

**CURRICULUM GUIDE**

**Engineering Technology Management, B.S. (Technology Concentration-transfer students only)**  
**2021-2022**

Website: [www.technology.eku.edu](http://www.technology.eku.edu)

Email Contact: [dennis.field@eku.edu](mailto:dennis.field@eku.edu)

Department of Applied Engineering and Technology

521 Lancaster Ave.

307 Whalin Complex

Richmond, KY 40475

859-622-3232

The schedule below is an **EXAMPLE** of how you can arrange your class schedule.  
 Please consult your advisor for specific changes that may need to be made.

	Fall Semester	Spring Semester
<b>Freshman Year</b>	◊ MAT 120 (or higher) (fulfills Gen. Ed. 2) 3 ▲ Technical Elective 3 ▲ Technical Elective 3 ▲ Technical Elective 3 Gen. Ed. 1A (ENG 101) 3 <b>TOTAL 15</b>	◊ CHE 101 or 111 (fulfills Gen. Ed. 4) 3 CHE 101L or 111L 1 ▲ Technical Elective 3 ▲ Technical Elective 3 Gen. Ed 1B (ENG 102) 3 Gen. Ed. 1C (Comm.) 3 <b>TOTAL 16</b>
<b>Sophomore Year</b>	STA 215 3 ▲ Technical Elective 3 ▲ Technical Elective 3 ▲ Technical Elective 3 Free Elective 3 <b>TOTAL 15</b>	▲ Technical Elective 3 ▲ Technical Elective 3 ▲ Technical Elective 3 Gen. Ed. 3A (Arts) 3 Free Elective 3 <b>TOTAL 15</b>
<b>Junior Year</b>	AEM 195 3 AEM 308 3 AEM 310W 3 ◊ PHY 131 (fulfills Gen. Ed. 4) 5 Free Elective 2 <b>TOTAL 16</b>	AEM 202 3 AEM 349 1 BTS 300 0 CON 420 3 TEC 161 3 Gen. Ed. 3B (Humanities) 3 Free Elective (or Gen. Ed. 5B if ACC 200 will be taken) 3 <b>TOTAL 16</b>
<b>Senior Year</b>	AEM 407 (fall only) 3 ◊ ECO 230 or ◊ 130 (fulfills Gen. Ed. 5B) or ACC 200 3 MAT 211 (or higher) 3 Gen. Ed. 5A (History) 3 Gen. Ed. 6 (Diversity) 3 <b>TOTAL 15</b>	AEM 332 3 AEM 408 3 AEM 467 0 AEM 499 (ACCT) (spring only) 3 BTS 400 0 Gen. Ed. 6 (Diversity) 3 <b>TOTAL 12</b>
<b>TOTAL HOURS TO DEGREE COMPLETION</b>		<b>120</b>

Course Number	Course Name
<b>GENERAL EDUCATION &amp; UNIVERSITY REQUIREMENTS (36)</b>	
<b>COLLEGE OF BUSINESS REQUIREMENT (0)</b>	
BTS 300	Professional Skills Seminar (0)
BTS 400	College to Careers Seminar (0)
<b>CORE COURSE REQUIREMENTS (34)</b>	
AEM 195	Computer Aided Drafting (3)
AEM 202	Introduction to Quality (3)
AEM 308	Methods of Lean Operations (3)
AEM 310W	Technical Communication (3) (writing intensive)
AEM 332	Process Control and Auditing (3)
AEM 349	Applied Learning in Industrial Technology (1)
AEM 407	Fundamentals of Project Management (3) (fall only)
AEM 408	Human Resources Development (3)
AEM 499	Senior Capstone Project (3) (spring only)
CON 420	Engineering Economy (3)
STA 215	Introduction to Statistical Reasoning (3)
TEC 161	Computer Applications in Technology (3)
<b>MANUFACTURING CONCENTRATION REQUIREMENTS (33)</b>	
▲ THIRTY-THREE (33) HOURS of approved technical electives.	
<b>SUPPORTING COURSE REQUIREMENTS (6-9)</b>	
◊ CHE 101 and CHE 101L OR CHE 111 and CHE 111L	Introductory Chemistry I (3) Introductory Chemistry I Lab (1) General Chemistry I (3) General Chemistry I Lab (1)
◊ ECO 130 or ◊ ECO 230 or ACC 200	Contemporary Economic Problems (3) Principles of Microeconomics (3) Survey of Accounting (3)
◊ MAT 120	Trigonometry (3)
MAT 211	Applied Calculus (3)
◊ PHY 131	College Physics (5)
Bracketed items must be taken concurrently.	
<b>EXIT REQUIREMENT (0)</b>	
AEM 467	Exit Exam for BS in AEM (0) (EXAM FEE REQUIRED)
<b>FREE ELECTIVES (8-11)</b>	

◊ Denotes that 3 credit hours from this course are/can be applied to fulfill a Gen. Ed. requirement.

\* **PREREQUISITES:** Consult with your advisor and/or the University catalog regarding prerequisites for upper division courses in your major.

**Upper division courses:** All students are required to have a minimum of 42 hrs. upper division (300 level or above) courses distributed throughout Major/Supporting/Gen Ed/Free Electives categories.

Refer to the University Catalog at <http://www.catalogs.eku.edu/> regarding University and General Education Requirements. All baccalaureate degree seeking students who enter the University are required to successfully complete one writing intensive course following completion of the ENG 102, ENG 105, or HON 102/103. Writing intensive courses are designated with the suffix "W" following the course prefix and number (e.g. HUM 300W).

**Applied Critical & Creative Thinking (ACCT) Requirement:** Engineering Technology Management majors fulfill ACCT with AEM 499. (Credit hours are incorporated into program requirements.)