

Lansing Community College - Aquinas College

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 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

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

TRANSFER EQUIVALENTS

<u>CITA126 MICROSOFT EXCEL</u>
<u>ISCI131 INTEGRATED PHYSICAL SCIENCE</u>

<u>ECON201 PRINCIPLES OF ECONOMICS-MICRO</u>
<u>GEOG221 PHYSICAL GEOGRAPHY</u>
<u>STAT170 INTRODUCTION TO STATISTICS</u>

<u>BIOL128 ORGANISMAL BIOLOGY</u>
<u>BIOL127 CELL BIOLOGY</u>

<u>BIOL203 MICROBIOLOGY & BIOL204</u>
<u>MICROBIOLOGY LABORATORY</u>

<u>CHEM151 GENERAL CHEMISTRY LECTURE I &</u>
<u>CHEM161 GENERAL CHEMISTRY LAB I</u>
<u>CHEM152 GENERAL CHEMISTRY LECTURE II</u>
<u>& CHEM162 GENERAL CHEMISTRY LAB II</u>
<u>CHEM251 ORGANIC CHEMISTRY LECTURE I &</u>
<u>CHEM272 ORGANIC CHEMISTRY</u>
<u>CHEM252 ORGANIC CHEMISTRY LECTURE II</u>
<u>CHEM262 QUANTITATIVE ANALYSIS</u>

_____	GY 385 Geographic Information systems-GIS	4.0
3 courses from the following:		
_____	GY 280 Geospatial Analysis	3.0
_____	GY 350 Climatology/Meteorology	4.0
_____	GY 352 Geomorphology	3.0
_____	GY 360 Biogeography	3.0
_____	GY 370 Geography of Water Resources	3.0

GEOG220 WEATHER, FORECASTING & CLIMAT

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

BIOL120 ENVIRONMENTAL SCIENCE

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

ECON202 PRINCIPLES OF ECONOMICS-MACRC

POLS240 INTRODUCTION TO PUBLIC POLICY

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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