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):

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COMMUNICATIONS:
ENG 107

ENGLISH:
ENG 100, 101, 113

HUMAN RELATIONS:
PHIL 135

MATHEMATICS:
MATH 116 or above (except MATH 122, 123)

SCIENCE:
ENV 101, GEOG 103

FINE ARTS/HUMANITIES/SOCIAL SCIENCES:
COM 101

U.S. AND NEVADA CONSTITUTIONS:
PSC 101 or HIST 101 and HIST 217

SPECIAL PROGRAM REQUIREMENTS (36 Credits):

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CONS 120B  Printrreading and Specifications
CONS 121B  Principles of Construction Estimating
CONS 282B  Construction Law
CONS 286B  Construction Management and Analysis
SCT 101B  Fundamentals of Sustainable Construction

Continued from previous column.

SCT 105B  Sustainable Construction Materials
SCT 201B  Sustainable Construction of New Buildings
SCT 202B  Sustainable Construction of Existing Buildings

FOR CONSTRUCTION MANAGEMENT:
BI 101B  Introduction to Building Codes
BUS 101  Introduction to Business
CONS 221  Construction Estimating II
CONS 281B  Construction Planning, Scheduling and Control

FOR SUSTAINABLE CONSTRUCTION TECHNOLOGY:
CONS 288B  Quality Control of Construction Waste
SCT 113B  Renewable Energy Efficiency
SCT 210B  Sustainable Technology
SCT 290B  Legal Development of Sustainable Construction

Continued in next column.

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.