

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. At least 12 science division presentations, complete 6 hours of biology-related service learning, and a minimum 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 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

TRANSFER EQUIVALENTS

_____	BI 152 Biologic
_____	BI 153 AND BI
_____	BI 151 Intro to
_____	_____
_____	_____
_____	_____

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

_____	_____
_____	_____
_____	BI 215

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

_____	BY 221 Anatomy & Histology of Vertebrates	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

_____	BI 127
_____	_____
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Computer Science Requirement

_____	CS 152 Spreadsheets	1.0
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_____	CIS 156
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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

_____	CHM 130 & 13
_____	CHM 140 & 14
_____	CHM 260 & 26
_____	CHM 270 & 27

Mathematics Requirement

_____	MS 114 College Algebra & Trigonometry or a higher level course	4.0
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_____	MA 131 Precal
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Recommended Courses

_____	CY 325 Biochemistry	4.0
_____	MS 121 Calculus with Analytical Geom.	4.0
_____	MS 252 Statistics	3.0
_____	PC 201 Mechanics, Sound and Heat	4.0
_____	PC 202 Electricity, Magnetism & Light	4.0
_____	or	
_____	PC 213 Mechanics, Sound, Heat w/calc	4.0
_____	PC 214 Electricity, Mag, Light w/calc	4.0

_____	_____
_____	MA133
_____	MA 215
_____	PH 125
_____	PH 126
_____	_____
_____	PH 245
_____	PH 246

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

ge - Aquinas College

Aquinas. All majors must attend at
least the Major Field Test. A GPA of
2.0 or better will count toward the

REQUIREMENTS

General Diversity OR

154 Plant/Animal Biology

Cells, Molecules, Genes

General Ecology

Microsoft Excel

1 (combined) Gen Chem 1 & Lab

1 (combined) Gen Chem 2 & Lab

1 (combined) Organic Chem 1 & Lab

1 (combined) Organic Chem 2 & Lab

Calculus

Calculus with Analytic Geometry 1

Statistics

College Physics 1

College Physics 2

Calculus Physics 1

Calculus Physics 2

irements and/or courses