

2009-2010
Biology
Bachelor of Science

LIBERAL ARTS CORE

LAC 101	Freshman Foundations	3
LAC 102	Christianity & Critical Thinking	3
ENG 110	Effective Writing	3
COM 110	Public Speaking	3
HEA 140	Healthy Lifestyles	3
LAC 200	Global Perspectives	3
@ LAC 204 or 206	Global Perspectives Experience	0

LIBERAL ARTS ELECTIVES

Humanities

Choose 1 of the following: 3

FRE/SPA 100	Survival Language & Culture	(3)
FRE/SPA 101	Beginning Language & Culture	(3)
GRE/HEB 101	Greek or Hebrew	(3)
COM 213	Interpersonal Communication	(3)
BHS 251	American Multicultural Experience	(3)

(Refer to the Foreign Language & Culture section of the catalog for information on language placement testing.)

Choose 1 of the following: 3

ART 100	Art Appreciation	(3)
ART 220	Pottery I	(3)
MUL 100	Music Appreciation	(3)
MUL 102	Music Perspectives	(3)

Choose 1 of the following: 3

LIT 210	Literature of Mankind	(3)
LIT 213	English Literature I	(3)
LIT 214	English Literature II	(3)
LIT 220	American Literature I	(3)
LIT 221	American Literature II	(3)
LIT 324	Christian Classics	(3)
LIT 327	World Literature	(3)
LIT 328	Shakespeare	(3)

Natural Sciences

MAT ---	Any Math except MAT 010 or MAT 101	3
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Biblical Studies

BIB 105	Exploring the Bible	3
BIB 201	Scripture and Interpretation	3
BIB 330	Essential Doctrinal Themes	3

Social Sciences

Choose 1 of the following: 3

PSY 110	Introduction to Psychology	(3)
SOC 110	Introduction to Sociology	(3)

Choose 1 of the following: 3

BUS 221	Macroeconomics	(3)
BUS 243	Principles of Management	(3)
BUS 300	Personal Finance	(3)

Choose 1 of the following: 3

Any 100 or 200 level History - U.S./Western/World	(3)	
HIS 320	American Government	(3)
HIS 336	The Wild, Wild West	(3)
HIS 359	Ancient History	(3)
HIS 366	Renaissance and Reformation	(3)
HIS 375	The India of Gandhi	(3)
HIS 376	Britain and the World, Honors	(3)
HIS 440	Selected Topics	(3)

MAJOR REQUIREMENTS

Biology and related courses

BSC 101	General Biology I	4
BSC 105	General Biology Lab	0
@ BSC 102	General Biology II	4
@ BSC 106	General Biology II Lab	0
@ BSC 221	Plant Biology	4
@ BSC 223	Plant Biology Lab	0
@ BSC 222	Animal Biology	4
@ BSC 224	Animal Biology Lab	0
@ BSC 245	Biochemistry	3
@ BSC 265	Cell & Molecular Biology	3
@ BSC 321	Anatomy & Physiology I	4
@ BSC 322	Anatomy & Physiology I Lab	0
@ BSC 323	Anatomy & Physiology II	4
@ BSC 324	Anatomy & Physiology II Lab	0
@ BSC 353	Microbiology	4
@ BSC 354	Microbiology Lab	0
@ BSC 414	Genetics	3
@ BSC 402	Senior Seminar	3
@ ENB 211	General Ecology	4
@ ENB 212	General Ecology Lab	0

Biology Elective

BSC 218	Nutrition	(3)
BSC 240	Biochemistry Lab	(1)
BSC 381-3	Reading in Biological Science	(1-3)
BSC 391-3	Independent Study in Bio Science	(1-3)
BSC 481-3	Research in Biological Science	(1-3)
BSC 410	Genetics Lab	(3)
SCI 116	Theories of Origins	(3)
---	Au Sable Institute Courses	(3-4)

MINOR REQUIREMENTS

Biology Majors Must Complete a Chemistry Minor

CHM 111	General Chemistry I	4
CHM 113	General Chemistry Lab	0
@ CHM 112	General Chemistry II	4
@ CHM 114	General Chemistry II Lab	0
@ CHM 211	Organic Chemistry I	4
@ CHM 213	Organic Chemistry I Lab	0
@ CHM 212	Organic Chemistry II	4
@ CHM 214	Organic Chemistry Lab	0
@ BSC 245	Biochemistry	3

Other Required Sciences

@ PHY 201	Physics I	4
@ PHY 203	Physics I Lab	0
@ PHY 202	Physics II	4
@ PHY 204	Physics II Lab	0

Math Elective +

@ MAT 118	Mathematical Models	(3)
MAT 121	Calculus I	(3)
@ MAT 122	Calculus II	(3)
@ MAT 223	Calculus III	(3)
MAT 320	Probability & Statistics	(3)

Major Hours: 44

Minor Hours: 19

Other Sciences: 11

Total Hours: 74

+In addition to 3 hours of General Education Math.
To be eligible for graduation, each student must have a 2.2 GPA in his/her major, and an accumulative GPA of 2.0. It is the student's responsibility to monitor this requirement.

@ Indicates a course with prerequisites.
Please see catalog for prerequisites.