

# Bachelor of Science in Biology

## Secondary Education Emphasis

### 2015 - 2016



GENERAL EDUCATION & INSTITUTIONAL REQUIREMENTS						Minimum 30 credits	
	Requirement	Course	CR	Prerequisites & Notes	Grade	Semester	
<input type="checkbox"/>	Computer Literacy	CIS 1200 <i>or</i> CIS 1201 <i>or</i> (CS 1400 and CS 1410)	0-6				
<input type="checkbox"/>	English	ENGL 1010 <i>or</i> ENGL 1010A <i>or</i> ENGL 1010D	0-4	English and Reading plcmnt scores; pre/corequisite LIB 1010			
<input type="checkbox"/>	English	ENGL 2010 <i>or</i> ENGL 2010A	3	ENGL 1010/A/D (C or higher) or ACT $\geq$ 28; pre/corequisite LIB 1010			
<input type="checkbox"/>	Information Literacy	LIB 1000 <i>or</i> LIB 1010	0-1	English placement score for class			
<input type="checkbox"/>	Mathematics		3-5	Math placement score or MATH prerequisite			
<input type="checkbox"/>	American Institutions	HIST 1700 <i>or</i> POLS 1100	3	<b>program requirement</b>			
<input type="checkbox"/>	Life Sciences		3-10				
<input type="checkbox"/>	Physical Sciences		3-5				
<input type="checkbox"/>	Laboratory Science		0-1				
<input type="checkbox"/>	Fine Arts		3				
<input type="checkbox"/>	Literature / Humanities		3				
<input type="checkbox"/>	Social & Behavioral Sciences	FCS 1500 <i>or</i> PSY 1010/1010A <i>or</i> PSY 1100	3	<b>program requirement</b>			
<input type="checkbox"/>	Exploration		3-5	3-5 credits, prefix not used in other GE			
<input type="checkbox"/>	Global & Cultural Perspectives		0-3	- Complete two with different prefixes			
<input type="checkbox"/>	Global & Cultural Perspectives		0-3	- Can share credit with other GE			
<b>OR</b>							
<input type="checkbox"/>	Associate of Arts or Associate of Science degree		Date:		USHE?	Y / N	
RECOMMENDED ELECTIVE							
	Course Number	Description	CR	Prerequisites & Notes	Grade	Semester	
<input type="checkbox"/>	BIOL 1001	FYE: Biology	1				
BIOLOGY PROGRAM REQUIREMENTS						14 credits	
<input type="checkbox"/>	CHEM 1210/15	Principles of Chemistry I / Lab	4/1	MATH 1050 (grade $\geq$ C) or plcmnt score			
<input type="checkbox"/>	CHEM 1220/25	Principles of Chemistry II / Lab	4/1	CHEM 1210/15 (grade $\geq$ C)			
<input type="checkbox"/>	MATH 1050	College Algebra / Pre-Calculus	4	MATH 1000 ( $\geq$ C) or plcmnt score			
BIOLOGY CORE REQUIREMENTS						34 credits	
<input type="checkbox"/>	BIOL 1610/15 <i>or</i> BIOL 1610A/15A	Principles of Biology I / Lab <i>or</i> Honors Principles of Biology I / Lab	4/1	GE: Life Sciences; GE: Laboratory Science			
<input type="checkbox"/>	BIOL 1620/25 <i>or</i> BIOL 1620A/25A	Principles of Biology II / Lab <i>or</i> Honors Principles of Biology II / Lab	4/1	BIOL 1610/15 or BIOL 1610A/15A (both $\geq$ C)			
<input type="checkbox"/>	BIOL 2320/25 <i>or</i> BIOL 3140/45	Human Anatomy / Lab <i>or</i> Comparative Vertebrate Anatomy/Lab	3/2	See Catalog for prerequisites			
<input type="checkbox"/>	BIOL 2420/25 <i>or</i> BIOL 4500/05	Human Physiology / Lab <i>or</i> Comparative Vertebrate Physio / Lab	3/1	See Catalog for prerequisites			
<input type="checkbox"/>	BIOL 3010	Evolution	3	BIOL 1620/25 or BIOL 1620A/25A (both $\geq$ C)			
<input type="checkbox"/>	BIOL 3030	Molecular Genetics	4	BIOL 1620/25 or BIOL 1620A/25A (both $\geq$ C)			
<input type="checkbox"/>	BIOL 3040/45	General Ecology / Lab	4	BIOL 1620/25 or BIOL 1620A/25A (both $\geq$ C)			
Complete <i>one (1)</i> of the following sets of courses:							
<input type="checkbox"/>	BIOL 3450/55 <i>or</i> BIOL 3550/55	General Microbiology / Lab <i>or</i> Eukaryotic Cell Biology / Lab	3/1	BIOL 3010, 3030; CHEM 2310/15 (all $\geq$ C)			

REQUIRED BIOLOGY ELECTIVES						7-8 credits	
	Course Number	Description	CR	Prerequisites & Notes	Grade	Semester	
<input type="checkbox"/>	BIOL 2400/05	Plant Kingdom / Lab	3/1				
Complete <i>one (1)</i> of the following sets of Zoology courses:							
<input type="checkbox"/>	BIOL 3200/05	Invertebrate Zoology / Lab	3/1	BIOL 3010, BIOL 3030 (all ≥C)			
	BIOL 4230/35	General Parasitology / Lab	3/1	BIOL 3010, BIOL 3030 (all ≥C)			
	BIOL 4260/65	Herpetology / Lab	2/1	BIOL 3150/55 (both C or higher)			
	BIOL 4270/75	Ichthyology / Lab	2/1	BIOL 3150/55 (both C or higher)			
	BIOL 4350/55	Animal Behavior / Lab	3/1	BIOL 3010, BIOL 3030, BIOL 3040/45 (all ≥C)			
	BIOL 4380/85	Ornithology / Lab	2/1	BIOL 3010, BIOL 3030, BIOL 3040/45 (all ≥C)			
	BIOL 4411/15	Mammalogy / Lab	3/1	BIOL 3010, BIOL 3030, BIOL 3040/45 (all ≥C)			
	BIOL 4440/45	General Entomology / Lab	3/1	BIOL 3150/55 (Grade C or higher)			
LAB SAFETY CERTIFICATION REQUIREMENT							
<input type="checkbox"/>	SCI 2600	Lab Safety for Teachers	1				
SECONDARY EDUCATION PROGRAM PREREQUISITE COURSES						15 credits	
<input type="checkbox"/>	EDUC 1010	Intro to Education	3				
<input type="checkbox"/>	EDUC 2010	Intro to Exceptional Learners	3				
<input type="checkbox"/>	EDUC 2400	Foundations of Multicultural & ESL	3	GE: GLOCUP			
<input type="checkbox"/>	EDUC 2500	Tech / Educ. / Electronic Portfolio	3				
<input type="checkbox"/>	EDUC 3110	Educational Psychology	3	FCS 1500 <i>or</i> PSY 1010/A <i>or</i> PSY 1100			
SECONDARY EDUCATION PROFESSIONAL REQUIREMENTS (Admission to DSU SET program required)						21 credits	
To be admitted to the SET program and enroll in professional courses, candidates must maintain a cumulative university GPA of 3.0, and receive a C or better in all education related courses and major required content courses. Students must pass the appropriate PRAXIS II Content Knowledge Test(s). In addition, one of the following must be completed:							
* Students with BA/BS degrees in progress must have completed at least 95% of major coursework and have approval of major academic content area department advisor							
* Students with completed BA/BS or higher degrees must have their transcripts reviewed by their content area department advisor							
Semester I							
<input type="checkbox"/>	BIOL 4130 <i>or</i> SCI 4700	Biology Teaching Methods <i>or</i> Secondary Science Teaching Methods	3				
<input type="checkbox"/>	SCED 3720	Reading / Writing in Content Areas	3				
<input type="checkbox"/>	SCED 4100	Curriculum, Instruction, Assessment	3				
<input type="checkbox"/>	SCED 4600	Classroom Management	3				
Semester II							
<input type="checkbox"/>	SCED 4900	Secondary Student Teaching	10	Corequisite SCED 4989			
<input type="checkbox"/>	SCED 4989	Student Teacher Seminar	2	Corequisite SCED 4900			
GRADUATION REQUIREMENTS							
<input type="checkbox"/> Subtract duplicated and developmental (0990 and below) credits							
<input type="checkbox"/> Minimum 120 college-level credits (1000 and above)							
<input type="checkbox"/> At least 40 upper-division credits (3000 and above)							
<input type="checkbox"/> At least 30 upper-division credits at DSU for institutional residency							
<input type="checkbox"/> Grade C or higher in all education related courses and major required content courses							
<input type="checkbox"/> 3.0 GPA in program prerequisite and professional Education and Secondary Education courses							
<input type="checkbox"/> Cumulative university GPA 3.0 or higher							