

BACHELOR OF SCIENCE - BIOLOGY BIOLOGY/EDUCATION OPTION

A B.S. degree from Washington State University requires a minimum of 120 total semester hours. At least 40 semester hours must be upper division coursework. A B.S. degree in Biology requires a minimum 40 semester hours of biological science coursework. Two courses must satisfy the "Writing in the Major" [M] requirement. An overall GPA of at least 2.0 must be maintained in all college and departmental requirements. See additional College of Education requirements on back.

Core Requirements:

Biological Science Core Requirements:

		hrs.	Grade
BIOL 106	General Biology	4 hrs.	_____
BIOL 107	General Biology	4 hrs.	_____
BIOL 301	General Genetics	4 hrs.	_____
BIOL 372 [M]	General Ecology	4 hrs.	_____
BIOL 405	Principles Org Evolution	3 hrs.	_____

Calculus Requirement:

MATH 140	Math Life Science OR		
MATH 171	Calculus	4 hrs.	_____

Statistics Requirement:

STAT 212	Intro Stats OR	3-4 hrs.	_____
STAT 412	Biometry OR		
PSYCH 311	Elem Stats		

Chemistry Requirements:

CHEM 105*	Chemistry I	4 hrs.	_____
CHEM 106*	Chemistry II	4 hrs.	_____
CHEM 345	Organic I	4 hrs.	_____

Physics Requirements:

PHYS 101 OR 201	Physics	4 hrs.	_____
PHYS 102 OR 202	Physics	4 hrs.	_____

Biology Education Option Requirements:

Special Requirements:

BIOL 430	Methods Teach Science	3 hrs.	_____
BIOL 499	Special Problems	1-3 hrs.	_____

Microbiology Requirements:

MBioS 305	General Microbiology &	3 hrs.	_____
MBioS 306	General Microbiology Lab	2 hrs.	_____

Biochemistry Requirement:

MBioS 303	Biochemistry	4 hrs.	_____
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Teaching Credential Requirement:

One of the following:

HIST 381[S]	Science in West. Civ.	3 hrs.	_____
HIST 382[S]	Science in West. Civ.	3 hrs.	_____
SOC 430[T]	Society and Technology	3 hrs.	_____
UH 410	Domain of the Sciences	3 hrs.	_____

Biology Education Electives:

A minimum of 9 credits of Biological Sciences (Please consult advisor for additional course options.)

BIOL 251	Human Physiology	4 hrs.	_____
BIOL 315	Gross & Microanatomy	4 hrs.	_____
BIOL 320	Int Plant Physiology	4 hrs.	_____
BIOL 322	Invertebrate Biology	4 hrs.	_____
BIOL 324	Comp Vert Anatomy	4 hrs.	_____

Biology Education Electives (con't):

BIOL 330	Prin Conservation	3 hrs.	_____
BIOL 332	Systematic Botany	4 hrs.	_____
BIOL 353	Mammalian Physiology	4 hrs.	_____
BIOL 412	Biol & Mgt Fishes	3 hrs.	_____
BIOL 418	Parsitology	4 hrs.	_____
BIOL 423	Ornithology	4 hrs.	_____
BIOL 428	Mammalogy	4 hrs.	_____
BIOL 432 [M]	Biol Amphib & Reptiles	4 hrs.	_____
BIOL 438 [M]	Animal Behavior	3 hrs.	_____
BIOL 462	Community Ecology	3 hrs.	_____
ENTOM 343 [M]	General Entomology	4 hrs.	_____
MBioS 410	Medical Microbiology	3 hrs.	_____
MBioS 423	Human Genetics	3 hrs.	_____
MBioS 440	Immunology	3 hrs.	_____
MBioS 442	General Virology	3 hrs.	_____
MBioS 450	Basic/Appl Microbial Phys	3 hrs.	_____

GENERAL UNIVERSITY PLUS COLLEGE OF SCIENCES REQUIREMENTS:

Minimum Requirements

_____	World Civilization [A]	(6)
_____	Communication [W, C]	(6)
_____	Intercultural Studies [I, G, K]	(3)
_____	Arts & Humanities [H, G]	(3)
_____	Social Sciences [S, K]	(3)
_____	Hum or Soc Sci Elect	(9)

_____	Tier III [T]	(3)
_____	Foreign Language - 1 yr. OR	
_____	2 yrs. H.S.	

_____	UPPER DIVISION	(40)

Writing Portfolio

(<http://www.writingprogram.wsu.edu/units/writingassessment/midcollege/>).

One of the above courses must also fulfill diversity [D] requirement.

*Chemistry requires a grade of C or better to progress to the next level course.

T & L Courses: See Back

SEQUENCE OF COURSES
Secondary Education

PROFESSIONAL CORE 40 HOURS: Courses in the Professional Core and Endorsement areas may not be taken pass/fail

T & L 301	Learning & Development	3 hrs. _____
T & L 317	Schools First! Orientation (Spring semester only) ¹	2 hrs. _____

Block I

T & L 464	Curr. Plan & Content Lit.	3 hrs. _____
T & L 465	Cul & Comm Contexts	3 hrs. _____
T & L 466	Sec. Meth of Ed. Tech.	2 hrs. _____

Block II

T & L 467	Classroom Management	3 hrs. _____
EdPsy 468	Classroom Assessment Sec	3 hrs. _____
T & L 469	Advanced Practicum	2 hrs. _____
T & L 470	ESL / SpEd Course	3 hrs. _____

Block III

T & L 415	Student Teaching ²	16 hrs. _____
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Additional Admission Requirements:

Psychology Requirement:

Psych 105 or 198	Intro Psych	3 hrs. _____
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English Requirement :

ENGL 201,298, 301, 302 Writing OR 402		3 hrs. _____
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It is the College of Education's intent to insure individuals placed in K-12 classrooms are adequately prepared and they possess those characteristics desirable for working with children and young people. Admission to or continued enrollment in the teacher preparation program may be denied a candidate on the basis of review by the faculty. The College also reserves the right to refuse placement of any student in a field experience or to terminate individual placements, if in the professional judgment of faculty or coordinating field personnel there is a cause for concern about the fitness of that individual to work with children in a classroom setting.

- All course work required by the College of Education must be taken for a letter grade (not pass/fail) and completed with a grade of C or higher.
- All requirements for the teacher certificate must be completed within 5 years from the date of certification in the College of Education; otherwise the student must fulfill any new program requirements.
- Fifty percent of the course work in the professional core plus student teaching must be completed through WSU.
- A maximum of 3 semester hours of correspondence transfer work will be allowed in the professional core.
- Apply for the teacher certificate upon completion of 80 semester hours of course work.
- Establish a placement file at Career Services during the junior year.

¹A three-week intensive experience in a K-12 public or private school in the student's home community takes place mid-May through early June after the completion of WSU's spring semester.

²**Student Teaching:** Student teaching must be completed at an approved WSU site in the state of Washington with supervision by an approved WSU provider. A student may begin the student teaching internship only upon (1) completion of all course work in the endorsement and the professional core with a grade of C or higher; (2) achievement of a minimum cumulative WSU gpa of 2.5 and a minimum 2.5 gpa in each the professional core and endorsement; (3) fingerprinting and background clearance; (4) pass the WEST-E; (5) interview and recommendation by the faculty. Candidates for student teaching must apply one year in advance to request placement.