

Technology Management: Facilities Management & Sustainability Option
Bachelor of Science (BS)


Technology management is a field of study designed to prepare technical and/or management-oriented professionals for employment in business, industry, education and government. Technology management is primarily involved with the management, operation and maintenance of complex technological systems while engineering and engineering technology are primarily involved with the design and installation of these systems.

Facilities management & sustainability students will...

- Be prepared to manage facilities, people, and the organizational strategies within a sustainable and professional environment.
- Be prepared for interaction with other professionals such as architects, engineers, contractors and construction and maintenance personnel.
- Learn how to plan, design and manage facilities.
- Learn about duties falling into several categories relating to the integration of operations, maintenance, project management, quality assessment, technology, people, and sustainability as they relate to facility construction and operation.

Becoming Career Ready...

/ Faculty with relevant industry experience work closely with students by providing them with career-ready practical experience and a technology-based curriculum in the state-of-the-art Otto & Della Seabaugh Polytechnic building.

/ Facilities Management & Sustainability graduates can work in a diverse and growing job outlook in business, construction and facilities management and sustainability sectors. Examples of job titles include facilities manager, facilities director, sustainability specialist, production supervisor and sustainability consultant.

/ 100% of Southeast programs offer real-world experience. Facilities Management & Sustainability students earn this experience through a senior design capstone course for students to work in teams to solve open-ended industrial projects. Students also gain valuable hands-on experience through required labs that accompany the technology course work.

/ The path to a successful career starts with you! You can maximize your career development by working closely with Career Services and Southeast faculty – they are here to help you connect your passions, interests and skills to jobs and opportunities in the field. Career Services provides professional career counseling and coaching, resume critiques, practice interviews, job search strategies, career events, networking opportunities and more.

Career Opportunities:

- Facilities Manager
- Facilities Project Manager
- Facilities Operations Specialist
- Facilities Coordinator
- Facility Planner
- Facilities Director
- Facilities Maintenance Manager
- Facilities Administrator
- Supervisor of Building & Grounds
- Property Manager

Professional and Student Organizations

The Construction Management Organization (CMo) offers professional development, social interaction, and leadership opportunities to the students in the construction management and design program of the Department of Industrial and Engineering Technology. CMo also sponsors a team to a student competition in the fall.

The ASHE introduces students to the challenging profession of healthcare facilities management. The goal is to network students with hospitals and healthcare providers through training, meetings and activities. The desired outcome is to identify trends, needs, training, and growth opportunities for both the students and the healthcare organizations.

Special Options with Technology Management

Southeast Missouri State University offers an accelerated master's degree for current Southeast technology management students. For more information, please see the MS: Technology Management degree map.

Southeast also offers a Master of Science in Technology Management.

Transfer and Dual Credit Students

If you have dual credit or transfer credit, please visit our transfer course equivalencies guide at semo.edu/transfercredit.



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This is a guide based on 2019-2020 Undergraduate Bulletin and is subject to change. The time it takes to earn a degree will vary based on several factors such as dual enrollment, remediation, and summer enrollment. Students will meet with an academic advisor each semester and use Degree Works to monitor their individual progress.

CURRICULUM CHECKLIST**TECHNOLOGY MANAGEMENT: FACILITIES MANAGEMENT & SUSTAINABILITY OPTION - 82 Hours****Required Courses:**

- ___ CH181/081/001 Basic Principles of Chemistry (5)
- ___ CM330 Construction Planning and Scheduling (3)
- ___ IM300 Technical Communication (3)
- ___ IM301 Industrial Safety (3)
- ___ IM311 Statistical Process Control (3)
- ___ IM419 Industrial Supervision (3)
- ___ MA116 Precalculus A (3)
- ___ MA117 Precalculus B (3)
- ___ MA139 Applied Calculus (3)
- ___ MN220 Engineering Econ Analysis (3)
- ___ MN260 Technical Computer Programming Applications (3)
- ___ PH120/020 Introductory Physics I (5)
- ___ SW207 Understanding Cultural & Social Diversity (3)
- ___ UI410 Manufacturing Research in a Global Society (3)

Facilities Management & Sustainability Option:

- ___ CM126 Computer Aided Architectural Drafting (3)
- ___ CM226 Residential Architectural Drafting & Design (3)
- ___ CM310 Building Codes & Compliance (3)
- ___ CM320 Construction Cost Estimating (3)
- ___ CM325 Building Mechanical & Electrical Systems (3)
- ___ ET470 Energy Management (3)
- ___ FM504 Facilities Management (3)
- ___ FM544 Sustainable Construction Materials & Technology (3)
- ___ FM554 Facilities Operation and Supervision (3)
- ___ FM564 Sustainable Facility Planning and Design (3)
- ___ FM565 Building Automation & Technology (3)
- ___ IM317 Internship (3)

General Education Requirements – some requirements may be fulfilled by coursework in major program

- Social and Behavioral Sciences – 6 hours
- Constitution Requirement – 3 hours
- Written Communication – 6 hours
- Oral Communication – 3 hours
- Natural Sciences – 7 hours (from two disciplines, one to include a lab)
- Mathematics – 3 hours
- Humanities & Fine Arts – 9 hours (from at least two disciplines)
- Additional requirements – 5 hours (to include UI100 for native students)
- Civics examination

SAMPLE FOUR-YEAR PLAN

	Fall Semester		Spring Semester	
	Course #	Hrs	Course #	Hrs
FIRST YEAR	UI100	3	IM300	3
	EN100	3	MA117	3
	CM126	3	SW207	3
	MA116	3	General Education	3
	General Education	3	General Education	3
	Total	15	Total	15
SECOND YEAR	CH181/081/001	5	CM226	3
	CM310	3	FM504	3
	IM301	3	IM311	3
	MA139	3	PH120/020	5
	General Education	3		
	Total	17	Total	14
THIRD YEAR	CM320	3	FM544	3
	FM564	3	FM554	3
	FM565	3	IM317	3
	General Education	3	MN220	3
	General Education	3	MN260	3
	Total	15	Total	15
FOURTH YEAR	CM325	3	ET470	3
	CM330	3	IM419	3
	IM506	3	UI410	3
	General Education	3	General Education	3
	Elective	3	Elective	2
	Total	15	Total	14

Degree requirements for all students: a minimum of 120 credit hours, completion of the General Education program, completion of 39 senior division hours (300-599), Writing Proficiency Exam (WP003).

Refer to the Undergraduate Bulletin or Degree Works for additional graduation requirements for your program.

Revised
4/29/2019