

ENGINEERING TECHNOLOGY MANAGEMENT, BACHELOR OF SCIENCE (B.S.) AND TECHNOLOGY MANAGEMENT MASTER OF SCIENCE (M.S.) [TECHNOLOGY CONCENTRATION] ACCELERATED 3+2 DUAL DEGREE PROGRAM

Students accepted to the 3+2 Accelerated Dual Degree Program are able to complete their B.S. degree and M.S. degree within five calendar years because of the accelerated curriculum and because nine semester hours of graduate coursework will apply to both the undergraduate B.S. degree and the graduate M.S. degree. Only undergraduate students of proven academic ability will be considered for the program. Students should be aware that, in order to maintain their progress in the accelerated 3+2 program, careful coordination with their advisor is required. Depending upon undergraduate progress at the time of 3+2 admission, some summer-school classes may be needed.

Admission Requirements

Students interested in this option must satisfy all of the following conditions:

1. Junior or Senior standing
2. Overall grade point average (GPA) of at least 3.0 at the time of admission to the 3+2 program
3. Approval from department and Graduate School (see the form at <http://gradschool.eku.edu/graduate-school-forms> (<http://gradschool.eku.edu/graduate-school-forms/>))
4. Must maintain an overall undergraduate and graduate grade point average (GPA) of at least 3.0 to continue in the 3+2 program.

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
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Element 3

A: Arts (http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-3/)	3
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B: Humanities (http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-3/)	3
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Element 4

Natural Sciences (http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-4/)	6
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Element 5

A: Historical Science (http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-5/)	3
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B: Social Behavioral Science (http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-5/)	3
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Element 6

Diversity of Perspectives Experiences (http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-6/)	6
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Total Hours	36
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Students are expected to complete Elements 1 and 2 within their first 60 hours of college credit.

Major

Code	Title	Hours
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University Graduation Requirements

General Education		36
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Student Success Seminar

SCO 100	Student Success Seminar (waived for transfers with 30+ hours)	1
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Upper division courses (42 hours distributed throughout Major/Supporting/Gen Ed/Free Electives categories)

Major Requirements

Core Courses

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 408	Human Resource Development	3
AEM 499	Senior Capstone Project	3
AEM 706	Six Sigma Quality	3
AEM 801	Economics for Lean Operations	3
AEM 804	Project Management	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	30
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Supporting Course Requirements

Choose from one of the following:

CHE 101 & 101L	Introductory Chemistry and Introductory Chemistry Lab (Element 4) ^G
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CHE 111 & 111L	General Chemistry and General Chemistry Lab I (Element 4) ^G
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Choose from 0-3 hours of the following:	0-3
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ECO 120	Economic Reasoning and Issues (Element 5B) ^G
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ECO 230	Fundamentals of Microeconomics (Element 5B) ^G
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ACC 200	Survey of Accounting
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Choose from 3-6 hours of the following:	3-6
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MAT 120	Trigonometry (Element 2) ^G
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MAT 211	Applied Calculus
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MAT 261	
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Or choose six hours of higher-level MAT courses

PHY 131	College Physics I (Element 4) ^G
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Exit Requirements

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
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Free Electives

Choose from 6-10 hours of free electives	6-10
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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 six hours can apply toward Element 4.

Concentration

Code	Title	Hours
Concentration Courses		
Choose from 30 hours of approved technical electives		30
Total Hours		30