](#) course selection.

## Year Three Curriculum

### Semester One

BGSU or LCCC Course Name	Credit Hrs
<b>CHMY 271: Organic Chemistry I</b>	5
BGSU Multidisciplinary Component Course	3
BIOL 3540: Population & Community Ecology <i>BGSU required course</i>	3
BIOL 3740: Marine Biology <i>BGSU required course</i>	3
<b>Semester Total</b>	<b>14</b>

### Semester Two

BGSU or LCCC Course Name	Credit Hrs
<b>CHMY 272: Organic Chemistry II</b> <i>(for pre-med, pre-dental or pre-vet) or</i> BGSU Elective	5 or 3
BIOL 4390: Immunobiology <i>BGSU required course</i>	3
BIOL 4450: Environmental Microbiology <i>BGSU required course</i>	3
<b>200-level LCCC Psychology Elective</b>	<b>3</b>
<b>Semester Total</b>	<b>12-14</b>

### Cumulative Total Credits After Year Three: 93-97

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## Year Four Curriculum

### Semester One

BGSU or LCCC Course Name	Credit Hrs
4000-level BGSU BIOL required course	3
BGSU Multidisciplinary Component Course	3
3000/4000-level BGSU Multidisciplinary Component Course	3
<b>PHYC 115: Physics for the Allied Health Sciences</b> <u>or</u> <b>PSSC 153: Physical Science</b> <b>(for those pursuing a B.A. or PHYC 150: General Physics I (for those pursuing a B.S.))</b>	4
Elective <i>(if needed to reach degree minimum credits)</i>	4
<b>Semester Total</b>	<b>13-17</b>

### Semester Two

BGSU or LCCC Course Name	Credit Hrs
BIOL 4480: Molecular Evolution <i>BGSU required course</i>	3
<b>PHYC 152: General Physics II</b> <i>(for pre-med, pre-dental or pre-vet) or</i> BGSU Elective	5 or 3
3000/4000-level BGSU Multidisciplinary Component Course	3
BIOL 3510: Evolution <i>BGSU required course</i>	3
<b>Semester Total</b>	<b>12-14</b>

### Cumulative Total Credits After Year Four: 122-124

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Student will have earned the Bowling Green State University Bachelor of Science in Biology degree at the conclusion of the above curriculum pathway.

#### Notes:

- Students **must** earn a minimum of 122 credit hours to earn the BGSU Bachelor's degree. 30 of those credits must be completed at Bowling Green State University and 40 credits must be taken at the 3000/4000 level. Please note that some LCCC courses are equivalent to 3000/4000 level BGSU courses – see an advisor/counselor for guidance.

**Disclaimer:** *The fluidity of these pathways is acknowledged. At each level changes are possible as requirements, courses, course numbers, etc. may change. All efforts have been made to confirm the accuracy of the pathway by each institution. Always be aware of the date of review on the document. Always seek the assistance of an Academic Advisor or Counselor.*