

Certificate: Construction Field Supervision

Certificate Description:

The construction field supervision certificate prepares current construction craftsmen to assume construction supervisory responsibilities. This certificate is developed and granted by BYU-Idaho.

Course Code	Course Name	14 Credits
ARCH 270	Construction Documents	3 Credits
CONST 320	Construction Safety	3 Credits
CONST 330	Construction Estimating	3 Credits
CONST 380	Project Management	2 Credits
CONST 420	Construction Scheduling	3 Credits

Course Descriptions:

ARCH 270 (3 credits) – Construction Documents

This course will provide in-depth information about the preparation and content of documents within a project manual. It will define and explain different types of contracts and specifications. How to write specifications will be taught and practiced during the course of the class. It will include, but not be limited to, subjects like coordinating drawings and specifications, bidding requirements, construction contracts, methods of specifying, substitutions, and warranties.

CONST 320 (3 credits) – Construction Safety

Students will learn how employee safety is critical to the successful completion of any construction project. This course introduces students to OSHA policies, procedures, and standards, as well as construction safety and health principles. Special emphasis will be placed on recognizing the most common safety hazards in the construction industry. Upon satisfying attendance requirements, students will receive an OSHA 30-hour construction course completion card.

CONST 330 (3 credits) – Construction Estimating

The purpose of this course is to introduce the student to the principles of construction cost estimates, including organizing and planning an estimate, developing material and labor databases, preparing accurate quantity takeoffs, and developing an understanding of overhead and profit.

CONST 380 (2 credits) – Project Management

Students in this course learn the objectives that define a successful project using varying delivery methods in commercial building construction. Students will learn how to use the tools the project manager uses to successfully manage the construction of a building project.

CONST 420 (3 credits) – Construction Scheduling

Students in this course learn the styles and techniques of creating a construction schedule by breaking down the project scope and developing schedule activities, durations, and a network of logical relationships to calculate projected start and finish dates.

Outcomes:

- Utilize construction documents, such as drawings and specifications
- Create and use construction budgets
- Manage people, time, and equipment in the construction environment
- Plan and carry out work in a safe manner
- Schedule work and manage productivity through the Critical Path Method

Potential Employment:

- Construction site supervisor