

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

This AAS degree prepares students to inspect and oversee construction of commercial and residential buildings, including sustainable (green) construction. Students learn proper procedures and materials that comply with plans, specifications, building codes, energy audits and the LEED rating system. Students are prepared for employment as construction estimators, project managers, green specialists, energy auditors and other supervisory positions in the construction industry. Along with special program courses, academic skills emphasizing math, science and human relations components are stressed to prepare students to meet the challenges common in the workplace.

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

- Identify items, elements or systems in a construction project by manually and visually identifying what is necessary for its construction, accurately calculate the quantities needed and estimate its total installed cost.
- Describe the structure of the Nevada court system, identify the main elements and key dates of Nevada lien laws and describe the main elements of an enforceable construction contract.
- Compare the advantages of utilizing green construction materials over the more conventional construction materials, including how the materials are produced, the general properties of the material and the material is installed.
- Explain the construction field administration phase, including describing contract documents, construction schedules, submittals, reports and close-out elements.
- Describe sustainable construction and the importance of USGBC, LEED standards and the LEED rating system.

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

	CR	SEMESTER
<b>COMMUNICATIONS:</b> ENG 107	3	_____
<b>ENGLISH:</b> ENG 100, 101, 113	3-5	_____
<b>HUMAN RELATIONS:</b> PHIL 135	3	_____
<b>MATHEMATICS:</b> MATH 116 or above (except MATH 122, 123)	3	_____
<b>SCIENCE:</b> ENV 101, GEOG 103	6	_____
<b>FINE ARTS/HUMANITIES/ SOCIAL SCIENCES:</b> COM 101	3	_____
<b>U.S. AND NEVADA CONSTITUTIONS:</b> PSC 101 or HIST 101 and HIST 217	4-6	_____

**SPECIAL PROGRAM REQUIREMENTS (36 Credits):**

	CR	SEMESTER
<b>CONS 120B</b> Printreading and Specifications	3	_____
<b>CONS 121B</b> Principles of Construction Estimating	3	_____
<b>CONS 282B</b> Construction Law	3	_____
<b>CONS 286B</b> Construction Management and Analysis	3	_____
<b>SCT 101B</b> Fundamentals of Sustainable Construction	3	_____

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	CR	SEMESTER
<b>SCT 105B</b> Sustainable Construction Materials	3	_____
<b>SCT 201B</b> Sustainable Construction of New Buildings	3	_____
<b>SCT 202B</b> Sustainable Construction of Existing Buildings	3	_____
<b>FOR CONSTRUCTION MANAGEMENT:</b>		
<b>BI 101B</b> Introduction to Building Codes	4	_____
<b>BUS 101</b> Introduction to Business	3	_____
<b>CONS 221</b> Construction Estimating II	3	_____
<b>CONS 281B</b> Construction Planning, Scheduling and Control	3	_____
<b>FOR SUSTAINABLE CONSTRUCTION TECHNOLOGY:</b>		
<b>CONS 288B</b> Quality Control of Construction Waste	3	_____
<b>SCT 113B</b> Renewable Energy Efficiency	3	_____
<b>SCT 210B</b> Sustainable Technology	3	_____
<b>SCT 290B</b> Legal Development of Sustainable Construction	3	_____

**ASSOCIATE OF APPLIED SCIENCE**

**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.