

Biochemistry & Molecular Biology Major

Bachelor of Science

As of January 2018

Name: _____

I.D. # _____

Major Requirements: 69 Semester Hours. At least 36 semester hours must be taken at Aquinas and a GPA of 2.0 must be maintained with no more than one C-. Minimum of C required in BY 170 & 171.

AQUINAS REQUIREMENTS

_____	BY 170	Introduction to Organisms	4.0
_____	BY 171	Introduction to Cells	4.0
_____	BY 328	Genetics	5.0
_____	BY 326	Cell Biology	4.0
_____	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 314	Physical Chemistry for the Life Sciences	3.0
_____	CY 325	Biochemistry	4.0
_____	CY 400	Undergrad Seminar / Research	1.0
_____	CY 401	Undergrad Seminar / Research	2.0
_____	BMB 305	Advanced Biochemistry and Molecular Biology	3.0
_____	BMB 315	Molecular Techniques	3.0
_____	PC 213	Mechanics, Sound, and Heat	4.0
_____	PC 214	Electricity, Magnetism and Light	4.0
_____	MS 121	Calculus with Analytic Geometry	4.0
			65.0

TRANSFER EQUIVALENTS

_____		must have both BIOL 110 & BIOL 115
_____	BIOL	121
_____	_____	_____
_____	_____	_____
_____	CHEM	220
_____	CHEM	221
_____	CHEM	251
_____	CHEM	252
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	PHYS	111
_____	PHYS	112
_____	MATH	250

Elective Courses: At least 4 semester hours chosen from these courses are required.

_____	BY 350	Evolution	4.0	_____	_____
_____	BY 361	Immunology	4.0	_____	_____
_____	BY 372	Physiology	4.0	_____	_____
_____	CY 346	Instrumental Methods of Analysis	4.0	_____	_____

All students are expected to participate in the seminar / lecture series sponsored by the division of Natural Science and Math. Attendance at a minimum of eight seminars is required.

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.