CIVIL AND ARCHITECTURAL ENGINEERING FACULTY

Anthony Denzer, 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
Johnn 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

Residence Hall floors with a computing laboratory are designated for engineering students only.

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 more.

Contact: bucking the system since 1886.

Why UW?

In Information

Civil and Architectural Engineering Faculty

Contact Information

Phone: 307-766-4253
Email: enginfo@uwyo.edu

uwyo.edu/civil
CONSTRUCTION MANAGEMENT

At the University of Wyoming is a 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

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

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