


Program Curriculum Map  
2012-13

Program: BIOLOGY					
Program Student Learning Goals <i>Successful graduates from this program will.....</i>  	<i>Understand general principles of biology, including:</i>  a. <i>Critical thinking and the process of scientific inquiry;</i> b. <i>Mechanisms of evolutionary change in populations;</i> c. <i>Biological structure and processes at the molecular, cellular, tissue, organ system, organism, population, community, and ecosystem levels;</i> d. <i>Statistical analyses and graphical presentation of data; and</i> e. <i>Nature and importance of biodiversity.</i>	<i>be proficient in research and technical skills including experimental design, microscopy, molecular techniques, basic biochemical analyses, dissection, and computer use.</i>	<i>have skills in oral and written scientific presentation and the critical analysis and use of the biological primary literature.</i>	<i>integrate skills that collectively promote scholarship, responsible citizenship, and lifelong learning.</i>	<i>*Foundation Course</i>
BIO 211	I R	I R	I	I	F
BIO 212	I R	I R	I	I	F
BIO 231	I R M	I R	I R	I R	
BIO 232	I R M	I R	I R	I R	
BIO 321	R	R	R	R	
BIO 327	R	R	R	R	
BIO 323	R	R	R	R	
BIO 329	R	R	R	R	
BIO 322	R	R	R	R	
BIO 324	R	R	R	R	
BIO 325	R	R	R	R	
BIO ELECTIVES	R M	R M	R M	R M	
BIO SENIOR EXPERIENCES	R M	R M	R M	R M	
CHE 211					F
CHE 212					F
PHY 151,152 or 261. 262					F
MAT 112, PSY/SOC 211 or MAT 201					F
<b>Curriculum Map Key</b>  Place a letter in the appropriate box where the program goal is Introduced, Reinforced, and/or Mastered. <b>I</b> = Introduced; program student learning goal is introduced <b>R</b> = Reinforced; provide practice opportunities for the program student learning goal <b>M</b> = Mastered; demonstrated mastery of the program student learning goal. <i>Some courses may have two letters (I/R or R/M) or all three (I/R/M)</i> <b>*Foundation Course</b> A course that provides base skills needed to be successful in the program. <b><i>Programs may not require or have foundation courses; it will vary from program to program.</i></b>					