

ENGINEERING TECHNOLOGY MANAGEMENT, BACHELOR OF SCIENCE WITH A CONCENTRATION IN TECHNOLOGY (B.S.)

Graduates must have an overall GPA at or above 2.00, and 2.25 in the major with no major grade below a "C". Transfer students will be treated on an individual basis. The Engineering Technology Management program is accredited by the Association of Technology, Management, and Applied Engineering.

Program Requirements

CIP Code: 15.1501

Summary Checklist for General Education

Code	Title	Hours
Element 1		
A:	Written Communication (http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-1/)	3
B:	Written Communication (http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-1/)	3
C:	Oral Communication (http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-1/)	3
Element 2		
	Quantitative Reasoning (http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-2/)	3
Element 3		
A:	Arts (http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-3/)	3
B:	Humanities (http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-3/)	3
Element 4		
	Natural Sciences (http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-4/)	6
Element 5		
A:	Historical Science (http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-5/)	3
B:	Social Behavioral Science (http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-5/)	3
Element 6		
	Diversity of Perspectives Experiences (http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-6/)	6
Total Hours		36

Students are expected to complete Elements 1 and 2 within their first 60 hours of college credit.

Major

Code	Title	Hours
University Graduation Requirements		
General Education		36
<i>Student Success Seminar</i>		
SCO 100	Student Success Seminar (waived for transfers with 30+ hours)	1
Upper division courses (42 hours distributed throughout Major/Supporting/Gen Ed/Free Electives categories)		
Major Requirements		
<i>Core Courses</i>		
AEM 195	Computer Aided Drafting	3
AEM 202	Introduction to Quality	3
AEM 308	Methods of Lean Operations	3
AEM 310W	Technical Communication	3
AEM 332	Process Control and Auditing	3
AEM 349	Applied Learning in Industrial Technology	1
AEM 407	Fundamentals of Project Management	3
AEM 408	Human Resource Development	3
AEM 499	Senior Capstone Project	3
CON 420	Engineering Economy	3
STA 215	Introduction to Statistical Reasoning	3-4
or STA 270	Applied Statistics	
TEC 161	Computer Applications in Technology	3
Concentrations		
Students must select one of the following Concentrations:		
Manufacturing		
Technology		33
<i>Supporting Course Requirements</i>		
Choose from one of the following:		
CHE 101 & 101L	Introductory Chemistry and Introductory Chemistry Lab (Element 4) ^G	
CHE 111 & 111L	General Chemistry and General Chemistry Lab I (Element 4) ^G	
Choose from 0-3 hours of the following:		0-3
ECO 120	Economic Reasoning and Issues (Element 5B) ^G	
ECO 230	Fundamentals of Microeconomics (Element 5B) ^G	
ACC 200	Survey of Accounting	
Choose from 3-6 hours of the following:		3-6
MAT 120	Trigonometry (Element 2) ^G	
MAT 211	Applied Calculus	
Or choose from six hours of higher level MAT courses		
PHY 131	College Physics I (Element 4) ^G	
<i>Exit Requirements</i>		
Students must take an AEM assessment examination before graduation (CR only, no hours). An exam fee is required.		
AEM 467	Comprehensive Exam for BS in ETM	0
<i>Free Electives</i>		
Choose from 6-10 hours of free electives		6-10
Total Hours		120

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Course also satisfies a General Education element. Hours are included within the 36 hr. General Education requirement above. A maximum of 6 hours can apply toward Element 4.

Concentration

Code	Title	Hours
Concentration Courses		
Choose from 33 hours of approved technical electives		33
Total Hours		33

Transfer students with an associate degree in a technical related field may not need to take these 12 hours of electives if upper division requirement can be completed.