

BACHELOR OF SCIENCE

Liberal Arts Biology

Name _____

120 hours minimum for graduation with a 2.00 average overall
56 Hours from a four year institution

General Studies

Course	Title	Hrs	Sem	CR	QPts
UNIV 100	University 100	1			
English					
ENGL 101	Composition and Rhetoric I	3			
ENGL 102	Composition and Rhetoric II	3			
ENGL 203	World Literature I	3			
ENGL 204	World Literature II	3			
Communication Arts					
CART 101	Fundamentals of Speech	3			
The Arts – Choose two courses					
ART 101A	Introduction to Visual Arts	3			
MUS 101A	Introduction to Music	3			
CART 102	Introduction to Theatre	3			
Physical Education					
PED 101M	Personal Wellness	2			
Social Sciences					
Four courses with at least three disciplines represented.					
Foreign Language – Recommended					
Two courses may be substituted for any two general studies courses except ENGL 101 & 102 and Math. Only ONE substitution per discipline.					

General Studies Mathematics and Laboratory Science requirements will be fulfilled by the major.

RESIDENCE CREDIT:

- 36 Hours at Concord
- 16 of last 32 hours at Concord
- 9 Hours in Major, Teaching Fields

****Should be taken in May or June following Junior year.**

Biology Liberal Arts (2.00 GPA required)

Course	Title	Hrs	Sem	CR	QPts
Freshman Fall Semester					
BIOL 101	General Biology I	4			
CHEM 101	General Chemistry I	3			
CHEM 111	General Chemistry Lab I	1			
MATH 103	College Algebra <i>(prerequisite for classes)</i>	3			
Freshman Spring Semester					
BIOL 102	General Biology II	4			
CHEM 102	General Chemistry II	3			
CHEM 112	General Chemistry Lab II	1			
MATH 104	College Trigonometry <i>(prerequisite for classes)</i>	3			
Sophomore Fall Semester					
BIOL 201	Ecology	4			
CHEM 331	Organic Chemistry I	4			
MATH 105	Elementary Statistics	3			
Sophomore Spring Semester					
BIOL 202	Animals as Organisms	4			
CHEM 332	Organic Chemistry II <i>(Recommended)</i>	4			
MATH 250	Calculus w/ Analytic Geometry <i>(Recommended)</i>	4			
Junior Fall Semester					
BIOL 302	Cell & Molecular Biology	4			
PHYS 101	Introduction to Physics <i>*may sub. 201 in spring</i>	4			
Junior Spring Semester					
BIOL 401	Genetics	4			
PHYS 102	Intermediate Physics <i>*may sub. 202 in fall</i>	4			
** Take Graduate/Professional School Entrance Exam					
Senior Fall Semester					
BIOL 301	Plants	4			
BIOL 455	Biology Capstone <i>*may substitute 452 & 453</i>	2			
Additional Courses – may be inserted in any semester					
16 hours science electives (at least 8 hrs in Biology) (MATH 101, 103, & 104 excluded)					

English Placement

Test Cut-Offs	ENGL 090	ENGL 101
ACT	<18	≥18
SAT	<450	≥450

Math Placement

Test Cut-Offs	MATH 090/091 (Compass test)	MATH 103	MATH 104	MATH 250
ACT	<19	≥19	≥25	≥28
SAT	<460	≥460	≥580	≥630

Social Science Elective Choices

ECON 201: Macroeconomics
ECON 202: Microeconomics
GEOG 101: World Cultural Geography
GEOG 200: Physical Geography
GEOG 250: Regional Studies
HIST 101: History of Civilization to 1600
HIST 102: History of Civilization from 1600
PHIL 101: History of Ideas I

PHIL 102: History of Ideas II
POSC 101: Political Science
POSC 104: American Federal Government
PSY 101: General Psychology
PSY 200: Basic Learning
SOC 101: People and Environment
SOC 310: Cultural Anthropology

Biology Electives

BIOL 215: Medicinal Plants (S-odd)
BIOL 225: Special Topics
BIOL 230: Ornithology (S-odd)
BIOL 231: Herpetology (F-odd)
BIOL 235: Human Anatomy & Physiology I (S)
BIOL 237: Human Anatomy & Physiology II (F)
BIOL 250: Medical Terminology (F and Sum)
BIOL 260: Local Flora (S-even)
BIOL 315: Freshwater Ecology (S-even)
BIOL 330: Microbiology (S)
BIOL 370: Evolution (F- even)
BIOL 373: Research
BIOL 375: Biology Shadowing/Internship (F & S)
BIOL 420: Immunology (F)
BIOL 425: Special Topics

Chemistry Electives

CHEM 210: Chemical Lab Safety (F)
CHEM 347: Biochemistry (F)
CHEM 351: Analytical Chemistry (F)
CHEM 352: Instrumental Analysis (S)
CHEM 357: Analytical Chemistry Lab (F)
CHEM 358: Instrumental Analysis Lab (S)

Natural Science Electives

NSC 300C: Biogeography (S-odd)
NSC 300D: Science and Religion (F-odd)
NSC 300E: Human Genetics (F-odd)
NSC 325: Teaching Assistantship