

Biological Sciences Major (Associate of Science)

64 credits for degree

Requirements for students entering 2017-2018

NAME: _____

ADVISOR: _____

Discovery Foundations				
Description	Course Selection	Source	Credits/ Grade	Notes
ENGL 401: First Year Writing	ENGL 401			Must be completed within the first 32 credits
Select one writing-intensive course (WI)				
Select one course in quantitative reasoning (QR)				Must be completed within the first 32 credits
Select one Inquiry or Inquiry attribute course (INQ)				Must be completed within the first 25 credits

Discovery Categories				
Description	Course Selection	Source	Credits/ Grade	Notes
Select 2 of the following courses: Biological Science (BS) Physical Science (PS) Environment, Technology and Society (ETS)				One course must include a lab.
				Two courses chosen from two different categories.
Historical Perspectives (HP)				
World Culture (WC) or Fine and Performing Arts (FPA)				
Social Science (SS)				
Humanities (HUMA)	HUMA 411/412			

Interdisciplinary Core Requirement				
Description	Course Selection	Source	Credits/ Grade	Notes
Select 1 of the following courses: HUMA 411: Humanities I (WI) HUMA 412: Humanities II (WI)				May also fill the HUMA Discovery requirement

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STUDENTS MUST SELECT THE BIOLOGY TRACK OR MICROBIOLOGY TRACK

Biology Track Required Courses (47 credits)			
Description	Source	Credits/Grade	Notes
Select one of the following courses: MATH 425: Calculus I MATH 424B: Calculus for Life Sciences			
PSYC 402: Statistics in Psychology			Other statistics courses such as BIOL 528 Applied Biostatistics I or BUS 430 Introduction to Business Statistics may be used to satisfy this requirement. Please consult your academic advisor.
BIOL 413: Principles of Biology I			
BIOL 414: Principles of Biology II			
CHEM 403: General Chemistry I			
CHEM 404: General Chemistry II			
BMS 503: General Microbiology AND BMS 504: General Microbiology Laboratory			
CHEM 545: Organic Chemistry AND CHEM 546: Organic Chemistry Laboratory			
BMCB 658: General Biochemistry AND BMCB 659: General Biochemistry Laboratory			
BIOL 541: General Ecology (WI)			
GEN 604: Principles of Genetics			

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Microbiology Track Required Courses (53 credits)

Description	Source	Credits/Grade	Notes
Select one of the following courses: MATH 425: Calculus I MATH 424B: Calculus for Life Sciences			
PSYC 402: Statistics in Psychology			Other statistics courses such as BIOL 528 Applied Biostatistics I or BUS 430 Introduction to Business Statistics may be used to satisfy this requirement. Please consult your academic advisor.
BIO 413: Principles of Biology I			
BIO 414: Principles of Biology II			
CHEM 403: General Chemistry I			
CHEM 404: General Chemistry II			
BMS 503: General Microbiology AND BMS 504: General Microbiology Laboratory			
CHEM 545: Organic Chemistry AND CHEM 546: Organic Chemistry Laboratory			
BMCB 658: General Biochemistry AND BMCB 659: General Biochemistry Laboratory			
GEN 604: Principles of Genetics			
BMS 601: Bacteriology of Food			
BMS 602: Pathogenic Microbiology AND BMS 603: Pathogenic Microbiology Laboratory			

Program Notes:

- All students must have at least a 2.0 cumulative GPA in order to graduate.
- 300-level courses do not count toward graduation from a bachelor degree.
- Senior Residency: Students must complete their last 16 credits of the degree at UNH.
- Students preparing for professional or graduate programs may need to take CHEM 651/652: Organic Chemistry I/II and CHEM 653/654: Organic Chemistry Lab. These courses may substitute for CHEM 545/546: Organic Chemistry and Lab and BMCB 658/659: General Biochemistry and Lab. Please consult your academic advisor.
- Students may take any undergraduate courses as electives in order to earn a minimum of 64 credits.