

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

This degree prepares students to inspect and oversee construction of commercial and residential buildings, to include sustainable (green) construction. Students learn proper procedures and materials that comply with plans, specifications, building codes and the LEED rating system. Students are prepared for employment as construction estimators, project managers, green specialist and other supervisory positions in the construction industry.

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

Construction Management:

- Comprehend 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 digitally by computer 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.

Sustainable Construction:

- Comprehend green building construction and describe the role of USGBC, LEED standards and the LEED rating system.
- Compare the advantages of utilizing green construction materials over the more conventional construction materials.

GENERAL EDUCATION REQUIREMENTS (26 Credits):

| | CR | SEMESTER |
|--|-----|----------|
| COMMUNICATIONS: ENG 107 | 3 | _____ |
| ENGLISH: ENG 100, 101, 113 | 3-5 | _____ |
| HUMAN RELATIONS: PHIL 135 | 3 | _____ |
| MATHEMATICS: MATH 126 | 3 | _____ |
| SCIENCE: GEOG 103, and PHYS 151 | 7 | _____ |
| FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: COM 101 | 3 | _____ |
| U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 217 | 4-6 | _____ |

SPECIAL PROGRAM REQUIREMENTS (42 Credits):

| | CR | SEMESTER |
|--|----|----------|
| ADT 130B Fundamentals of Green Architecture | 3 | _____ |
| CONS 108B Construction Materials and Methods | 3 | _____ |
| CONS 120B Printreading and Specifications | 3 | _____ |
| CONS 121B Principles of Construction Estimating | 3 | _____ |
| CONS 205B Construction Site Safety OSHA Standards | 3 | _____ |
| CONS 282B Construction Law | 3 | _____ |
| CONS 286B Construction Management and Analysis | 3 | _____ |
| SCT 101B Fundamentals of Sustainable Construction | 3 | _____ |

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| | CR | SEMESTER |
|--|----|----------|
| CONSTRUCTION MANAGEMENT: | | |
| ACC 201 Financial Accounting | 3 | _____ |
| BI 101B Introduction to Building Codes | 4 | _____ |
| BUS 101 Introduction to Business | 3 | _____ |
| CONS 221 Construction Estimating II | 3 | _____ |
| CONS 281B Construction Planning, Scheduling and Control | 3 | _____ |
| CONS 284B Construction Contract Documents | 3 | _____ |
| SUSTAINABLE CONSTRUCTION TECHNOLOGY: | | |
| SCT 105B Green Building Trade Systems | 3 | _____ |
| SCT 113B Energy Efficiency Theory and Applications | 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 | _____ |

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.

68
Total Credits

ASSOCIATE OF APPLIED SCIENCE