

**Distinguish between Biology BS and BA Degree Programs 2007-2008**  
**Biology Department Western Washington University**

<b>Biology Majors</b>	<b>Credits</b>	<b>Support Courses</b>	<b>Required Courses</b>	<b>Specific Areas of Study</b>
<b>BS Cell Emphasis</b>	90	37 credits in Chemistry, Physics, & Calculus	53 credits in Biology including 3 upper division lab courses	This major emphasizes the cell biology, molecular genetics and genomics of prokaryotic and eukaryotic model organisms
<b>BS Ecology, Evolution, Organismal Biology (EEO) Emphasis</b>	90	37 credits in Chemistry, Physics, & Calculus	53 credits in Biology including 3 upper division lab courses	A survey of the structure, function, ecology and evolution of organisms, that emphasizes plants and animals.
<b>BS General</b>	90	37 credits in Chemistry, Physics, & Calculus	53 credits in Biology including 3 upper division lab courses	This flexible, student-designed degree program offers various options for upper-level coursework. Requires approval of faculty advisor. (Biol 348 does not count toward this major.)
<b>BS Marine Emphasis</b>	95	42 credits in Chemistry, Physics, Calculus, & Geology	53 credits in Biology including 3 upper division lab courses	A view of marine biology that includes the structure and function of marine organisms and their relationship with the environment
<b>BS Secondary Teaching Emphasis</b>	90	37 credits in Chemistry, Physics, & Calculus	53 credits in Biology including 3 upper division lab courses	Broad overview of biology which prepares student for a state teaching endorsement in Biology. A few additional elective science courses will prepare the student for a Science endorsement. Must be accompanied by a teacher preparation program.
<b>BA Biology</b>	74	23 credits in Chemistry, Statistics, & Physics	51 credits in Biology	This flexible, student-designed degree program offers various options for upper-level coursework. Requires approval of faculty advisor.
<b>Combined Majors</b>	<b>Credits</b>	<b>Support Courses</b>	<b>Required Courses</b>	<b>Specific Areas of Study</b>
<b>BS Biology/Anthropology</b>	101-104	34-37 credits in Chemistry, Physics & Calculus	67 credits in Biology and Anthropology	Human biology focus that includes behavioral science for students who want to pursue post-baccalaureate degrees in research or applied health
<b>BA Biology/Anthropology</b>	89	23 credits in Chemistry & Physics	66 credits of Biology & Anthropology	
<b>BS Cellular &amp; Molecular/Biochemistry</b>	105	57 credits in Chemistry, Calculus-based Physics, 2 quarters of Calculus, & Statistics	48 credits in Biology including 3 upper division lab courses	This interdisciplinary major focuses on the biochemistry, cell biology, molecular genetics and genomics of prokaryotic and eukaryotic model organisms
<b>BA Biology/Chemistry Education</b>	105-106	51 credits in Chemistry, Physics & Calculus	54-55 credits in Biology, Chemistry, & Science Education	Leads to state teaching endorsements in Biology and Chemistry. Must be accompanied by the teacher preparation program in Woodring College of Education.
<b>BS Biology/Mathematics</b>	104-105	25 credits in Chemistry & Physics	28 credits in Biology and 57 credits in Mathematics	Combined major brings together a core knowledge of biology with linear algebra, advanced calculus, and methods of computer programming and mathematical modeling
<b>BA Behavioral Neuroscience</b>	109-110	24 credits in Chemistry & Physics	28 credits in Biology and 33 credits in Psychology with 24-25 credits selected from Biology and/or Psychology.	Combined major emphasizes neurobiology and psychology of normal and abnormal behavior at the molecular and organismal level