



# Holy Cross College

## Biology - Major Requirements & Tracking Worksheet



For students with less than 24 transferrable credits

The following worksheet lists courses needed to fulfill requirements to graduate with a **Biology** major. In addition, keep in mind you will need to complete the Holy Cross College Core Requirements for graduation.

\*Courses can be applied to both- major and core requirements.

Course	Credits	Grade	Semester /Year <small>Completed or Plan to Complete</small>
<b><i>Required Major Courses 50 credits</i></b>			
*MATH 151 Calculus 1	4		
*BIOL 151 Principles of Biology I	4		
BIOL 152 Principles of Biology II	4		
BIOL 255 Human Anatomy	4		
BIOL 256 Physiology	4		
BIOL 309 Genetics	4		
BIOL 312 Microbiology	4		
*CHEM 151 Principles of Chemistry I	4		
CHEM 152 Principles of Chemistry II	4		
CHEM 211 Organic Chemistry I	4		
CHEM 212 Organic Chemistry II	4		
PHYS 151 Physics for Science I	3		
PHYS 152 Physics for Science II	3		
<b>MAJOR CREDIT TOTAL</b>	<b>50</b>		
<b><i>Required Major Elective Courses 16 credits</i></b>			
Choose minimum <u>16 credit hours</u> of electives. Must include <u>two 100-200 level</u> and <u>two 300-400 level</u> courses. Other biology elective courses could be completed through the NICE program, or at Notre Dame if a student has a 3.0 GPA or higher. Advanced approvals needed.			
BIOL 211 Botany + Lab	4		
BIOL 235 Bioinformatics	2		
BIOL 308 Molecular Biology	3		
BIOL 311 Plant Physiology	4		
BIOL 315 Ecology	4		
BIOL 409 Biology Research/Independent Study	3		
BIOL 460 Molecular Biology Methods	3		
<b>MAJOR ELECTIVE CREDIT TOTAL</b>	<b>16</b>		
<b><i>Open Elective Courses 5 credits</i></b>			
<b>Open Electives:</b> Minimum 5 credits of Holy Cross College courses and/or transfer courses	5		
<b>BIOLOGY REQUIREMENTS CREDIT TOTAL</b>	<b>71</b>		
<b>HOLY CROSS COLLEGE CORE REQUIREMENTS CREDIT TOTAL</b>	<b>49</b>		
<b>MINIMUM CREDITS REQUIRED FOR GRADUATION</b>	<b>120</b>		