

CERTIFICATE OF ACHIEVEMENT

This Certificate of Achievement prepares students to inspect and oversee the 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.

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 (3 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 102, 215, ENG 100, 101, 102, 107, 113, 114, 205, JOUR 102, THTR 105	3-5	_____

SPECIAL PROGRAM REQUIREMENTS (27 Credits):

	CR	SEMESTER
CONS 120B Printreading and Specifications	3	_____
MATH 116 Technical Mathematics or above (except MATH 122, 123)	3	_____
SCT 101B Fundamentals of Sustainable Construction	3	_____
SCT 105B Sustainable Construction Materials	3	_____

FOR CONSTRUCTION MANAGEMENT:

BI 101B Introduction to Building Codes	4	_____
CONS 121B Principles of Construction Estimating	3	_____
CONS 281B Construction Planning, Scheduling and Control	3	_____
CONS 282B Construction Law	3	_____
CONS 286B Construction Management and Analysis	3	_____

FOR SUSTAINABLE CONSTRUCTION TECHNOLOGY:

SCT 113B Renewable Energy Efficiency	3	_____
SCT 201B Sustainable Construction of New Buildings	3	_____
SCT 202B Sustainable Construction of Existing Buildings	3	_____
SCT 210B Sustainable Technology	3	_____
SCT 290B Legal Development of Sustainable Construction	3	_____

Computation included in MATH 116

Human Relations included in SCT 105B

30
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.