ENGINEERING TECHNOLOGY MANAGEMENT, BACHELOR OF SCIENCE (5007)

Program Coordinator

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Technology is defined as any tool or operating system designed to improve the efficiency, quality, and competitiveness of an organization. Engineering Technology Management at Western Kentucky University is a 2+2 program designed specifically for students who currently hold a certificate (with at least 24 hours of technical credit) or an associate of applied science degree from a technical school, two-year college, or four-year institution. The Engineering Technology Management program is a capstone program that provides a two-year management emphasis for those working toward a supervisory position in industry. Graduates are empowered to obtain a position of leadership in business, industry, or workforce development in support of innovation and global competitiveness. Students who transfer to WKU with an applied associate degree (e.g., Associate of Applied Science) receive a 12-hour waiver from the overall 42 hour upper-level course requirement.

Career Opportunities

Graduates obtain employment in a wide variety of positions, some job titles of graduates include: systems integrator, industrial engineer, production manager/specialist, manufacturing engineer, maintenance specialist, quality manager, quality engineer, production engineer, general manager, plant manager, industrial trainer, project manager, systems analyst, shift supervisor, and technology educator.

Program Description

Western Kentucky University provides upper-division hours both in the major and in general education toward the completion of the degree. Students take 33 hours of major courses that includes six (6) hours of upper-division electives approved by the advisor. Majors then take general education or elective courses to fulfill university requirements regarding the following:

- 30 hours minimum in WKU courses
- 42 hours minimum upper-division courses (unless receiving a waiver)
- 120 hours minimum for graduation
- Colonnade Program Requirements
- MATH 116 or equivalent

Program Requirements (57 hours)

A baccalaureate degree requires a minimum of 120 unduplicated semester hours. More information can be found at www.wku.edu/registrar/degree_certification.php. (https://www.wku.edu/registrar/degree_certification.php)

Students who began WKU in the Fall 2014 and thereafter should review the Colonnade requirements located at: https://www.wku.edu/colonnade/colonnaderequirements.php. (https://www.wku.edu/colonnade/colonnaderequirements.php)

Code	Title	Hours
Select 24 semester hours of advisor approved courses transferred from a technical school, college or university 100/200 level		24
MFGE 271	Industrial Statistics	3
or MATH 183	Introductory Statistics	
or ECON 206	Statistics	
or STAT 301	Introductory Probability and Applied Statistics	
ETM 310	Manufacturing Safety	3
ETM 342	Production Operations	3
ETM 356	Systems Design and Operations	3
ETM 371	Quality Systems	3
ETM 390	Project Planning and Execution	3
ETM 396	Supply Chain for Leaders	3
ETM 397	Lean Systems	3
ETM 430	Supervision	3
Select 6 hours of advisor-approved technical upper-division electives from the following:		6
AGMC 3@, AGMC 4@, AMS 3@, AMS 4@, EMDS 3@, EMDS 4@, ENT 3@, ENT 4@, ETM 3@, ETM 4@, MFGE 3@, MFGE 4@, MKT 3@, MKT 4@, ENV 3@, ENV 4@, MGT 3@, MGT 4@, SEAS 3@, SEAS 4@		
Total Hours		**57**

Students should consult with an advisor in planning their four-year degree program in Engineering Technology Management.

Finish in Four Plan

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Third Year			
Fall	**Hours**	**Spring**	**Hours**
MFGE 271, MATH 183, ECON 206, or STAT 301	3	ETM 371	3
ETM 342	3	ETM 356	3
		ETM 310	3
		ETM 430	3
	6		**12**
Fourth Year			
Fall	**Hours**	**Spring**	**Hours**
ETM 390	3	ETM 396	3
ETM 397	3	Technical upper-division Elective	3
		Technical upper-division Elective	3
	6		**9**

Total Hours 33