

# CONS - CONSTRUCTION

## CONS 101 - Introduction to Construction Technology **Units: 3**

This course is designed to give students with the ambition of careers in the construction industry the foundation required to be successful in further study in all areas of the industry. Topics include: basic safety, basic math, introduction to hand tools, introduction to power tools, introduction to blueprints, basic rigging. This course may be repeated for up to six credits.

*Transferability: May not transfer towards an NSHE bachelor's degree*

## CONS 111 - Commercial Building Codes **Units: 3**

A basic course designed to introduce current building codes, with emphasis placed on the development and proper use of the code. Students will learn the format of the building code and develop an understanding of the provisions contained therein.

*Transferability: May not transfer towards an NSHE bachelor's degree*

## CONS 121 - Principles of Construction Estimating **Units: 3**

A basic course designed to help construction professionals develop their understanding of the material take off or quantity survey process for estimating. Specific estimating methods for assemblies of materials and by trade will form the basis for the approach used in class. The course will emphasize the basic formulas for area and volume for materials measurement and how it is used in manual and computerized estimating software. Use of online plan and document bid services will supplement the class lectures and text.

*Transferability: May not transfer towards an NSHE bachelor's degree*

## CONS 155 - On-Site Construction Supervision **Units: 3**

On-Site Supervision provides the basis for that education. It is a comprehensive, competency-based program that gives both veteran and new field managers a step by step approach to honing natural abilities, developing essential skills, and generally improving their performances as leaders. This course may be repeated for up to four credits.

*Transferability: May not transfer towards an NSHE bachelor's degree*

## CONS 198 - Special Topics in Construction **Units: 0.5-6**

Various short courses and experimental classes covering a variety of subjects. The course will be a variable credit of one-half to six credits depending on the course content and number of hours required. The course may be repeated for up to six credits.

*Transferability: May not transfer towards an NSHE bachelor's degree*

## CONS 205 - Construction Site Safety **Units: 3**

Safety and risk management curriculum is designed for construction supervisory personnel. The course includes the required 30 hours of authorized training as required by Nevada law to earn an OSHA 30 card. In addition, salary and benefits, payroll burdens, profitability, workmen's compensation, unemployment insurance and general liability insurance will be covered as part of the risk management topics associated with construction management best practices.

*Transferability: May not transfer towards an NSHE bachelor's degree*

## CONS 211 - Construction Cost Control **Units: 3**

This course is one of a series prepared for professional construction supervisors to help them become better supervisors. The instructor acts as a discussion stimulator and program guide in exposing the students to a variety of resources: workbooks with exercises, role-playing, case studies, critical incident studies, simulation, audio-tape presentation and testing. Topics include: the construction cycle, estimates, work and cost analysis, reporting and cost comparison, short interval production scheduling and production control.

*Transferability: May not transfer towards an NSHE bachelor's degree*

## CONS 221 - Construction Estimating II **Units: 3**

This is a continuation of CONS 121, Principles of Construction Estimating with an emphasis on more complex construction projects and the use of current industry computer applications.

*Enrollment Requirements: Prerequisite: CONS 121.*

## CONS 281 - Construction Planning, Scheduling and Control **Units: 3**

The course will explain the various types of schedules used in the construction industry and the specific applications for successful project planning. The evolution of the scheduling process will be discussed, and examples of bar charts, Gantt charts, CPM and PERT scheduling techniques will be used throughout the class in presentations and practical assignments.

*Transferability: May not transfer towards an NSHE bachelor's degree*

## CONS 282 - Construction Law **Units: 2-3**

This course is one of a series prepared for professional construction supervisors to help them become better supervisors. The instructor acts as a discussion stimulator and program guide in exposing the students to a variety of resources: workbooks with exercises, role-playing, case studies, critical incident studies, simulation, audio-tape presentation and testing. Topics include: contracts, contract risk, changes and differing site conditions clauses, how to read a construction contract, negotiation, documentation, liens, bonds and closing out the job and case histories.

*Transferability: May not transfer towards an NSHE bachelor's degree*

## CONS 283 - Construction Documents and Specifications **Units: 2**

A basic course designed to help professional construction managers and supervisors understand the many different types of documents used in construction and how they relate to the various projects within their specific company and the construction industry.

*Transferability: May not transfer towards an NSHE bachelor's degree*

## CONS 290 - Internship in Construction **Units: 1-8**

A course designed wherein students will apply knowledge to real on the job situations in a program designed by a company official and faculty advisor to maximize learning experiences. Available to students who have completed all core and major requirements and have a 2.5 GPA. Contact the appropriate chairperson for the application, screening and required skills evaluation. Up to 8 hour credits may be earned on the basis of 100 hours of internship for 1 credit. May be repeated for up to 8 credits.

*Transferability: May not transfer towards an NSHE bachelor's degree*