

Bachelor of Science – Biology

Pre-Physical Therapy, Occupational Therapy, Physician Associate

An undergraduate degree from Washington State University requires a minimum of 120 total semester hours. The University, College of Arts and Sciences, and School of Biological Sciences each have specific requirements for a degree; checklists for these requirements are provided on the second page of this sheet. Requirements and electives for the specific degree and option headlined above are listed below this paragraph. All official requirements for each student's specific degree are listed in the student's my.wsu.edu Academic Requirement Report. This sheet is only meant to serve as a guide.

Biology Core Requirements:

Biological Sciences Requirements:

	Credits	Grade
BIOLOGY 106 Intro Biology: Organismal	4	_____
BIOLOGY 107 Intro Biology: Cell Bio & Genetics	4	_____
BIOLOGY 301 General Genetics	4	_____
BIOLOGY 370 [M] Ecology of Health & Disease OR		
BIOLOGY 372 [M] General Ecology	4	_____
BIOLOGY 395 Evolutionary Medicine OR		
BIOLOGY 403 Evolutionary Biology OR		
BIOLOGY 405 Prin. of Organic Evolution	3	_____

Calculus Requirement:

MATH 140 Calculus for Life Scientists OR		
MATH 171 Calculus I	4	_____

Statistics Requirement:

STAT 212 Intro to Statistical Methods OR		
STAT 412 Stat Methods in Research I OR		
PSYCH 311 Statistics in Psychology	3-4	_____

Chemistry Requirement:

CHEM 105* Principles of Chemistry I	4	_____
CHEM 106* Principles of Chemistry II	4	_____
CHEM 345 Organic Chemistry I	4	_____

Physics Requirement:

PHYS 101* General Physics I OR		
PHYS 201* Physics for Sci. & Engineers I	4	_____
PHYS 102 General Physics II OR		
PHYS 202 Physics for Sci. & Engineers II	4	_____

Pre-PT/OT/PA Requirements (All Three Areas):

BIOLOGY 251 Introductory Human Physiology OR		
BIOLOGY 353 Advanced Human Physiology	4	_____
BIOLOGY 315 Gross and Microanatomy OR		
BIOLOGY 354 Human Anatomy for Health Professions	4	_____
PSYCH 105 [SSCI] Introductory Psychology	3	_____
PSYCH 333 Abnormal Psychology	3	_____
SOC 101 [SSCI] Introduction to Sociology	3	_____
PHIL 365 [HUM] Biomedical Ethics	3	_____
ENGL 402 [WRTG] Technical and Professional Writing	3	_____

Additional Physical Therapy Requirements Only:

	Credits	Grade
PSYCH 361 Developmental Psychology OR		
H_D 101 [SSCI] Human Development Across the Life Span	3	_____
KINES 380 Introduction to Exercise Physiology		
OR		
BIOLOGY 350 Comparative Physiology OR		
BIOLOGY 352 Cells	3-4	_____
BIOLOGY 393[M] Professional Communications in Biology		
OR		
BIOLOGY 490[M] Professional Seminar in Physical Therapy	2	_____

Additional Physician Associate Requirements Only:

PSYCH 361 Developmental Psychology OR		
H_D 101 [SSCI] Human Development Across the Life Span	3	_____
CHEM 370 Chemical Biology OR		
MBIOS 303 Introductory Biochemistry	3-4	_____
MBIOS 304 Microbiology and Molecular Biology Laboratory		
OR		
MBIOS 306 General Microbiology Laboratory	2-3	_____
MBIOS 305 General Microbiology	3	_____

Additional Occupational Therapy Requirements Only:

ANTH 203 [DIVR] Global Cultural Diversity	3	_____
BIOLOGY 220 Medical Terminology	2	_____
BIOLOGY 393 [M] Professional Communications in Biology	2	_____
Com 102 [COMM] Public Speaking in the Digital Age	3	_____
H_D 101 [SSCI] Human Development Across the Life Span	3	_____

School of Biological Sciences Requirements

- A minimum of 120 total semester hours.
- At least 40 semester hours must be 300 and 400 level coursework.
- A minimum of 19 semester hours of core BIOLOGY courses (BIOLOGY 106; 107; 301; 370 or 372; and 395 or 403 or 405).
- An additional 21 semester hours of biological sciences coursework selected in consultation with your biology advisor. The 21 semester hours must include 15 credits of 300 and 400 level courses, six of which must be BIOLOGY taken in residence at WSU. See guidelines for the many BIOLOGY options that are available to structure your course selections.
- An overall GPA of at least 2.0 must be maintained in all college and departmental requirements.
- A maximum of four credits of coursework that are graded S,F may be used toward fulfilling School requirements or program options, and no other courses taken S,F can be applied toward fulfilling School requirements or program options.
- Two BIOLOGY courses to satisfy the "Writing in the Major" [M] requirement.
- One BIOLOGY course to satisfy the "Capstone" [CAPS] requirement.

UCORE and College of Arts and Sciences Requirements

	Grade	Credits
[ROOT]	_____	(3)
[COMM]	_____	(3)
[WRTG]	_____	(3)
[WRTG]	_____	(3)
[QUAN]	_____	(3)
[SSCI]	_____	(3)
[HUM]	_____	(3)
[ARTS]	_____	(3)
[BSCI]	_____	(3)
[PSCI]	_____	(3)
[EQJS]	_____	(3)
[DIVR]	_____	(3)
[CAPS]	_____	(3)
[M]	_____	(2-4)
[M]	_____	(2-4)

Note: Three UCORE courses of 3 credits (9 credits total) may fulfill major requirements.

- _____ Foreign Language 1 yr. or 2 yrs. HS (CAS)
- _____ Upper Division 3xx-4xx (Minimum 40 credits)
- _____ Minimum Total Credits (120)
- _____ University Writing Portfolio

<https://writingprogram.wsu.edu/uwpsubmission/>