

**ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)**

This program provides students with the skills to plan, prepare and interpret construction documents. Students will develop these skills through board drafting with a high emphasis on using computer-aided design and drafting workstations. Instruction also includes office standards, ethics, equipment maintenance and production techniques. This degree is used as the basis for students entering civil engineering design, architectural design, electrical engineering design or mechanical design fields as well as for employment as CADD operators.

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

- Perform tasks in operating a CADD workstation using industry standard software used in Southern Nevada.
- Produce two- and three-dimensional construction documents using the drafting tools within the CAD software that will apply to their discipline.
- Utilize office standards, techniques, and procedures in the workplace.
- Demonstrate adequate knowledge of mathematics, communications skill and other core degree requirements. Graduates will be ready to be employed as an entry-level CADD Technician.

**GENERAL EDUCATION REQUIREMENTS (25 Credits):**

	CR	SEMESTER
<b>COMMUNICATIONS:</b> BUS 108, COM 101, 102, 215, ENG 100, 101, 102, 107, 113, 114, 205, JOUR 102, THTR 105	3-5	_____
<b>ENGLISH:</b> ENG 100, 101, 107, 113	3-5	_____
<b>HUMAN RELATIONS:</b> ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, 283, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____
<b>MATHEMATICS:</b> MATH 116 or above (except MATH 122, 123)	3	_____
<b>SCIENCE:</b> AST, BIOL, CHEM, EGG 131, 132, ENV, GEOG 103, 104, 117, GEOL, HHP 123B, 124B, PHYS	6	_____
<b>FINE ARTS/HUMANITIES/ SOCIAL SCIENCES:</b> AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	3	_____
<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 (35 Credits):**

	CR	SEMESTER
<b>ADT 100B</b> Introduction to Drafting Theory	3	_____
<b>CADD 100</b> Introduction to Computer Aided Drafting	3	_____
<b>CADD 105</b> Intermediate Computer Aided Drafting	3	_____
<b>CADD 200</b> Advanced Computer Aided Drafting	4	_____
<b>CADD 207</b> Descriptive Geometry	3	_____
<b>CADD 210B</b> CADD Project	4	_____
<b>CADD 250</b> CAD Systems Management	3	_____
<b>Plus 12 credits from the following:</b>		
<b>ADT 201B</b> Introduction to Building Information Modeling	3	_____
<b>CADD 230B</b> Civil Drafting I	4	_____
<b>CADD 231</b> Civil Drafting II	4	_____
<b>CONS 120B</b> Printreading and Specifications	3	_____

**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.