

**BIOLOGICAL SCIENCE EMPHASIS  
ASSOCIATE OF SCIENCE DEGREE (AS)**

**2015 - 2016**

**60 CREDITS**

The Associate of Science Degree is a general transfer program for students who are planning to transfer to NSC, GBC, UNLV, UNR, or another baccalaureate-level institution. A secondary objective may be employment upon completion of the AS.

**STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:**

- \* Summarize and explain biological diversity and similarity of organizational levels ranging from molecules to communities.
- \* Incorporate knowledge of scientific methods and the relationships among theory, experiments and analysis and apply these to a problem or issue in biology
- \* Integrate knowledge of biology, biological methods and contextual issues, and be able to articulate these in verbal and written form
- \* Demonstrate knowledge of basic laboratory safety procedures and experimentation skills

A single course cannot be used to satisfy more than one General Education requirement. Courses with an H Suffix are designated Honors level courses and can be used to fulfill equivalent General Education requirements.

**GENERAL EDUCATION REQUIREMENTS (32 Credits)**

**SPECIAL PROGRAM REQUIREMENTS (28 Credits)**

	<u>CR</u>
<b>ENGLISH COMPOSITION:</b>	6-8
ENG 100 (with a grade of C- or better), 101 or 113 and ENG 102 or 114	
<b>MATHEMATICS:</b>	4
Math 181	
<b>SOCIAL SCIENCE:</b>	6
Two of the following (both cannot be in the same discipline): ANTH 101, 104, 106, 112, 201, 202, 205, 207, 209, 212, 214, 215, or 225; CRJ 104; ECON; PHIL 135, 205, 207, 216, 244, 245, 246, 249, or 311; PSC; PSY (except 270); RST; SOC	
<b>HUMANITIES:</b>	6
COM 101 and one of the following: ANTH 105, 204, 206, 211, 216, or 217; ENG; HIST; International Languages 111 or above; PHIL 101, 119, 129, 201, 202, or 203; PSY 270	
<b>FINE ARTS:</b>	3
ART, DAN 101, MUS, THTR	
<b>LITERATURE:</b>	3
ENG 223 or above	
<b>U.S. AND NEVADA CONSTITUTIONS:</b>	4-6
PSC 101 or one of the following combinations: HIST 101 and HIST 102; HIST 101 and HIST 217; HIST 111 and HIST 102; HIST 111 and HIST 217	

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	<u>CR</u>
<b>BIOL 196</b> Principles of Modern Biology I	4
<b>BIOL 197</b> Principles of Modern Biology II	4
<b>CHEM 121</b> General Chemistry I	4
<b>CHEM 122</b> General Chemistry II	4
<b>PHYS 151</b> General Physics I	4
<b>PHYS 152</b> General Physics II	4

**Plus 4-6 credits from the following:**

<b>BIOL 101</b> or higher (except BIOL 299)	4-6
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**\*For students transferring to UNLV:**

**BIOL 251H General Microbiology - Honors is highly recommended**

**NOTE:** All students must fulfill the Values and Diversity requirement (3 CR). These courses may simultaneously fulfill the corresponding general education requirement or be used in the Special Program/Electives section. The course options for the Values & Diversity Requirement can be found at: <http://www.csn.edu/???>

**TOTAL CREDITS**

<b>60</b>
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