

**Muskegon Community College - Aquinas College
Articulation Agreement**

ENVIRONMENTAL STUDIES MAJOR

Bachelor of Science
fall 2021

Major Requirements: 52 semester hours. **At least 18 semester hours must be taken at Aquinas.** Students must complete core courses and at least one concentration to total 52 semester hours. Only courses with a grade of C or higher will count toward the major.

AQUINAS CORE REQUIREMENTS

_____	CS 152 Spreadsheets	1.0
_____	EL 100 Intro to Environmental Studies	3.0
_____	EL 301 Advanced Environmental Studies	3.0
_____	EL 490 Advanced Techniques and Topics	4.0
_____	EL 499 Environmental Studies Capston Research Sem	1.0
_____	ES 211 Microeconomic Principles	3.0
_____	GY 101 Earth Environments	4.0
_____	MS 151 Elementary Statistics OR MS252 Statistics	3.0

2 courses from the following:

_____	EH 310 Special Topics in English (chair approval rqrd.)	3.0
_____	HY 240 Environmental History	3.0
_____	PH 238 Environmental Philosophy	3.0
_____	TY 255 Catholic Social Teaching	3.0
_____	WS 260 Women and the Environment	3.0

CONCENTRATION 1: ECOLOGY

_____	BY 170 Introduction to Organisms	4.0
_____	BY 171 Introduction to Cells	4.0
_____	BY 352 Ecology	3.0

3 courses from the following:

_____	BY 231 Microbiology	4.0
_____	BY 241 Ornithology	3.0
_____	BY 264 Plant Taxonomy	3.0
_____	BY 275 Aquatic Field Biology	3.0
_____	GY 360 Biogeography	3.0

3-4 semester hours of elective courses at a 200 level or above:

_____	_____	
_____	_____	

CONCENTRATION 2: CHEMISTRY

_____	CY 111 General Chemistry I	4.0
_____	CY 112 General Chemistry II	4.0
_____	CY 211 Organic Chemistry I	4.0
_____	CY 212 Organic Chemistry II	4.0
_____	CY 215 Quantitative Analysis	4.0
_____	CY 346 Instrumental Methods of Analysis	4.0

CONCENTRATION 3: EARTH SCIENCE

_____	GY 320 Cartography: Map Making and Interpretation	4.0
_____	GY 340 Remote Sensing	4.0
_____	GY 385 Geographic Information systems-GIS	4.0
_____	GY 280 Geospatial Analysis	3.0

TRANSFER EQUIVALENTS

_____	<u>CIS 101 or CIS 102 SPREADSHEETS</u>
_____	_____
_____	_____
_____	_____
_____	<u>ECON 102 Principles of Microeconomics</u>
_____	<u>GEOG 101A PHYSICAL GEOGRAPHY</u>
_____	BUS 105 Business Statistics or MATH 115 or 215
_____	Probability and Statistics

_____	<u>BIOL 104 INTRODUCTORY BIOLOGY II</u>
_____	<u>BIOL 103 INTRODUCTORY BIOLOGY</u>
_____	_____
_____	<u>BIOL 207 Microbiology Lecture</u>
_____	_____
_____	<u>BIOL 120 Flowering Plants or Southwestern M</u>
_____	_____
_____	_____

_____	<u>CHEM 101 LEC General and Inorganic Chemistry</u>
_____	<u>CHEM 102 LEC General and Inorganic Chemistry</u>
_____	<u>CHEM 201 Organic Chemistry Lecture</u>
_____	<u>CHEM 202 Organic Chemistry Lecture</u>
_____	_____
_____	_____

_____	<u>GEOG 230 ELEMENTS OF MAP DESIGN</u>
_____	_____
_____	_____
_____	_____

_____	GY 350 Climatology/Meteorology	4.0
_____	GY 352 Geomorphology	3.0
_____	GY 360 Biogeography	3.0
_____	GY 370 Geography of Water Resources	3.0

_____	<u>GEOG 215 INTRODUCTION TO WEATHER AND</u>
_____	_____
_____	_____
_____	_____

3 semester hours of elective courses at a 200 level or above:

CONCENTRATION 4: SUSTAINABILITY AND POLICY CONCENTRATION

_____	BY 123 Environmental Biology OR CY 101 Environmental Chemistry	3.0
_____	EL 346 Environmental Policy and Politics: Issues and Approaches	3.0
_____	ES 300 Environmental Economics and Policy	3.0

_____	<u>BIOL 110 ENVIRONMENTAL SCIENCE</u>
_____	_____
_____	_____

4 courses from the following:

_____	CL 209 Sustainable Cities and Environmental Justice	3.0
_____	ES 212 Macroeconomic Principles	3.0
_____	GY 212 Urban Geography	4.0
_____	GY 370 Geography of Water Resources	3.0
_____	PS 340 Public Administration	3.0
_____	PS 345 Public Policy	3.0
_____	SB 100 Industrial Ecology	3.0
_____	SB 200 Sustainable Energy Systems	3.0
_____	SB 202 Environmental Regulatory Compliance	3.0
_____	SB 315 Building Social Capital	3.0

_____	<u>ECON 101 Principles of Macroeconomics</u>
_____	_____
_____	_____
_____	_____
_____	_____
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2-3 semester hours of elective courses at a 200 level or above:

Please Note: Aquinas College reserves the right to change, modify or amend the above-stated requirements and/or courses in sole discretion and without prior notice.

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CLIMATE

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