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 taken in residence at WSU. An overall GPA of at least 2.0 must be maintained in all college and departmental requirements. Two 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. Specific attention should be paid to requirements in organic chemistry and biochemistry.

**Core Requirements:**

<table>
<thead>
<tr>
<th>Biological Science Core Requirements:</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOLOGY 106 General Biology</td>
<td>4 hrs.</td>
</tr>
<tr>
<td>BIOLOGY 107 General Biology</td>
<td>4 hrs.</td>
</tr>
<tr>
<td>BIOLOGY 301 General Genetics</td>
<td>4 hrs.</td>
</tr>
</tbody>
</table>

**Calculus Requirement:**

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

**Statistics Requirement:**

STAT 212 Intro Stats OR
STAT 412 Stat Meth Res I OR
PSYCH 311 Elem Stats 3-4 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-Medical / Pre-Dental Option Requirements:**

**Additional Chemistry Requirement:**

CHEM 348 Problem Solving 4 hrs.  

**Microbiology / Invertebrate Biology Requirement:**

Two of the following:

MBIOS 305** Microbiology & 3 hrs.  
MBIOS 304 OR 306 Microbiology Lab 2-3 hrs.  
BIOLOGY 322 Invertebrate Biology 4 hrs.  
BIOLOGY 418 Parasitology 4 hrs.  

**Anatomy /Development Requirement:**

Two of the following:

BIOLOGY 315 Human Anatomy 4 hrs.  
BIOLOGY 324 Comp Vert Anatomy 4 hrs.  

**Biochemistry Requirement:**

MBIOS 303 Biochemistry 4 hrs.  

**Physiology Requirements:**

One set from the following:

MBIOS 401 Intro Cell Biol &
BIOLOGY 353 Mammalian Phys OR 7 hrs.  
BIOLOGY 352 Cell Phys &
BIOLOGY 353 Mammalian Phys 7 hrs.  

**Pre-Med/Pre-Dent Option Electives (optional courses):**

Courses in the School of Biological Sciences that are suitable for this option can be found:


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

**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 Nat. Sciences (7)
[ ] _____Inquiry in SS, 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/writingassessments/juniorwritingportfolio/guidelines/index.html

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

**Required for admission to U of W Dental School.

***Psych 105 [SSCI] and Soc 101 [SSCI] should be used to fulfill these requirements.

****This sheet is meant to serve as a guide. Official requirements for each student’s specific degree are listed in the my.wsu academic requirements report.

Revised Summer 2014