

**Course Requirements for Secondary Certification
Major and Endorsement in Biology (DA)**

Course Title	Course Number	Sem. Hours	Secondary		Additional Endorsement
			Major	Minor	
Basic Life Diversity	BIO1500	4	X	X	X
Basic Life Mechanisms	BIO1510	4	X	X	X
Introductory Microbiology	BIO2200	4	X	X	X
Intro to Cell Biology	BIO2600	3	X		
Anatomy and Physiology	BIO2870	5	X	X	X
Genetics	BIO3070	4	X	X	X
Ecology	BIO4130	4	X	X	X
Evolution	BIO4200	3	X	X	X
Developmental Biology	BIO5620	3	X		
Total Number of SEMESTER HOURS <u>required</u> for each option offered:			34	23	28
Additional Science Courses Required					
Chem Struct, Bond, & React	CHM1220 CHM1230	5	X		
Laboratory Safety	CHM6740	2	X	X**	X**
Science of the Earth	GEL1010	4	X		
General Physics	PHY2130 PHY2131	4	X		
Math Courses Required:					
Calculus I	MAT2010	4	X		
Elem. Probab. & Statistics	MAT2210	4	X		
Elementary Functions	MAT1800	4		X	X
Total Number of SEMESTER HOURS <u>required</u> for each option offered:				**if not taken under minor	**if not taken under major