

Name: \_\_\_\_\_ Student ID Number: \_\_\_\_\_

Curriculum provided below leads to a BS in Biology. Approved Biology-related majors that sufficiently cover the following content areas will fulfill Supporting and Biology course requirements for the Biology endorsement: Zoology w/lab, Botany w/lab, Cell Biology w/lab, Genetics, Ecology, Evolution, Science & Society, Chemistry w/lab (one year general with some organic), Statistics, Inquiry, Lab Safety.

Teacher certification candidates must also complete a professional preparation program in secondary education. Grade required for all endorsement courses: C (2.0) or better. **Course substitutions or waivers must be clearly noted.**

Completed ✓	<b>BS Biology - Secondary Teaching Emphasis (90 credits) or approved equivalent</b>
<b>Supporting Courses (37 credits)</b>	
	<input type="checkbox"/> CHEM 121, 122, 123 General Chemistry I, II, and III (14) <i>or</i> <input type="checkbox"/> CHEM 125, 126, 225 General Chemistry Honors (15)
	<input type="checkbox"/> CHEM 351 Organic Chemistry I (4) <input type="checkbox"/> CHEM 352 Organic Chemistry II (4)
	<input type="checkbox"/> PHYS 114, 115 Principles of Physics I, II (10) <i>or</i> PHYS 121, 122 Physics with Calculus I, II (10)
	<input type="checkbox"/> MATH 124 Calculus and Analytic Geometry I, II (5) <i>or</i> MATH 134 Honors Calculus I, II (5)
<b>Biology Courses (53 credits)</b>	
	<i>Basic Requirements:</i> <input type="checkbox"/> BIOL 204 Introduction to Evolution, Ecology, and Biodiversity (4) <input type="checkbox"/> BIOL 205 Introduction to Cellular and Molecular Biology (5) <input type="checkbox"/> BIOL 206 Introduction to Organismal Biology (5)
	<i>Breadth Requirements:</i> <input type="checkbox"/> BIOL 321 Genetics (4) <input type="checkbox"/> BIOL 323 Cellular and Molecular Biology (4) <input type="checkbox"/> BIOL 325 Ecology (3) <input type="checkbox"/> BIOL 432 Evolutionary Biology (4) <input type="checkbox"/> BIOL 340 Biometrics (5) <i>or</i> MATH 240 (4)
	<i>Depth Requirements</i> <input type="checkbox"/> BIOL 326 Ecology Laboratory (2) <input type="checkbox"/> BIOL 322 Genetics Lab (4) <i>or</i> BIOL 324 Methods in Molecular Biology (3) <input type="checkbox"/> SCED 370 Science and Society (3) <u>One of the following:</u> <input type="checkbox"/> BIOL 450 Plant Anatomy (5) <input type="checkbox"/> BIOL 451 Plant Growth and Development (3) and BIOL 453 Investigations in Plant Development (3) <input type="checkbox"/> BIOL 452 Systemic Botany (5) <input type="checkbox"/> BIOL 479 Plant Physiology (5) <u>One of the following:</u> <input type="checkbox"/> BIOL 460 Invertebrate Zoology (5) <input type="checkbox"/> BIOL 465 Vertebrate Zoology (5) <input type="checkbox"/> BIOL 467, 468 Comparative Vertebrate Zoology and Lab (6) <input type="checkbox"/> BIOL 482, 484 Developmental Biology of Animals and Lab (8) <u>Electives to total 53 Biology credits (0-2)</u> <input type="checkbox"/>
<b>Teaching Methods (7 credits)</b>	
	<input type="checkbox"/> SCED 481 Fundamentals of Teaching Science (2) <input type="checkbox"/> SCED 491 Methods in Secondary Education for Science Teachers (5)
	Applicable Washington Educator Skills Test – Endorsement (WEST-E)
<b>Optional Science Endorsement – Add Applicable WEST-E and the following courses:</b>	
	<input type="checkbox"/> PHYS 116 Principles of Physics III (5), <i>or</i> PHYS 122, 123 Electricity and Magnetism with Lab (5) <input type="checkbox"/> GEOL 211 Physical Geology (5) <input type="checkbox"/> GEOL 212 Historical Geology (4) <input type="checkbox"/> ASTR 315 The Solar System (4)

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 Endorsement Advisor Signature

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 Date