CONSTRUCTION ENGINEERING & MANAGEMENT

1,000 UNDERGRADUATES
3,000 GRADUATE STUDENTS
1,000 CAMPUSWIDE STUDENT ORGANIZATIONS
100 ENGINEERING STUDENT ORGANIZATIONS
7,800 UNDERGRADUATES
4 CEM FOCUSED STUDENT ORGANIZATIONS
100% JOB PLACEMENT RATE
16 MAJORS
126 CREDIT HOURS

CEM IS OFFERED BY THE INTERNATIONALLY RENOWNED PURDUE COLLEGE OF ENGINEERING.

Purdue College of Engineering IS RANKED #9 IN THE U.S. (U.S. News & World Report)

MORE THAN 180 COMPANIES IN CEM'S HISTORY, STUDENTS HAVE WORKED WITH

EVERY SUMMER WE PLACE STUDENTS WITH OVER 30 SPONSOR COMPANIES

THE LANDSCAPE OF OUR COUNTRY IS YOUR PLAYGROUND. WHAT DO YOU WANT TO BUILD?

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WE'VE HELPED STUDENTS
GET ORGANIZED:
THREE TWELVE-WEEK PAID INTERNSHIPS

THE PURDUE COLLEGE OF ENGINEERING IS

MANY OF THE NATION’S LARGEST AND MOST ADVANCED CONSTRUCTION FIRMS.

STUDENTS COMPLETE THREE TWELVE-WEEK PAID INTERNSHIPS

SCHOOL OF ENGINEERING EDUCATION
Purdue University
701 W. Stadium Ave.
West Lafayette, IN 47907
765-494-9713
engr-info@purdue.edu

FOR MORE INFORMATION ABOUT CEM:
CONSTRUCTION ENGINEERING AND MANAGEMENT
550 Stadium Mall Drive
West Lafayette, IN 47907
765-494-2243
cem@purdue.edu
www.purdue.edu/CEM

FOR MORE INFORMATION ABOUT THE FIRST-YEAR ENGINEERING PROGRAM:
A CONSTRUCTION ENGINEERING AND MANAGEMENT (CEM) PERSPECTIVE
A PURDUE ENGINEERING PERSPECTIVE

CEM FACULTY AND STAFF SUPPORT COLLEGE THROUGH THE JOB SEARCH PROCESS.

THE ENGINEERING PROGRAM: ADMISSION:
WITH A FOCUS IN CONSTRUCTION OPERATIONS MANAGEMENT
A STRONG SENSE OF COMMUNITY
SMALL CLASS SIZES
HIGH-ENERGY LEARNING ENVIRONMENT

STUDENTS HAVE WORKED WITH OVER 30 SPONSOR COMPANIES

CONSTRUCTION ENGINEERING AND MANAGEMENT (CEM) PERSPECTIVE
FROM ALL PERSPECTIVES
AS A CONSTRUCTION ENGINEER, RESPONSIBILITIES MAY INCLUDE:

- Planning and overseeing the construction operations of a project including: conducting site layout, scheduling, selecting equipment, organizing the work crew, managing materials, safeguarding the environment and building temporary structures.
- Checking and modifying plans and specifications for constructability, efficiency and safety.
- Developing cost estimates and preparing bids.
- Utilizing Building Information Modeling (BIM) software for 3D models.
- Managing subcontractor firms.
- Working with the owner to ensure that the project meets requirements.
- Solving job-site problems, moving between the field and office.
- Gaining additional education and training.

As their careers progress, CEM graduates can take the Professional Engineering (PE) exam, expect to move into senior management, and attain executive positions or even ownership in the construction industry.

HOW DO CEM GRADUATES SPEND THEIR TIME?

Student organizations provide opportunities for friendship, learning and leadership development beyond the classroom. Many CEM students are members of groups like Beta Tau (CEM Honorary Fraternity), Construction Engineers for the Future (CEF), United States Green Building Council (USGBC), and Design-Build Institute of America (DBIA).

WHO HIRE CONSTRUCTION ENGINEERS?

- General Contractors (bridges, roads, buildings, healthcare; data centers and sports buildings)
- Owners and Developers
- Mechanical/Electrical Contractors
- Renewable Energy/Utilities
- Consulting and Design Firms
- Oil and Gas Industry
- Aviation Industry
- Law Firms*
- Historical Restoration*

*additional schooling may be necessary

CEM graduates earn high, competitive starting salaries.

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A GRADUATE PERSPECTIVE

A GENERAL PERSPECTIVE

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