



## Appendix A

### Degree Map/Transfer Pathway



### Associate of Science to Bachelor of Science in Biology: Ecology/Environmental Science Concentration

The Biology major with a concentration in Ecology/Environmental science will prepare students for graduate studies and STEM careers in ecology, environmental science and related disciplines. Graduates will have acquired a broad foundation of knowledge and conceptual understanding of the biotic and abiotic factors interacting within ecosystems. Graduates will have developed the scientific research skills essential to conducting and/or contributing to scientific investigations related to ecology and environmental science. Recommended for students interested in pursuing advanced degrees in the sciences and/or careers involving scientific research.

#### 4 Year Degree Planner

First Year at Cuyahoga Community College			
Fall Semester	Credits	Spring Semester	Credits
BIO 1500 Principles of Biology I	4	BIO 1510 Principles of Biology II	4
CHEM 1010 Introduction to Inorganic Chemistry	4	Social & Behavioral Science Elective	3
COMM 1010 Fundamentals of Speech Comm. *	3	ENG 1020/102H College Composition II	3
Elective	3	<sup>1</sup> Elective (choose a course from below)	3
ENG 1010/101H College Composition I	3	MATH 1410 Elementary Probability & Statistics I	3
	<b>17</b>		<b>16</b>
Second Year at Cuyahoga Community College			
Fall Semester	Credits	Spring Semester	Credits
CHEM 1300 General Chemistry I	4	ANTH 1010 Cultural Anthropology	3
CHEM 130L General Chemistry Laboratory I	1	CHEM 1310 General Chemistry II	4
MATH 1580 Precalculus	5	CHEM 131L General Chemistry Laboratory II	1
PHYS 1210 College Physics I	4	PHIL 1000 Critical Thinking	3
		PHYS 1220 College Physics II	4
	<b>14</b>		<b>15</b>
<b>Total minimum credits earned at Tri-C</b>	<b>60</b>	<b>Associate of Arts Degree Awarded</b>	
First Year at Notre Dame College			
Fall Semester	Credits	Spring Semester	Credits
BI 307 Cell and Molecular Biology & Laboratory	4	CH 214 Organic Chemistry II	3
BI 310 Ecology	3	CH 214 Organic Chemistry Laboratory II	1
BI 311 Ecology Laboratory	1	BI 320 Evolution	3
CH 211 Organic Chemistry I	3	BI 360 Microbiology	3
CH 213 Organic Chemistry Laboratory I	1	BI 361 Microbiology Laboratory	1
TH 250 Spirituality: Finding Your Inner GPS	3	PH 480 Current Ethical Problems and Positions	3
	<b>15</b>		<b>14</b>
Second Year at Notre Dame College			
Fall Semester	Credits	Spring Semester	Credits
TH 450 Social Justice: Issues and Action	3	BI 481-483 Coordinating Seminar	1
BI 317 Plant Biology & Laboratory	4	Research Science Elective	3-4
Biotic Science Elective Course	3-4	Abiotic Science Elective	3-4
Elective	3	Elective	3
Elective (300-400 level)	3	Elective	3
	<b>16-17</b>		<b>13-15</b>
<b>Total minimum credits earned at both institutions</b>	<b>120</b>	<b>Bachelor of Arts Degree Awarded</b>	

\* Equivalent course taken under SPCH will be accepted to meet this requirement

#### Additional Information:

Assumptions: college-level readiness in MATH and ENG.

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<sup>1</sup> (NDC Literary Inquiry Core): ENG 2020, 2310, 2320, 2350, 2360, 2410, 2420, 2430, 2510, 2520, 2700, 2710, 2720, or 2730