

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

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.

**Career Planning**

Career preparation is part of the mission of Southeast. 100% of programs offer our students an internship, study-abroad program, clinical opportunity, student teaching or research internship.

The Office of Career Services in Academic Hall 057 can provide students with 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](http://semo.edu/transfercredit).

**To learn more**  
Office of Admissions  
(573) 651-2590  
[admissions@semo.edu](mailto:admissions@semo.edu)  
[semo.edu](http://semo.edu)

**To explore**  
the College of Science,  
Technology, Engineering and  
Mathematics online, visit  
[semo.edu/stem](http://semo.edu/stem)

**For advising**  
Center for Academic Advising  
[semo.edu/advising](http://semo.edu/advising)

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This is a guide based on the 2018-2019 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)

**University Studies Requirements** – some requirements may be fulfilled by coursework in major program

- Social and Behavioral Sciences – 3 hours
- Constitution requirement – 3 hours
- US History 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)

**SAMPLE FOUR-YEAR PLAN**

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

**Degree requirements for all students:** a minimum of 120 credit hours, completion of University Studies program, completion of 39 senior division hours (300-599), Writing Proficiency Exam (WP003), and completion of the Measure of Academic Proficiency and Progress (MAP) at the senior level. Refer to the Undergraduate Bulletin or Degree Works for additional graduation requirements for your program.