

Lansing Community College - Aquinas College

BIOLOGY MAJOR

Bachelor of Science

As of fall 2021

Major Requirements: 57 semester hours. **At least 20 semester hours of Biology must be taken at Aquinas.** All majors must attend at least 12 science division presentations, complete 6 hours of biology-related service learning, and take the Major Field Test. A GPA of at least 2.0 must be maintained in Biology courses taken at Aquinas. Only courses with a grade of C- or better will count toward the major and only grades of C or better will count toward certification as a teacher.

AQUINAS REQUIREMENTS

Biology Requirements

_____	BY 170 Introduction to Organisms	4.0
_____	BY 171 Introduction to Cells	4.0
_____	BY 328 Genetics	5.0
_____	BY 350 Evolution	4.0
_____	BY 499 Senior Seminar	3.0

6 semester hours of Field Biology from the following

_____	BY 241 Ornithology	3.0
_____	BY 264 Plant Taxonomy	3.0
_____	BY 275 Aquatic Field Biology	3.0
_____	BY 352 Ecology	3.0

Biology Electives (10 semester hours, may include field courses in excess of the 6 required hours)

_____	BY 221 Anatomy & Histology of Vertebrat	4.0
_____	BY 231 Microbiology	4.0
_____	BY 324 Neuroscience	4.0
_____	BY 326 Cell Biology	4.0
_____	BY 341 Parasitology	2.0
_____	BY 361 Immunology	4.0
_____	BY 372 Physiology	4.0
_____	BY 375 Advanced Human Genetics	4.0

Chemistry Requirements

_____	CY 111 General Inorganic Chemistry	4.0
_____	CY 112 General Inorganic Chemistry	4.0
_____	CY 211 General Organic Chemistry	4.0
_____	CY 212 General Organic Chemistry	4.0

Computer Science Requirement:

_____	CS152 Spreadsheets	4.0
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Mathematics Requirement

_____	MS 114 College Algebra & Trigonometry or a higher level course	4.0
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Recommended Courses

_____	CY 325 Biochemistry	4.0
_____	MS 121 Calculus with Analytical Geom.	4.0

TRANSFER EQUIVALENTS

_____	BIOL128 ORGANISMAL BIOLOGY
_____	BIOL127 CELL BIOLOGY
_____	BIOL270 HUMAN GENETICS & BIOL275 MOLECULAR BIOLOG

_____	BIOL203 MICROBIOLOGY & BIOL204 MICROBIOLOGY LABOR
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_____	CHEM151 GENERAL CHEMISTRY LECTURE I & CHEM161 GENERAL CHEMISTRY LAB I
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_____	CHEM152 GENERAL CHEMISTRY LECTURE II & CHEM162 GENERAL CHEMISTRY LAB II
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_____	CHEM251 ORGANIC CHEMISTRY LECTURE I & CHEM272 ORGANIC CHEMISTRY LABORATORY
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_____	CHEM252 ORGANIC CHEMISTRY LECTURE II
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_____	CITA126 MICROSOFT EXCEL
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_____	MATH122 PRECALCULUS II or MATH126 ACCELERATED PRE-CALCULUS
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_____	MATH151 CALCULUS I or MATH161 HONORS CALCULUS I
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_____	MS 252	Statistics	3.0
_____	PC 201	Mechanics, Sound and Heat	4.0
_____	PC 202	Electricity, Magnetism & Light	4.0
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_____	PC 213	Mechanics, Sound, Heat w/calc	4.0
_____	PC 214	Electricity, Mag, Light w/calc	4.0

PHYS251 PHYSICS I WITH CALCULUS

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

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