

BACHELOR OF SCIENCE – BIOLOGY
PRE-PHYSICAL THERAPY, OCCUPATIONAL THERAPY, AND PHYSICIAN'S ASSISTANT OPTION
 (Preparation for Physical Therapy, Occupational Therapy, Physician's Assistant programs)

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.

NOTE: You should write to your selection of professional schools early to be certain about admissions requirements. They often change every year.

Core Requirements:

<u>Biological Science Core Requirements:</u>			<u>Grade</u>
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	Prin. Org. Evolution	3 hrs.	_____

Calculus Requirement:

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

Statistics Requirement:

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

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.	_____

Pre-PT /OT / PA Option Requirements:

Option Requirements:

BIOL 251	Human Physiol. OR		
BIOL 353 ⁴	Mam. Physiol.	4 hrs.	_____
BIOL 315	Human Anatomy	4 hrs.	_____
BIOL 393 [M]	Seminar OR		
BIOL 490[M]	Seminar in P.T.	2 hrs.	_____
MVTST 380	Exc. Physiol.	3 hrs.	_____
PSYCH 105 [S]	Intro Psych.	3 hrs.	_____
PSYCH 333	Abnormal Psych	3 hrs.	_____
PSYCH 361[S]	Dev. Psych	3 hrs.	_____
MBioS 305	Gen. Microbiology &	3 hrs.	_____
MBioS 306	Gen. Micro. Lab	2 hrs.	_____
SOC 101[S,D] ¹	Intro Soc.	3 hrs.	_____
HD 205 [C] ^{1,2,3}	H D Lifespan	4 hrs.	_____

Writing Requirement:

ENGL 402[W,M]	Tech. Writing	3 hrs.	_____
---------------	---------------	--------	-------

Pre-PT/OT/PA Option Electives (minimum 4 credits):

NEURO 301 ²	Exploring the Brain	3 hrs.	_____
NEURO 404 ²	Neuroanatomy	4 hrs.	_____
NEURO 430 [M] ²	Neurophysiology	4 hrs.	_____
BIOL 324 ^{1,2,3}	Comp Vert Anatomy	4 hrs.	_____
BIOL 352 ^{1,3}	Cell Physiology	3 hrs.	_____
BIOL 491 ¹	Clinical Experience OR	3 hrs.	_____
BIOL 495	Internship	1-4hrs.	_____
MBioS 303 ^{1,3}	Biochemistry	4 hrs.	_____
MBioS 423 ³	Human Genetics	3 hrs.	_____
MBioS 440 ³	Immunology	3 hrs.	_____
Anth 260 ^{1,2,3}	Intro Physical Anth	4 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)
_____	_____	Psych 105 [S]	(3)
_____	_____	Soc 101 [S,D]	(3)
_____	_____	Psych 361 [S]	(3)
_____	_____	Hum or Soc Sci Elect [H,G,S,K]	(3)
_____	_____	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.

¹ These courses are particularly recommended for students interested in PT.

² These courses are particularly recommended for students interested in OT.

³ These courses are particularly recommended for students interested in PA.

⁴ **Note:** Biol 352 is a prereq. for 353