

**ASSOCIATE OF SCIENCE DEGREE (AS)**

The Associate of Science Degree is a general transfer program for students who are planning to transfer to UNLV, UNR, NSC, GBC 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:**

- Demonstrate knowledge of the diversity and similarity of organizational levels ranging from molecules to the community.
- Demonstrate knowledge of scientific methods and the relationships among theory, experiment, analysis of data and general knowledge.
- Articulate, in verbal and written form, knowledge of biology, biological methods, and biological issues in context.
- Demonstrate knowledge of basic laboratory safety procedures and experimentation skills.

Courses with “H” suffixes are designated Honors level courses and can be used to fulfill equivalent general education requirements.

**GENERAL EDUCATION REQUIREMENTS (32 Credits):**

	CR	SEMESTER
<b>ENGLISH:</b> ENG 100 or 101 or 113 and 102	6-8	_____
<b>LITERATURE:</b> ENG 231, 232	3	_____
<b>FINE ARTS:</b> ART, DAN 101, Music, THTR	3	_____
<b>HUMANITIES:</b> COM 101 and ENG 223 or above, HIST, International Languages 111 or above, PHIL	6	_____
<b>MATHEMATICS:</b> MATH 181	4	_____
<b>SOCIAL SCIENCES:</b> (Six credits must be from two different disciplines): ANTH, CRJ 104, ECON, PSC, PSY, SOC, WMST 113	6	_____
<b>U.S. AND NEVADA CONSTITUTIONS:</b> PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

**SPECIAL PROGRAM REQUIREMENTS (28 Credits):**

	CR	SEMESTER
<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	_____
<b>Plus 4-6 credits from the following:</b>		
<b>BIOL 101</b> or higher*	4-6	_____

\*For students transferring to UNLV:  
**BIOL 251H General Microbiology - Honors is highly recommended**

**ASSOCIATE OF SCIENCE**

BIOL-AS **60**  
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

**Guided Pathway**  
**Associate of Science (AS)-Biological Science**  
**Total Credits 60**

<b>First Semester</b>	<b>Requirement</b>	<b>Credit Hours</b>	<b>Term</b>
ENG 100, or 101	Gen Ed English Composition	3	
Art, DAN 101, Music, THTR	Gen Ed Fine Arts	3	
COM 101	Gen Ed Humanities	3	
Elective	Gen Ed Social Science	3	
CHEM 121	Special Program	4	
	<b>Total</b>	<b>16</b>	
<b>Second Semester</b>	<b>Requirement</b>	<b>Credit Hours</b>	<b>Term</b>
ENG 102	Gen Ed English Composition	3	
MATH 181	Gen Ed Mathematics	4	
CHEM 122	Special Program	4	
BIOL 196	Special Program	4	
	<b>Total</b>	<b>15</b>	
<b>Third Semester</b>	<b>Requirement</b>	<b>Credit Hours</b>	<b>Term</b>
ENG 223	Gen Ed Literature	3	
PSC 101	Gen Ed U.S. & NV Constitutions	4	
PHYS 151	Special Program	4	
BIOL 197	Special Program	4	
	<b>Total</b>	<b>15</b>	
<b>Fourth Semester</b>	<b>Requirement</b>	<b>Credit Hours</b>	
PHYS 152	Special Program	4	
Elective	Gen Ed Humanities	3	
Elective	Gen Ed Social Science	3	
BIOL 251H, or BIOL 211	Special Program	4	
	<b>Total</b>	<b>14</b>	
	<b>Degree Total</b>	<b>60</b>	

**Guided Pathway**  
**Associate of Science (AS)-Biological Science**  
**Total Credits 60**

<b>First Semester</b>	<b>Requirement</b>	<b>Credit Hours</b>	<b>Term</b>
ENG 100, or 101	Gen Ed English Composition	3	
Art, DAN 101, Music, THTR	Gen Ed Fine Arts	3	
COM 101	Gen Ed Humanities	3	
CHEM 121	Special Program	4	
	<b>Total</b>	<b>13</b>	
<b>Second Semester</b>	<b>Requirement</b>	<b>Credit Hours</b>	<b>Term</b>
ENG 102	Gen Ed English Composition	3	
MATH 181	Gen Ed Mathematics	4	
CHEM 122	Special Program	4	
BIOL 196	Special Program	4	
	<b>Total</b>	<b>15</b>	
<b>Third Semester</b>	<b>Requirement</b>	<b>Credit Hours</b>	<b>Term</b>
PSC 101	Gen Ed U.S. & NV Constitutions	4	
PHYS 151	Special Program	4	
BIOL 197	Special Program	4	
	<b>Total</b>	<b>12</b>	
<b>Fourth Semester</b>	<b>Requirement</b>	<b>Credit Hours</b>	
ENG 223	Gen Ed Literature	3	
PHYS 152	Special Program	4	
BIOL 251H, or BIOL 211	Special Program	4	
	<b>Total</b>	<b>11</b>	
<b>Fifth Semester</b>	<b>Requirement</b>	<b>Credit Hours</b>	<b>Term</b>
Elective	Gen Ed Social Science	3	
Elective	Gen Ed Social Science	3	
Elective	Gen Ed Humanities	3	
	<b>Total</b>	<b>9</b>	
	<b>Degree Total</b>	<b>60</b>	