BACHELOR OF APPLIED SCIENCE

CONSTRUCTION MANAGEMENT

Construction Management (BAS)

This degree allows those who have completed an associate degree in construction technology to progress academically and earn a bachelors degree.

The Bachelor of Applied Science degree in Construction Management offers associate degree students, new students and skilled workers an educational route toward a career as a construction manager or supervisor. The 120-credit program combines knowledge in construction methods, planning and project management with business and supervisory skills. It also allows those already working in the construction field to enroll in an applicable baccalaureate degree program and expand career advancement possibilities. Students must meet with a counselor and be admitted into the program.

To apply for this program, please fill out the appropriate application on the Admission and Records Forms page.

1. Complete a minimum of 30 college units or equivalent with a minimum 2.0 GPA.
   Within the 30 units:
   - A minimum of 12 units must be in applicable construction courses. This requirement may be waived if the student has construction experience.
   - A minimum of 12 units must be in applicable general education classes, including English 101, with a grade of C or better a grade of C or lower will not be acceptable.
     OR:
   - Have an associate degree in Construction Management from a regionally accredited institution, **or** an associate degree in Apprenticeship from a Nevada System of Higher Education (NSHE) institution.
2. Meet with a WNC counselor.
3. Submit application to Admission & Records.

Mission:

The mission of the Bachelor of Applied Science Degree in Construction Management is to prepare students for entry-level and mid-level positions within the various construction industry disciplines, and to meet the goals of the Technology Division.

Student Learning Outcomes:

Upon completing the Bachelor of Applied Science in Construction Management program, students will be able to demonstrate:

- Knowledge in basic economic principles, business principles and construction accounting, finances and law.
- Exposure to the design theory and analysis of construction practices and systems.
- Understanding of the utilization of available resources for construction planning, methods and materials.
- Understanding, skill and knowledge of construction documents, communications, graphics and surveying.
- Skill and knowledge in construction accounting, estimating and bidding practices.
- Ability to plan and schedule construction projects.
- Application of relevant administrative skills, ethics, safety practices and problem-solving techniques to construction management.

Required Courses

120 Units

BUSINESS AND MANAGEMENT CORE REQUIREMENTS		**18 Units**
BUS 101	Introduction to Business	3
ACC 201	Financial Accounting	3
Choose 3 units from the following Economics courses:		
ECON 100	Introduction to Economics	3
ECON 102	Principles of Microeconomics	3
ECON 103	Principles of Macroeconomics	3
Choose 3 units from the following Management courses:		
MGT 323	Orgnizational Behavior & Interpersonal Behavior	3
MGT 367	Human Resource Management	3
Choose 6 units from the following Management courses:		
COM 412	Intercultural Communication	3
MGT 462	Changing Environments	3
MGT 469	Managing Cultural Diversity	3
PROGRAM REQUIREMENTS		**66 Units**
CADD 100	Introduction to Computer Aided Drafting	3

CEM 100	Fundamentals of Construction Management	3
CEM 330	Soils and Foundations for Construction	3
CEM 350	Facility Systems Design and Construction I	3
CEM 432	Temporary Construction Structures	3
CEM 451	Construction Estimating	3
CEM 452	Construction Cost Control	3
CEM 453	Construction Scheduling	3
CEM 454	Heavy Construction Methods and Equipment	3
CEM 455	Construction Management Practice	3
CEM 456	Construction Management Capstone	3
CEM 485	Construction Law and Contracts	3
CONS 108	Construction Materials and Methods I	4
CONS 109	Construction Materials and Methods II	4
CONS 111	Commercial Building Codes	3
CONS 118	Construction Contract Documents	2
CONS 120	Blueprint Reading and Specification	3
CONS 121	Principles of Construction Estimating	3
CONS 205	Construction Site Safety	2
CONS 281	Construction Planning Scheduling and Control	3
CONS 451	Advanced Internship in Construction	3
SUR 119	Construction Surveying	3
GENERAL EDUCATION REQUIREMENTS		**36 Units**
English/Communications Requirements		9
Fine Arts/Humanities Requirement		3
Mathematics: MATH 126 or higher		3
Science Requirement		6
Social Sciences Requirement		3
U.S. and Nevada Constitution Requirement		3
General Electives		9

See Bachelor of Applied Science Degree for a list of courses to fulfill these requirements.

Suggested Course Sequence

Bachelor of Applied Science - Construction Management

First Semester	**Units**	**Fifth Semester**	**Units**
CEM 100	3	ACC 201	3
CONS 108	4	Bus/Management Course	3
ENG 101	3	English/Comm Course	3
MATH 126 or higher	3	Fine Arts Course	3
Science Course	3	Science Course	3
Second Semester	**Units**	**Sixth Semester**	**Units**

CONS 109	4	CEM 330	3
CONS 118	3	CEM 350	3
CONS 120	3	CEM 432	3
ENG 102	3	Bus/Management Course	3
Math Course	3	Social Science Course	3
Third Semester	**Units**	**Seventh Semester**	**Units**
CADD 100	3	CEM 451	3
CONS 111	3	CEM 453	3
CONS 121	2	CEM 454	3
Humanities Course	3	CEM 455	3
General Elective	3	Bus/Management Course	3
Fourth Semester	**Units**	**Eighth Semester**	**Units**
CONS 205	2	CEM 452	3
CONS 281	3	CEM 485	3
SUR 119	3	CONS 451	3
Economics Course	3	Capstone Course	3
U.S./Nevada Consitution	3		