


WHY UW?

400+ MERIT-BASED SCHOLARSHIPS
ARE OFFERED EACH YEAR

90% OF CEAS COURSES ARE TAUGHT
BY **ENGINEERING FACULTY**

18:1 STUDENT-FACULTY RATIO
 (PLUS, AVERAGE
CLASS SIZE OF 28)

88% RATE OF EMPLOYMENT IN
STUDENT'S CHOSEN FIELD W/IN
SIX MONTHS OF GRADUATION

3 RESIDENCE HALL FLOORS WITH A
COMPUTING LABORATORY ARE DESIGNATED
FOR ENGINEERING STUDENTS ONLY

25+ **RECOGNIZED ENGINEERING STUDENT ORGANIZATIONS**
GET INVOLVED IN ASCE (AMERICAN SOCIETY OF CIVIL ENGINEERING),
AEI (ARCHITECTURAL ENGINEERING INSTITUTE), TBP (TAU BETA PI),
SWE (SOCIETY OF WOMEN ENGINEERS) AND MANY MORE.

CONTACT INFORMATION

1000 E. University Ave. Laramie, WY 82071
Phone: 307-766-4253
Email: enginfo@uwyo.edu
uwyo.edu/civil



COLLEGE OF
**ENGINEERING &
APPLIED SCIENCE**

UNIVERSITY
OF WYOMING

CIVIL AND ARCHITECTURAL ENGINEERING FACULTY

Anthony Denzer - Dept. Head
Ph.D., University of California, Los Angeles, 2005

Mohamed M. Ahmed
Ph.D., P.E., University of Central Florida, 2012

Michael G. Barker
Ph.D., P.E., University of Minnesota, 1990

Kevin M. Befus
Ph.D., University of Texas at Austin, 2015

Jonathan A. Brant
Ph.D., P.E., University of Nevada, 2003

Jon A. Gardzelewski
M.Arch., AIA, University of Oregon, 2005

Shawn Griffiths
Ph.D., University of Texas at Austin, 2015

John P. Judd
Ph.D., P.E., Virginia Tech, 2015

Ryan Kobbe
M.S., P.E., Washington State University, 2005

Khaled Ksaibati
Ph.D., P.E., Purdue University, 1990

David Mukai
Ph.D., University of Washington, 1991

Matthew Newman
M. Arch., M.S. AIA, University of Colorado, 2008

Kam Ng
Ph.D., P.E., Iowa State University, 2011

Fred Ogden
Ph.D., P.E., P.H., Colorado State University, 1992

Noriaki Ohara
Ph.D., University of California, Davis, 2003

Andrew D. Parsekian
Ph.D., Rutgers University, 2011

Gang Tan
Ph.D., P.E., Massachusetts Institute of Technology, 2005

Jennifer Eisenhauer Tanner
Ph.D., P.E., University of Texas at Austin, 2003

Michael A Urynowicz
Ph.D., P.E., Colorado School of Mines, 2000

Liping Wang
Ph.D., P.E., National University of Singapore, 2007

Jianting Zhu
Ph.D., P.E., Dalhousie University, 1996

Milan Zlatkovic
Ph.D., P.E., University of Utah, 2012



COLLEGE OF
**ENGINEERING &
APPLIED SCIENCE**

UNIVERSITY OF WYOMING

*BUCKING THE SYSTEM
SINCE 1886.*

CONSTRUCTION MANAGEMENT

uwyo.edu/civil

CONSTRUCTION MANAGEMENT

at the University of Wyoming is new degree program offered through the Department of Civil and Architectural Engineering. Construction Management as an occupation is growing at a faster rate than any other occupation in the United States. The increasing complexity of new buildings and industrial (horizontal) construction prompts this growth along with an increase in projected retirements of current Construction Managers. The Construction Management program at the University of Wyoming seeks to prepare a future workforce capable of competing in and driving technological advancements in construction industries.

DEGREE PROGRAMS

The College of Engineering & Applied Science is offering a Bachelor of Science, Minor and Certificate in Construction Management

WHAT IS CONSTRUCTION MANAGEMENT?

Construction Managers coordinate and supervise a variety of projects ranging from building public, residential, commercial and industrial structures. They also work on roads, bridges, and large industrial sites. A construction manager can work with a client from design to finish on a project. The UW Construction Management curriculum prepares students to:

- Create construction project safety plans, cost estimates, budgets, and work timetables
- Assess construction documents for planning and management of construction processes
- Analyze methods, materials, and equipment used to construct projects
- Apply electronic-based technology to manage the construction process
- Explore basic surveying techniques for construction layout and control
- Learn collaborative construction management skills with a multi-disciplinary team
- Investigate methods of project delivery, accounting and cost control, construction quality assurance and control, and project control processes.
- Interpret the legal implications of contract, common, and regulatory law to manage a construction project.
- Explore the basic principles of sustainable construction and structural behavior
- Understand the basic principles of mechanical, electrical and piping systems

DID YOU KNOW?

\$91,370

THE AVERAGE ANNUAL SALARY FOR CONSTRUCTION MANAGERS WAS \$91,370 IN 2017.

11% GROWTH

PROJECTED JOB GROWTH RATE BETWEEN 2016-2026 IS 11%, FASTER THAN AVERAGE FOR ALL OCCUPATIONS.

10 KEY RESPONSIBILITIES

PLANNING • HIRING • FIRING • SUPERVISE • GOAL SETTING • TIMELINESS
BUDGET • COMMUNICATION
RISK MANAGEMENT • CONTRACTS



CURRICULUM

The University of Wyoming's Construction Management program uniquely positions graduates by providing an innovative curriculum with an emphasis on BIM (building information modeling). BIM uses virtual design and computer modeling to provide a digital representation of the building site that informs early decision making in the construction process to better predict and plan for the demands of new construction. BIM has become a standard in the construction industry and makes complex construction sites safer, more efficient and more cost effective through the use of technology. In addition to BIM coursework, the curriculum also includes engineering, business, and design coursework. This combination of coursework is designed to provide a well-rounded curriculum that incorporates cutting edge technology. After the first graduating class, this program is expected to receive accreditation from the American Council for Construction Education, ACCE.

Find out more at uwyo.edu/civil