

**Grand Rapids Community College - Aquinas College  
Articulation Agreement**

**ENVIRONMENTAL STUDIES MAJOR**

Bachelor of Science as of 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

**TRANSFER EQUIVALENTS**

CIS	156 Excel
BI	118 Environmental Science
_____	_____
_____	_____
EC	252 Principles of Microeconomics
GE	132 Physical Geography
BA	254 Business Statistics

2 courses from the following:

_____	EH 310 Special Topics in English (chair approval rprd.)	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

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**CONCENTRATION 1: ECOLOGY**

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

BI	152 Biological Diversity
BI	151 Intro to Cells, Molecules & Genes
BI	215 General Ecology

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

BI	127 Microbiology
_____	_____
_____	_____
_____	_____

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

_____	_____
_____	_____

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_____	_____

**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

CHM	130 General Chemistry 1
CHM	140 General Chemistry 2
CHM	260 Organic Chemistry 1
CHM	270 Organic Chemistry 2
CHM	280 Quantitative Chemical Analysis

**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

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_____	_____

3 courses from the following:

_____	GY 280 Geospatial Analysis	3.0
_____	GY 350 Climatology/Meteorology	4.0
_____	GY 352 Geomorphology	3.0

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_____	_____

_____	GY 360 Biogeography	3.0	_____
_____	GY 370 Geography of Water Resources	3.0	_____

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

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**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	_____

4 courses from the following:

_____	CL 209 Sustainable Cities and Environmental Justice	3.0	_____
_____	ES 212 Macroeconomic Principles	3.0	EC 251 Principles of Macroeconomics
_____	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	_____

2-3 semester hours of elective courses at a 200 level or above:

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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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