

BIOLOGY MAJOR

Bachelor of Science

Fall 2017 - Summer 2018

Major Requirements: 36 semester hours in Biology and 20 semester hours in Chemistry/Math. At least 20 semester hours of biology must be taken at Aquinas. 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. All majors must attend at least 12 science division presentations, complete 6 hours of biology-related service learning, and take the Major Field Test.

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 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

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

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
_____	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

TRANSFER EQUIVALENTS

_____	_____ must have both BIOL 110 & BIOL 115
_____	_____ BIOL 121
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_____	_____ BIOL 201
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_____	_____ CHEM 220
_____	_____ CHEM 221
_____	_____ CHEM251
_____	_____ CHEM252

_____	_____ MATH 159
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_____	_____ MATH 250
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_____	_____ PHYS111
_____	_____ PHYS112

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.

