2026-27 Academic Year

WAYNE STATE COLLEGE

INDUSTRIAL TECHNOLOGY > CONSTRUCTION MANAGEMENT

As new businesses emerge and populations grow, the demand for well-designed structures has never been greater. This creates a need for skilled professionals, including contractors, engineers, and surveyors, to turn ambitious visions into reality. The Construction Management degree program at Wayne State College opens the door to exciting careers in commercial, residential, and civil construction. Our program blends construction technology and business management, ensuring you gain a comprehensive skill set. You'll learn computer-aided design (CAD), surveying, estimating, scheduling, and OSHA safety, while also exploring sustainability and climate control. With hands-on internship opportunities alongside experienced contractors, you'll apply your knowledge in real-world settings, preparing you for the challenges of the industry. Graduating with a Construction Management degree means you'll be equipped to lead projects, ensuring they are completed safely, efficiently, and sustainably. Start building your future today!

fast facts

Credit hours: 63

Students must also take 30 credit hours of General Studies courses. A total of 120 credit hours are needed to graduate from WSC. Additional majors or minors can be added to help meet graduation requirements.

Degree options: B.A. or B.S.

Department: Technology and Applied Science

School: Business and Technology

Popular pairings: Business Administration, Drafting and Design, Interior Design, Safety Management, Spanish

focus on results

Skills Learned

- Manufacturing processes and systems
- Drafting and design
- Construction systems and technology
- Technical drawing with computer-aided design (CAD) software
- Cabinetmaking and millwork
- Manufacturing technology
- Power, energy, and transportation systems
- Electronics and electricity
- Management software applications for estimating and scheduling

Possible Careers

- Construction manager
- General contractor
- Project manager
- Drafter
- Building inspector
- Construction safety supervisor
- Property or facility manager
- Superintendent
- Carpenter
- Equipment manager
- Construction estimator

Types of Employers

- Construction companies
- Architecture firms
- Engineering firms
- Infrastructure companies
- Government / federal agencies
- Fabrication companies
- Schools, colleges, and universities
- Transportation companies
- Power and utility companies
- Self-employed contractor

outside the classroom

Visit www.wsc.edu/clubs to learn more about clubs and organizations on campus.

Activities / Opportunities

- Career Scholars Program
- Peer tutoring and mentoring
- Service-Learning

Clubs / Organizations

- Associated General Contractors (AGC)
- Drafting and Design Club
- Epsilon Pi Tau
- FBLA Collegiate
- SkillsUSA

Courses and outcomes

2026-27 Academic Year

The following courses are required for the program of study described on this sheet. Every effort is made to ensure this information is current, but please be aware that some content may have changed. To develop a plan for registering and taking these courses, please consult the current academic catalog and your advisor.

Program courses

For CAT 3, take one of the following: MAT 110 Contemporary Applications of Mathematics, MAT 121 College Algebra, MAT 130 Precalculus, MAT 140 Calculus I, or MAT 180. Take PHS 102 Physical Science Today for CAT 7.

Industrial Technology Core Courses

BIO 104 Environmental Concerns for General Studies 3
BUS 208 Business Communications 3
BUS 471 Principles of Supervision 3
CIS 477 Project Management 3
ITE 111 Introduction to Safety 3
ITE 114 Introduction to Applied Engineering and Technology 3
ITE 202 Construction Systems 3
ITE 205 Introduction to Manufacturing Technology 3
MAT 118 College Mathematics for Industrial Technology 3

Construction Management Concentration Courses

ITE 211 Architectural and Industrial Finishing 3
ITE 214 Residential Drawing 3
ITE 301 Construction Safety 3
ITE 304 Surveying and Print Reading 3
ITE 308 Construction Technology 3
ITE 314 Architectural Design 3
ITE 367 Building Climate, Energy Control and Sustainability 3
ITE 390 Project Bidding and Estimating 3
ITE 404 Commercial and Structural Design 3
ITE 428 Construction Project Management 3
ITE 438 Commercial Construction 3
Select one of the following 3
ITE 494 Coop Ed Program (3)
ITE 497 Internship (3)

Student learning outcomes

1. Demonstrate effective skills in written, oral, and graphical communication
2. Apply current technologies and tools to identify and solve problems in industrial settings
3. Implement occupational and personal safety, health, and well-being principle
4. Apply management and leadership skills in industrial technology

industrial technology faculty

Visit www.wsc.edu/technology-applied-science-department to learn more about the Department of Technology and Applied Science.

Gerard Ras, Ph.D.
Dean
402-375-7246
Gardner Hall 105
geras1@wsc.edu

John Vinchattle, M.S.
Associate Dean
402-375-7347
Gardner Hall 106B
jovinch1@wsc.edu

Jeff Allen, Ed.D.
Erin Arneson, Ph.D.
Dylan Cerny, MSE
Hannah McGill, M.S.
Dan Mitchell, MSE
Jessie Piper, MSE
Grant Schrick, M.S.

Revised on: 7/22/26