Construction Engineering Management Technology Majors examines the methods and materials that are used in the built environment, which includes: residential and commercial buildings; roadways and bridges; hospitals and healthcare facilities; water and wastewater treatment plants; pipelines and telecommunications. The CEMT curriculum prepares students for professional leadership positions in the construction industry. Fundamental knowledge areas addressed in the curriculum include construction contract administration, specification writing, construction field operations, construction scheduling/project control, construction costs and bidding, and construction management. Additional course work in economics, law, management, mathematics, lab sciences, and written and oral communication are additional components to the CEMT curriculum.

Where Can I Get More Information?

- Purdue School of Engineering and Technology
  Office: ET 201  Phone: (317) 278-4405
  engr.iupui.edu

- American Institute of Constructors
  www.aicnet.org

- Construction Technology Today
  www.construction-today.com

Sample Coursework

- Construction Accounting
- Construction Materials and Systems
- Construction Field Operations
- Construction Cost & Bidding
- Construction Scheduling
- Project Management

Possible Career Opportunities

- Construction Manager
- Project Manager
- Construction Estimator
- Construction Scheduler
- Construction Field Superintendent
- Construction Field Engineer

Employment and Graduate School Information

Employment Outlook
Employment opportunities for CEMT graduates are extensive. The CEMT program prepares students with the knowledge and expertise to pursue any number of professional construction careers. Employment of construction professionals is projected to grow 16 percent from 2015 to 2022 which is greater than the average for all other occupations. Construction professionals will be needed as overall construction activity increases over the coming decade. The increasing complexity of construction projects will also boost demand for specialized management-level personnel within the construction industry. In addition, advances in building materials and construction methods; the need to replace major portions of the nations' infrastructure; and the growing number of multipurpose buildings and energy-efficient structures will further add to the demand for more construction professionals.

Salary Expectations
The following salary information is based on national salary ranges which are greatly impacted by location and relative cost of living. Median annual earnings of wage and salary construction managers 2013 was $75,200. The middle 50 percent earned between $58,500 and $101,350. The lowest paid 10 percent earned less than $45,210 while the highest paid 10 percent earned more than $140,000.

This section is intended for informational purposes, not predication of actual salary. Salary information is based on national salary ranges which are greatly impacted by location and relative cost of living.

Graduate/Professional School Opportunities
Upper-level leadership positions in the construction industry, Business Administration, Property Management, Land Planning, and Project Management, and Engineering Field.

Interest Code

- Realistic
- Investigative
- Enterprising

Where Could I Work?

- Civil Engineering/Architect Firms
- Commercial Building Companies
- Residential Building Companies
- Hospital/Industrial Building Companies
- Government Agencies (federal, state, and local)