

# Construction Management

The Construction Management major prepares students to oversee and coordinate construction projects from start to finish, ensuring they are completed on time, within budget, and to required quality standards. Students gain knowledge in project planning, budgeting, safety protocols, and leadership while developing technical skills related to construction processes and materials. This major is ideal for those interested in combining technical expertise with management responsibilities. Typical industry sectors include commercial and residential construction, infrastructure development, project management, real estate development, and construction consulting.

## Job Title Examples:

- Assistant Project Manager
- Construction Estimator
- Field Engineer
- Site Coordinator
- Construction Scheduler
- Junior Construction Manager
- Safety Officer
- Project Administrator
- Quality Control Technician
- Purchasing Coordinator

## Hard and Soft Skills Needed:

### Hard Skills:

1. Project Scheduling
2. Cost Estimation
3. Blueprint Reading
4. Knowledge of Construction Materials and Methods
5. Safety Compliance

### Soft Skills:

1. Leadership
2. Communication
3. Problem-Solving
4. Teamwork
5. Time Management

### **Further Education/Training Required and/or Suggested:**

A BS in Construction Management prepares students for entry-level roles, but additional training or certifications can enhance employability and career advancement:

To Enter the Field:

1. OSHA Safety Certifications (10/30-hour): Often required for safety compliance.
2. Software Skills: Proficiency in tools like AutoCAD, Revit, or BIM software is highly valued.

To Advance:

1. Professional Certifications:
  - Certified Construction Manager (CCM)
  - Project Management Professional (PMP)
  - LEED Accreditation for green building projects.
2. Specialized Training: Advanced skills in BIM or project management tools.

Summary:

While not required to start, certifications (e.g., OSHA, CCM, PMP) and specialized skills significantly enhance career prospects.

### **Professional or Student Associations:**

- Associated General Contractors of America
- Society of Women Engineers
- National Society of Black Engineers
- Construction Management Association of America (CMAA)
- National Association of Home Builders (NAHB)