

COLLEGE OF ENGINEERING

Civil Engineering & Engineering Mechanics

Construction Engineering Management Program



Building the Ranks of Skilled Workers

The University of Arizona's construction engineering management and heavy construction engineering program for undergraduate students provides practical, **career-oriented courses** for promising young engineers who want to work in construction.

- project delivery methods
- quantity take-off and cost estimating
- equipment
- contract documents
- cash flow
- risk management
- scheduling
- leadership

“ I have always admired seeing projects come to life. The CEM courses in construction management and cost estimating have been realistic, challenging and rewarding, and a mentorship with an industry professional has been a great source for advice and guidance. I look forward to applying my skills and knowledge. ”

Abigail Davidson, *UA civil engineering, Class of 2016*



“ The construction engineering management program emphasizes practical content informed by industry practice. The program stresses working with industry leaders in the classroom and in the field. It gives students first-hand career knowledge and provides the industry with students trained and ready to work in construction. ”

Mark Woodson (*UA BSCE 1979, MBA 1985*), *president, Woodson Engineering and Surveying Inc.; president, American Society of Civil Engineers 2016*



Delivering Value to Construction Companies

Construction companies tap into a pool of UA civil engineering and engineering management graduates with the knowledge and motivation to make immediate contributions in the industry.

- access to highly qualified interns and prospective employees
- reduced training and new hire costs
- collaboration with faculty and input into the curriculum

“ The CEM Program has a strong partnership with industry to address the acute need to educate the next generation of construction industry leaders.” ”

Ramon A. Gaanderse, executive director, Arizona Transportation Builders Association



“ Growing up I was astonished by the prospect of building outstanding structures. Thanks to the construction engineering courses at the UA, I was able to realize that dream and now am enjoying every day on the job. ”

Isaac Gilles, field engineer, Hensel Phelps Construction Co.

Securing CEM's Future

Thank you to the companies, organizations, alumni and friends who have generously supported the program's annual operating expenses!

- Ashton Contractors and Engineers
- Granite Construction Inc.
- Sundt Construction
- ExxonMobil
- KE&G Construction
- Henry George Mackintosh Foundation

To continue growing and sustaining the CEM program, the UA College of Engineering is working to establish a **\$5 million endowment**.

Please consider **making a gift** to the endowment.



“ Students working with our estimating and construction teams gain an understanding of what a career in the construction industry involves, and we get opportunities to preview employment candidates. We look forward to continued support of this outstanding program, and providing careers for its graduates. ”

Todd Keller, vice president and regional manager, Granite Construction Inc.

For more information

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