



Student Progress Checklist

Student ID# _____

**FOR ADVISING PURPOSES ONLY
SEE COLLEGE CATALOG FOR DEGREE REQUIREMENTS**

The Bachelor of Science in Biology Secondary Education with Integrated Science degree has seven basic curricular components: (a) the lower-division, general education requirements, excluding chemistry, physics, and math, which are included in degree requirements (22 credits); (b) the chemistry, physics, and math requirements (20 credits); (c) the biology major core courses (29 credits); (d) the upper-division biology elective courses (6-8 credits); (e) a lab safety certification course (1 credit); and (f) additional courses to meet the requirements for the integrated science endorsement (11 credits); and (g) the secondary education teaching (SET) requirements (39 credits).

General Education Requirement – complete the college General Education requirements or the equivalent (other than chemistry, physics, and math).

	Credits	Prerequisites and Notes
TOTAL GENERAL EDUCATION CREDITS, OTHER THAN CHEMISTRY, PHYSICS, AND MATH	22	Fulfill the social science requirement with either PSY 1100 (Human Development Across the Lifespan) or FCS 1500 (Human Development)

Chemistry, Physics, and Math Courses – complete the following courses:

	Credits	Prerequisites and Notes
<input type="checkbox"/> CHEM 1210, Principles of Chemistry I	4	Co/Prereq: Math 1050 or Math 1065
<input type="checkbox"/> CHEM 1215, Principles of Chemistry I Lab	1	
<input type="checkbox"/> CHEM 1220, Principles of Chemistry II	4	Chem 1210 & 1215
<input type="checkbox"/> CHEM 1225, Principles of Chemistry II Lab	1	
<input type="checkbox"/> MATH 1065, Precalculus/Trigonometry	5	Math 1010 with an earned grade of B or better
<input type="checkbox"/> PHYS 2010, College Physics I	4	Prereq: Math 1065 (preferred) or Math1060; Students may also fill the physics requirement by taking PHYS 2210, Engineering Physics I
<input type="checkbox"/> PHYS 2015, College Physics I Lab	1	Students may also fill this requirement by taking PHYS 2215, Engineering Physics I Lab
TOTAL CHEMISTRY, PHYSICS AND MATH CREDITS	20	Must achieve a grade of "C" or higher in each course ("C-" does not count)



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Biology Major Core Courses – complete the following core biology courses:

	Credits	Prerequisites and Notes
<input type="checkbox"/> BIOL 1610, Principles of Biology I	4	ACT Reading = 19, OR Engl 1470
<input type="checkbox"/> BIOL 1615, Principles of Biology I Lab	1	
<input type="checkbox"/> BIOL 2030, Principles of Genetics	4	Math 1010; Biol 1610
<input type="checkbox"/> BIOL 2220, General Ecology	3	Biol 1610 or instructor permission
<input type="checkbox"/> BIOL 2225, General Ecology Lab	1	
<input type="checkbox"/> BIOL 2400, Plant Kingdom	3	Biol 1610
<input type="checkbox"/> BIOL 2405, Plant Kingdom Lab	1	
<input type="checkbox"/> BIOL 2420, Human Physiology	3	Biol 1610
<input type="checkbox"/> BIOL 2425, Human Physiology Lab	1	
<input type="checkbox"/> BIOL 3010, Biological Evolution	3	Biol 2030
<input type="checkbox"/> BIOL 3020, Principles of Cell Biology and <input type="checkbox"/> BIOL 3025, Principles of Cell Biology Lab, or	4	Biol 1610; Chem 1220
<input type="checkbox"/> BIOL 3450, General Microbiology and <input type="checkbox"/> BIOL 3455, General Microbiology Lab		Biol 1610; CHEM 2310 or instructor permission
TOTAL BIOLOGY MAJOR CORE CREDITS	28	Must achieve a grade of "C" or higher in each course ("C-" does not count)

Upper-Division Biology Elective Courses – complete a number of courses that includes the following:

	Credits	Prerequisites and Notes
One botany course with lab chosen from the following:	3-4	
<input type="checkbox"/> BIOL 3340/3345: Plant Anatomy with lab		Biol 1610, Biol 2400
<input type="checkbox"/> BIOL 4200/4205: Plant Taxonomy with lab		Biol 1610, Biol 2400
<input type="checkbox"/> BIOL 4600/4605: Plant Physiology with lab		Biol 1620, Biol 2400; Chem 1220
One zoology course with lab chosen from the following:	3-4	
<input type="checkbox"/> BIOL 3140/3145: Comparative Vertebrate Anatomy with lab		Biol 1620, (Biol 3150 recommended)
<input type="checkbox"/> BIOL 3200/3205: Invertebrate Zool with lab		Biol 1620
<input type="checkbox"/> BIOL 4230/4235: Gen Parasitology with lab		Biol 1620; Adv. Standing
<input type="checkbox"/> BIOL 4260/4265: Herpetology with lab		Biol 1620, Biol 2220
<input type="checkbox"/> BIOL 4270/4275: Ichthyology with lab		Biol 1620, Biol 2220
<input type="checkbox"/> BIOL 4380/4385: Ornithology with lab		Biol 1620, Biol 2220
<input type="checkbox"/> BIOL 4411/4415: Mammalogy with lab		Biol 1620, Biol 2220, (Biol 3140 recommended)
<input type="checkbox"/> BIOL 4440/4445: General Entomology with lab		Biol 1620, Biol 2220
TOTAL UPPER-DIVISION BIOLOGY ELECTIVE CREDITS	6-8	Must achieve a grade of "C" or higher in each course ("C-" does not count)



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Lab Safety Certification – complete a 1 credit lab safety course		
LAB SAFETY CERTIFICATION CREDIT	1	Course will have an SCI or BIOL prefix
Additional Courses for the Integrated Science Endorsement – complete the following physical science courses		
	Credits	Prerequisites and Notes
<input type="checkbox"/> GEO 1080: Introduction to Oceanography	3	
<input type="checkbox"/> GEO 1110: Physical Geology	3	
<input type="checkbox"/> GEO 1115: Physical Geology Lab	1	
<input type="checkbox"/> PHYS 1040: Elementary Astronomy	3	
<input type="checkbox"/> PHYS 1045: Elementary Astronomy Lab	1	
Total Additional Physical Science Courses for the Integrated Science Endorsement	11	Must achieve a grade of "C" or higher in each course ("C-" does not count)

Secondary Education Teaching (SET) Requirements – complete the following (SET) courses:		
Pre-Professional (SET) Classes (can be taken anytime before admission into the SET program)	Credits	Prerequisites and Notes
<input type="checkbox"/> EDUC 1010: Foundations/Introduction to Education	3	
<input type="checkbox"/> EDUC 2010: Introduction to Teaching Exceptional Learners	3	
<input type="checkbox"/> EDUC 2400: Foundations of Multicultural/ESL Learners	3	
<input type="checkbox"/> EDUC 2500: Technology for Educators and Electronic Portfolios	3	
<input type="checkbox"/> EDUC 3110: Educational Psychology (K-12)	3	
TOTAL PRE-PROFESSIONAL CREDITS	15	



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To take any professional classes listed below, you must be admitted to the Secondary Education Teaching Program (SET) along with these additional requirements:

- All Pre-Professional Education classes have been completed.
- Students with BS/BA degrees in progress need to have at least 90% of major coursework completed and signed off by the major academic content department advisor.
- Students with completed BS/BA or higher degrees need to have their transcripts reviewed by degree content areas.

Professional (SET) Classes Semester I	Credits	Prerequisites and Notes
<input type="checkbox"/> SCED 3720: Reading and Writing in the Content Areas	3	
<input type="checkbox"/> SCED 4100: Curriculum, Instruction, and Assessment	3	Course has Practicum
<input type="checkbox"/> SCED 4600: Classroom Management	3	Course has Practicum
<input type="checkbox"/> SCED 4700: Content Methods Course or BIOL 4130: Biology Teaching Methods (if there is sufficient demand for BIOL 4130)	3	Course has Practicum
<i>Note: Content Methods Courses may be different in their subject content areas</i>		
TOTAL CREDITS FOR SET SEMESTER I	12	
Professional (SET) Classes Semester II	Credits	Prerequisites and Notes
<input type="checkbox"/> SCED 4900: Secondary Student Teaching	10	All major and secondary education classes, and a successful score on the Praxis II content area exam must be completed prior to student teaching.
<input type="checkbox"/> SCED 4989: Student Teaching Seminar	2	
TOTAL CREDITS FOR SET SEMESTER II	12	
TOTAL SET PROGRAM CREDITS	39	
TOTAL BACCALAUREATE CREDITS	127-129	
<input type="checkbox"/> Minimum cumulative GPA must be attained to be eligible to graduate (2.75 or higher, and 3.00 GPA or higher in pre-professional education classes with no D credit.		
<input type="checkbox"/> Complete at least 30 semester hours of upper-division credit hours from DSC for institutional residency.		
<input type="checkbox"/> A total of 40 upper-division hours are required.		
Total Credits Earned:		
Developmental Credits:		
Credits Needed (total - developmental):		