

BS Biology Curriculum Grid

Term: Fall 1		Term: Spring 1	
Course Number & Title	Cr	Course Number & Title	Cr
BIO111: General Biology I	4	BIO121: General Biology II	4
CHE111: General Chemistry I	4	CHE121: General Chemistry I	4
COM115: Principles of Communications	3	HUMXXX: Humanities Selective	3
HUM115: Voice and Identity	3	MAT121: Calculus I	4
Term credit total:	14	Term credit total:	15
Term: Fall 2		Term: Spring 2	
Course Number & Title	Cr	Course Number & Title	Cr
CHE211: Organic Chemistry I	4	CHE221: Organic Chemistry II	4
PHY212: College Physics I	4	PHY222: College Physics II	4
PSY101: General Psychology	3	MAT145: Elementary Statistics	3
HUMXXX: Humanities Selective	3	SOC101: Introduction to Sociology	3
		Elective 1	3
Term credit total:	14	Term credit total:	17
Term: Fall 3		Term: Spring 3	
Course Number & Title	Cr	Course Number & Title	Cr
BIO210: Microbiology	4	BIO235: Cell Biology	3
BIO258: Genetics	3	BIO236: Cell Biology Lab	1
BIOXXX: Principles of Ecology & Evolution	3	BIOXXX: Developmental Biology	3
PSC311: Biochemistry	3	PSC312: Molecular Biology	3
Elective 2	3	Elective 3	3
		Elective 4	3
Term credit total:	16	Term credit total:	16
Term: Fall 4		Term: Spring 4	
Course Number & Title	Cr		Cr
BIO213: Anatomy and Physiology I	3	BIO215: Anatomy and Physiology II	3
BIO214: Anatomy and Physiology I Lab	1	BIO216: Anatomy and Physiology II Lab	1
PSC315: Immunology	3	Biology Selective 2	3
Biology Selective 1	3	Biology Selective 3	3
Scientific Communication	3	Elective 6	3
Elective 5	3		
Term credit total:	16	Term credit total:	13

Program Requirements

Number	Name	Credits	Status
GENERAL EDUCATION (60 credits)			
Science and Math (39 credits)			
BIO 111	General Biology I	4	Existing
BIO 121	General Biology II	4	Existing
CHE111	General Chemistry I	4	Existing
CHE 121	General Chemistry II	4	Existing
MAT 111	Calculus I	4	Existing
MAT 145	Elementary Statistics	3	Existing
CHE 211	Organic Chemistry I	4	Existing
CHE 221	Organic Chemistry II	4	Existing
PHY 212	College Physics I	4	Existing
PHY 222	College Physics II	4	Existing
Humanities and Social Sciences (15 credits)			
HUM 115	Voice and Identity	3	Existing
HUM 1XX	Humanities Methods and Approaches Selective	3	Existing
HUM 2XX	Science and Health through the Humanities Lenses Selective	3	Existing
PSY 101	General Psychology	3	Existing
SOC 101	Introduction to Sociology	3	Existing
Communication (6 credits)			
COM115	Principles of Communication	3	Existing
BIO 253	Scientific Communication	3	Existing
FREE ELECTIVES (selected from courses classified as Liberal Arts and Sciences)		18	Existing
Core Courses (34 credits)			
BIO 258	Genetics	3	Existing
BIO 210	Microbiology	4	Existing
BIO 213	Anatomy and Physiology I	3	Existing
BIO 214	Anatomy and Physiology Lab	1	Existing
BIO 215	Anatomy and Physiology II	3	Existing
BIO 216	Anatomy and Physiology II Lab	1	Existing
BIO 235	Cell Biology	3	Existing
BIO 236	Cell Biology Lab	1	Existing
PSC 311	Biochemistry	3	Existing
PSC 312	Molecular Biology	3	Existing
PSC 315	Immunology	3	Existing
BIO XXX	Principles of Ecology and Evolution	3	New
BIO XXX	Developmental Biology	3	New

Biology Elective Courses (9 credits)			
BIO 290	Independent Study	1-6	Existing
BIO 345	Journal Club	1	Existing
PBH 350	Epidemiology	3	Existing
BIO 490	Independent Study	1-6	Existing
BIO 625	Advanced Molecular Biology	3	Existing
BIO 630	Advanced Cell Biology	3	Existing
BIO 740	Genetics and Molecular Basis of Disease	3	Existing
BIO XXX	Biology Internship	1-6	New
TOTAL CREDITS	General Education (60), Free Electives (18), Required Majors Courses (43)	121	