

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:**

- Formulate and apply the principles and equations of rigid body equilibrium in the solution of equilibrium problems involving particles and rigid bodies.
- Develop and draw free body diagrams in the solutions of particle and rigid body equilibrium problems.
- Develop and apply “kinematic” principles in the solutions of particle and rigid body dynamic problems.
- Develop and apply “kinetic” principles in the solutions of particle and rigid body dynamic problems.
- Ability to formulate, draw and apply free body diagrams and kinetic diagrams in the solutions of particle and rigid body dynamic problems.

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

**GENERAL EDUCATION REQUIREMENTS (35 Credits):**

	CR	SEMESTER
<b>ENGLISH:</b> ENG 100 or 101 or 113 and 102 or 114	6-8	_____
<b>LITERATURE:</b> ENG 223 or above	3	_____
<b>FINE ARTS:</b> ART, DAN 101, Music, THTR	3	_____
<b>HUMANITIES:</b> COM 101 and ENG 235 or above, HIST, International Languages 111 or above, PHIL, WMST 113	6	_____
<b>MATHEMATICS:</b> MATH 181	4	_____
<b>SOCIAL SCIENCES:</b> (Nine credits must be from two different disciplines): ANTH, CRJ 104, ECON, PSC, PSY, SOC, WMST 113	9	_____
<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 (26 Credits):**

	CR	SEMESTER
<b>CEE 241</b> Statics	3	_____
<b>CHEM 121</b> General Chemistry I	4	_____
<b>MATH 182</b> Calculus II	4	_____
<b>ME 242</b> Dynamics	3	_____
<b>PHYS 180</b> Physics for Scientists and Engineers I	3	_____
<b>PHYS 180L</b> Physics for Scientists and Engineers Lab I	1	_____
<b>FOR CIVIL ENGINEERING:</b>		
<b>GEOL 101</b> Geology: Exploring Planet Earth	4	_____
<b>PHYS 181</b> Physics for Scientists and Engineers II	3	_____
<b>PHYS 181L</b> Physics for Scientists and Engineers Lab II	1	_____
<b>FOR MECHANICAL ENGINEERING:</b>		
<b>MATH 283</b> Calculus III	4	_____
<b>PHYS 182</b> Physics for Scientists and Engineers III	3	_____
<b>PHYS 182L</b> Physics for Scientists and Engineers Lab III	1	_____

ASSOCIATE  
OF SCIENCE

ENGINEE-AS **61** 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.

