

RECOMMENDED COURSE SCHEDULE FOR BIOLOGY MAJORS (Biological Tools and Techniques Concentration)		
FALL	WINTER	SPRING
<b>FIRST YEAR</b>		
<b>BIOL 1001 – Introductory Biology I</b>	<b>BIOL 1002 - Introductory Biology II</b>	
CHEM 1050	CHEM 1051	
ENGL 1090	Critical Reading and Writing (CRW) Course*	
MATH 1090 (or 1000)	MATH 1000 (or general elective)	
PHYS 1020	PHYS 1021	
<b>SECOND YEAR</b>		
<b>BIOL 2250 - Genetics</b>	<b>BIOL 2060 – Cell Biology</b>	
<b>BIOL 2600 - Ecology</b>	<b>BIOL 2900 - Evolution</b>	
CHEM 2400	BIOC 2201	
STAT 2550	CHEM 2401	
General elective	General elective	
<b>THIRD YEAR</b>		
BIOL elective ( <i>3050 - Microbiology</i> )	BIOL elective (2210 - Vertebrates)	
<i>BIOL elective (4605 – Quantitative Biology)</i>	<i>BIOL elective (4607 – Models in Biology)</i>	
General elective	General elective	
General elective	General elective	
General elective	General elective	
<b>FOURTH YEAR</b>		
<i>BIOL elective (3951 - Bioinformatics)</i>	<i>BIOL elective (4270 – History of Biology)</i>	
<b>BIOL 3401**</b>	<i>BIOL elective (4606 - Bioinformatics – Biological Data Analysis)</i>	
BIOC 3206	BIOL elective (4630 - Mammalogy)	
General elective	General elective	
General elective	General elective	

**Please note that the above schedule is a template and can be modified on an individual basis.**

Students selecting a Biological Tools and Techniques concentration are required to complete 18 credit hours from the following courses: Biology

3050, 3709, 3950, 3951, 4270, 4360, 4405, 4605, 4606, 4607, 4710, 4770, 4810, 4820

Students are strongly encouraged to schedule a meeting with the Biology Academic Program Officer regarding BIOL elective selection to ensure the appropriate pre-requisites are completed in the correct order.\*\* Students must complete at least one core physiology course. Students may choose from BIOL 3401 (Animal Physiology), 4245 (Biophysics), 3402 (Plant Physiology) or 4404 (Microbial Physiology). BIOL 3401 and 4245 are usually offered in Fall semesters, while 3402 and 4404 are offered in Winter semesters.