

BACHELOR OF SCIENCE – BIOLOGY

PRE-PHYSICAL THERAPY, OCCUPATIONAL THERAPY, AND PHYSICIAN ASSISTANT OPTION (Preparation for Physical Therapy, Occupational Therapy, Physician Assistant programs)

A Bachelor of Science degree in Biology 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. in Biology requires a minimum of 19 semester hours of core BIOLOGY courses (BIOLOGY 106, 107, 301, 372 and 405 or 403). An additional 21 semester hours of biological sciences coursework selected in consultation with your biology advisor is required. The 21 semester hours must include 15 upper division credits, six of which must be BIOLOGY prefix taken in residence at WSU. [WSU defines "In Residence" as a course taken at any campus in the WSU system, including Pullman, the branch campuses, and the Global Campus.] An overall GPA of at least 2.0 must be maintained in all college and departmental requirements. Two Biology prefix courses must satisfy the "Writing in the Major" [M] requirement.***

NOTE: You should check the website of your choice of professional schools early to be certain about admissions requirements. They often change every year.

Core Requirements:

Biological Science Core Requirements:

			<u>Grade</u>
BIOLOGY 106	General Biology	4 hrs.	_____
BIOLOGY 107	General Biology	4 hrs.	_____
BIOLOGY 301	General Genetics	4 hrs.	_____
BIOLOGY 372 [M]	General Ecology	4 hrs.	_____
BIOLOGY 405	Prin Org Evolution OR		
BIOLOGY 403	Evolutionary Biol	3 hrs.	_____

Calculus Requirement:

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

Statistics Requirement:

STAT 212	Intro Stats OR		
STAT 412	Int Stat Meth Res I OR		
PSYCH 311	Elem Stats	3 or 4 hrs.	_____

Chemistry Requirements:

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

Physics Requirements:

PHYSICS 101** OR 201**	Physics	4 hrs.	_____
PHYSICS 102 OR 202	Physics	4 hrs.	_____

Pre-PT /OT / PA Option Requirements:

Option Requirements:

BIOLOGY 251	Intro Human Physiol OR		
BIOLOGY 353	Adv Human Physiol	4 hrs.	_____
BIOLOGY 315	Human Anatomy OR		
BIOLOGY 354	Anatomy Health Occ	4 hrs.	_____
PSYCH 105[SSCI]	Intro Psych	3 hrs.	_____
PSYCH 333	Abnormal Psych	3 hrs.	_____
SOC 101[SSCI]	Intro Soc	3 hrs.	_____
PHIL 365[HUM]	Biomed Ethics	3 hrs.	_____
ENGL 402[WRTG]	Tech & Prof Writing	3 hrs.	_____

Note: The following courses: PHIL 365, KINES 380, MBIOS 303, 304, 305, 306, and CHEM 370 count as fulfilling Biology electives (21 credits).

PT Requirements:

PSYCH 361	Dev Psych OR		
H D 101[SSCI]	H D Lifespan	3 hrs.	_____

KINES 380	Exc Physiol OR		
BIOLOGY 350	Comp Phys OR		
BIOLOGY 352	Cells	3 or 4 hrs.	_____
BIOLOGY 393 [M]	Prof Comm in Biol OR		
BIOLOGY 490 [M]	Seminar in PT	2 hrs.	_____

PA Requirements:

PSYCH 361	Dev Psych OR		
H D 101[SSCI]	H D Lifespan	3 hrs.	_____
CHEM 370	Chemical Biol OR		
MBIOS 303	Intro Biochem	3 or 4 hrs.	_____
MBIOS 304	Micro/Mol. Lab OR		
MBIOS 306	Gen Micro Lab	3 or 2 hrs.	_____
MBIOS 305	Gen. Micro	3 hrs.	_____

OT Requirements:

ANTH 203[DIVR]	Peoples of the World	3 hrs.	_____
BIOLOGY 220	Med Term	2 hrs.	_____
COM 102 [COMM]	Public Speaking	3 hrs.	_____
BIOLOGY 393 [M]	Prof Comm in Biol	2 hrs.	_____
H_D 101[SSCI]	Lifespan HD	3 hrs.	_____

Courses in other departments at WSU may also be suitable as electives and should be chosen in consultation with your advisor.

*** A grade of "C" or higher is required to progress to the next course level.*

UCORE REQUIREMENTS (Including CAS additional req.):

[ROOT]	___ Roots of Contemporary Issues	(3)
[COMM]	___ Communication OR	
[WRTG]	___ Written Communication	(3)
[WRTG]	___ Written Communication	(3)
[QUAN]	___ Quantitative Reasoning	(3)
[SSCI]	___ Inquiry in the Social Sciences	(3)
[HUM]	___ Inquiry in the Humanities	(3)
[ARTS]	___ Inquiry in the Creative & Professional Arts	(3)
[BSCI][PSCI][SCI]		
	___ Inquiry in the Inquiry in the Nat. Sciences	(7)
[]	___ Inquiry in SSCI, HUM or ARTS (CAS)	(3)
[DIVR]	___ Diversity	(3)
[CAPS]	___ Integrative Capstone	(3)
[M]	___ Writing in the major (2 courses)***	

Note: three, 3 credit (9 total credits) UCORE courses may fulfill major requirements.

_____ Foreign Language - 1 yr. OR 2 yrs. H.S.

_____ Upper division (Minimum 40 credits)

_____ Minimum Total Credits (120)

_____ Junior Writing Portfolio

<http://universitycollege.wsu.edu/units/writingprogram/units/writingassessment/juniorwritingportfolio/guidelines/index.html>