

Concrete Industry Management at SDSU- Year 2



Concrete Industry Management

- 4 year, BS Degree with a built-in minor
- Began at MTSU in 1996
- Other Universities include NJIT, Texas State Univ. San Marcos, Cal. State Univ. Chico, and now SDSU
- National Website is www.concretedegree.com



Concrete Industry Management

- 1522 Graduates as of 2022 (all 4 universities)
- Graduates are in management positions in all facets of the industry
- Over 80% industry retention
- National and local Patron's groups have \$1.25 million pledged to SDSU over next 5 years (operational and scholarship costs)
- Tremendous industry support





CIM at SDSU

- SDSU was chosen from among several other universities by an Executive Committee appointed by the North Central Region Patrons group
- Centralized location, good facilities, excited and welcoming staff were cited among other reasons
- Program is responsible for recruiting from an 11-state region
- SDSU reciprocates tuition with all states that border SD, plus Colorado
- Tuition is still relatively affordable
- Patron funded (and other industry) scholarships help immensely
- ***And.....***

South Dakota State vs. North Dakota State score: 45-21

Jackrabbits rumble past Bison for first national title

A regular in the Division I playoffs in recent years, the Jackrabbits finally captured an elusive championship



CIM at SDSU

- Soft opening in Fall 2021 -2 students, 2 classes (101, 292)
 - Spring 2022- 4 students, 2 classes (101, 125)
 - Fall 2022- 8 students, 3 classes (101, 292, 210)
 - Spring 2023-12 students, 3 classes (101, 125, 230)
 - Fall 2023-3 freshmen registered currently, 5 classes (101, 292, 210, 310, 370)
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Why CIM? (from the CIM Website, www.concretedegree.com)

- » **A strong job outlook:** To date, the CIM program has provided nearly 100 percent job placement to graduating students. What's more, the Bureau of Labor Statistics projects a faster-than-average employment growth in the construction industry through 2026.
- » **Competitive pay:** Graduates have ranked in the ***top three highest-paid majors*** over the past three years.
- » **Hands-on, real-world experience:** Students obtain valuable experience with state-of-the-art technology, internships, travel to industry events and networking with industry leaders.
- » **A well-rounded curriculum:** In addition to concrete-focused studies, a broad range of courses is offered, including finance, marketing, management, business law, statistics, chemistry and more.
- » **A strong mentoring atmosphere:** Industry Patrons support and advance their local CIM programs by connecting students with concrete professionals, association leaders and industry consultants.
- » **Endless opportunities:** Graduates of the CIM program have pursued a wide variety of careers, such as product management, sales and marketing, construction management, product distribution, construction technology and many more.
- » **Significant scholarship opportunities:** More than \$500,000 in industry-specific, community, company and university scholarships are available for qualifying students.

CIM Scholarships

- CIM NCR Patrons- \$2000/semester
- Nebraska Concrete and Aggregates Association- \$3000/year (NE resident)
- Minnesota Concrete Council- 3 categories, \$1000 to \$4000 each
- Carbon Cure Technologies-\$2000/year, 1 student at each school
- AOE Fellowship (ACI) –up to \$10k/Year
- Iowa Concrete Paving Association-up to \$5k/Year
- SD AGC- Various industry related scholarships
- Plus many other state and local opportunities....



Guest Lectures and Field Trips



- Field Trips to actual industry related facilities, with tours conducted by the facility managers or operators (cement, aggregate, precast, and ready-mix plants)
- Lectures and presentations from industry experts
- Visits to jobsites to observe construction practices in progress

Guest Lecturers/Topics

Michael Hoeft, K&M Construction- *Recent Commercial Concrete Projects and Techniques*

CIM Alums Robert Hostettler/Wyatt Roseman, CalPortland- *Aggregate Mining Processes*

Thor Becken, Cemstone- *Overview of the SDSU CIM Program from Inception to Reality*

Donald Hostettler, Ace Ready Mix- *Admixtures from the Producers' Perspective*

Chuck Cox, GCC Cement- *Cement Manufacturing Process*

Jason Reaves, ACPA- *Concrete Paving*

Art Thompson, NDRMCA- *Concrete Promotion*

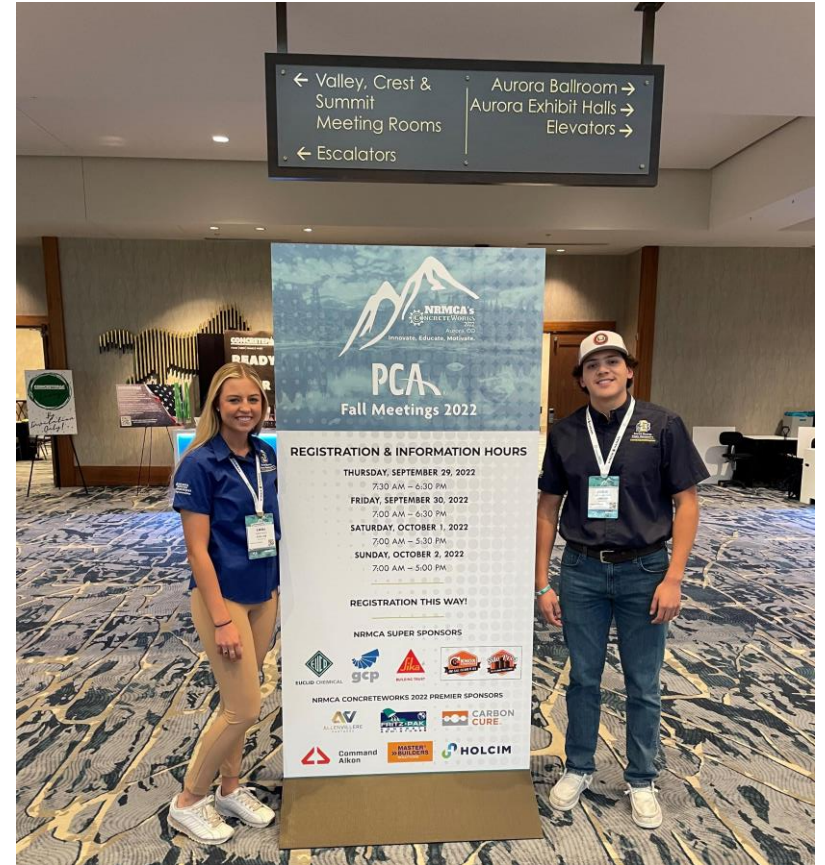
Mark Severson, MN Concrete & Masonry Contractors Assoc- *Introduction to CMU Construction*



Guest Lecturers Continued-

- Hank Hauge, Strata Corporation- CIM 210 Lab, Concrete Set Time Testing and Analysis
- Matt Aberle, MasterBuilders Admixtures- Fiber Reinforcement
- Jake Wood, Mapei Admixtures- Plastic and Hardened Concrete Properties
- CIM Alum Marcus Gates and Aubrey Miller, MasterBuilders- *Transitioning from College to the workforce and Life Post-CIM*
- CIM Alum Travis Marman, Vector Construction- *Concrete Repair Techniques and Applications*





Field Trips



Field Trips



World of Concrete

WOC 2023

Curriculum

Freshman Year, Fall

- CIM 101- Introduction to Concrete Industry Management
- CIM 120-Introduction to Industrial Safety
- CM 130- Management Tools and Analysis
- ENGL 101- Composition 1
- GE 101- Introduction to Engineering and Technical Professions
- Math 114- College Algebra



Curriculum

Freshman Year, Spring

- CIM 125- Plans and Specifications
- Chem 106- Survey of Chemistry
- CMST 101- Fundamentals of Speech
- Econ 201- Principles of Microeconomics
- ENGL 277- Technical Writing in Engineering



Curriculum

Sophomore Year, Fall

- CIM 210- Fundamentals of Concrete- Performance and Testing
- CM 232- Cost Estimating
- Span 101- Introductory Spanish
- PS 243- Principles of Geology



Curriculum

Sophomore Year, Spring

- Acct 210 or ADV 370- Principles of Accounting or Advertising Principles
- CIM 23- Concrete Construction Systems
- MNET 231- Manufacturing Processes
- Span 102- Spanish for the Concrete Industry



Junior Year, Fall

- Acct 211 or Mktg 476- Principles of Accounting II or Marketing Research
- CIM 310- Management of Concrete Facilities
- CIM 370- Concrete Production and Delivery
- CM 460- Sustainable Building Design
- MNET 367- Production Strategy



Junior Year, Spring

- CIM 350-Concrete Applications and Estimating
- CIM 440- Advanced Concrete Materials and Lab
- CSC 325 or MKTG 370- Management Information Systems or Marketing
- FIN 310 or ADV 314- Business Finance or Digital Promotions
- OM 425- Production and Operations Management



Senior Year, Fall

- MGMT 360 or MGMT 334- Organization and Management or Small Business Management
- CIM 450- Industrial Sales and Marketing
- GE 469- Project Management
- OM 463- Supply Chain Management
- STAT 281- Introduction to Statistics



Senior Year, Spring

- CIM 471- Capstone
- CIM 494- Internship
- CM 400- Risk Management and Construction Safety
- CM 473- Construction Law and Contracts
- HRM 460 or MKTG 474- Human Resource Management or Personal Selling



Coming Soon!!

- Minor in Concrete Materials Science
- Virtual CIM degree for industry professionals
- Spanish for the Concrete Industry





How Can You Help?

- Student Recruitment-Top Priority
- Join the North Central Region Patrons' group--thorbecken@cemstone.com
- Be a guest lecturer
- Promote your industry locally (community outreach)

Assistant Program Director Position

Assistant Program Director Construction & Operations Management South Dakota State University

The Construction & Operations Management (COM) Department in the Jerome J. Lohr College of Engineering (COE) at South Dakota State University (SDSU) invites applications for the position of Assistant Program Director of the Concrete Industry Management (CIM) program. This position is eligible to work from a remote location, which includes anywhere in the 11-state region classified as the Concrete Industry Management Program's North Central Region. This includes the states of SD, ND, MN, WI, IL, IA, NE, CO, MT, MI, and KS. However, the successful applicant will be able to travel throughout the region, including visits to the SDSU Main Campus in Brookings, SD. This position is supervised by the CIM Program Director. This position is a 12 month, full-time, benefits-eligible position.

Meet the Students



Questions?

Thank You!!

Tim Hostettler

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605-431-8109



25 Years of Advancing the Industry by Degrees