Technology Management: Facilities Management & Sustainability Option

SOUTHEAST MISSOURI STATE UNIVERSITY · 1873

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.

ACCREDITED BY ATMAE
The Association of Technology, Management, and Applied Engineering

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. In fact, more than 90% of Southeast students participate in internships, clinical opportunities, student teaching, research assistantships, and study abroad.

Professional career counselors are available for all students. The Office of Career Services in Academic Hall 057 can provide students with professional career counseling, resume critiques, practice interviews, job search strategies, career events, networking opportunities, and more.

Demonstrated Career Proficiency is a Requirement of all Southeast Students		
CL001/CL002	First Semester	Complete the FOCUS2 assessment and develop a Career Action Plan.
CL003	Junior Year	Students gain information about career planning and job searching resources.
CL004	Senior Year	Students demonstrate advanced proficiency by identifying a position in their field, developing a cover letter, and tailoring a resume for the position. Materials are critiqued to ensure preparedness for a successful job search.

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.

To learn more
Office of Admissions
(573) 651-2590
admissions@semo.edu
semo.edu

To explore
the College of
Science, Technology and
Agriculture online, visit
www.semo.edu/costa

For advising
College of Science, Technology and
Agriculture Advising Center
(573) 651-5930
www.semo.edu/costa/advising

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Degree Map 2015-2016

This is a guide based on the 2015-2016 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 DegreeWorks to monitor their individual progress.

CURRICULUM CHECKLIST

TECHNOLOGY MANAGEMENT: FACILITIES MANAGEMENT & SUSTAINABILITY OPTION - 85 Hours

___CH181/081/001 Basic Principles of Chemistry (5)
___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)
___CM330 Construction Planning & Scheduling (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)
___IM102 Technical Communication (3)
___IM301 Industrial Safety (3)
___IM311 Statistical Process Control (3)
___IM317 Internship (3)
___IM419 Industrial Supervision (3)
___IM506 Projects in IET (3)
___MA133 Plane Trigonometry (3)
___MA134 College Algebra (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)

University Studies Requirements (not already listed above):

UI100 First Year Seminar, EN100 English Composition, Artistic Expression, Written Expression, Oral Expression, Literary Expression, Behavioral Systems, Living Systems, Development of a Major Civilization, Political Systems, and two IU/UI3XX

SAMPLE FOUR-YEAR PLAN

▶	Fall Semester		Spring Semester	
	Course #	Hrs	Course #	Hrs
FIRST YEAR	UI100	3	IM102	3
	EN100	3	MA133	3
	CM126	3	SW207	3
	MA134	3	Literary Expression	3
	Oral Expression	3	Written Expression	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
	Artistic Expression	3		
	Total	**17**	**Total**	**14**
THIRD YEAR	CM320	3	FM544	3
	FM564	3	FM554	3
	FM565	3	IM317	3
	Behavioral Systems	3	MN220	3
	Political Systems	3	MN260	3
	Total	**15**	**Total**	**15**
FOURTH YEAR	CM325	3	ET470	3
	CM330	3	IM419	3
	IM506	3	UI410	3
	Living Systems	3	Develop of a Major Civ	3
	IU/UI3XX	3	IU/UI3XX	3
	Total	**15**	**Total**	**15**

Degree requirements for all students: a minimum of 120 credit hours, completion of University Studies program, career proficiencies (CL001-004), Writing Proficiency Exam (WP003), and completion of the Measure of Academic Proficiency and Progress (MAPP) at the senior level.

Refer to the Undergraduate Bulletin or DegreeWorks for additional graduation requirements (i.e., minimum GPA and course work) for your program of study.

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