CURRICULUM GUIDE

Engineering Technology Management, B.S. (Technology) + Technology Management (Engineering Operations), M.S. 2023-2024

302 Whalen Bldg. Richmond, KY 40475 859-622-3232

521 Lancaster Ave.

Website: www.technology.eku.edu Email Contact: dashana.rowlette@eku.edu

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.

proved Technical Elective elective elective elective PTAL EM 195 ECO 120 or GECO 230 (fulfills Gen. Ed. 5B) MAT 120 (or higher) (fulfills Gen. Ed. 2) EA 215 or 270 EC 161 en. Ed. 1A (ENG 101) DTAL EM 308 (fall only) EM 310 EM 349	3 3 3 3 3 4 3 3 3 4 4 3 3 4 18 19 3 3 3	Approved Technical Elective Free Elective TOTAL AEM 202 MAT 211 (or higher) Gen. Ed. 1B (ENG 102) Gen. Ed. 1C (Oral Comm.) Gen. Ed. 3B (Humanities) Free Elective	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	CORE COURSE REC AEM 192 AEM 192 AEM 302 AEM 308 AEM 310 AEM 332 AEM 349 AEM 409 AEM 706 AEM 801 AEM 801 AEM 801 TECHNOLOGY CON THIRTY (30) HOURS of associate degree in an ensure that the upper ITECHNOLOGY SUP TECHNOLOGY SUP TECH 101 AND	Student Success Seminar (1) (not required of transfer students) (UIREMENTS (37-38) (Introduction to Quality (3) Methods of Lean Operations (3) (fall only) Technical Communication (3) Process Control and Auditing (3) Applied Learning I Industrial Technology (1) Human Resource Development (3) Senior Capstone Project (3) (spring only) Six Sigma Quality (3) Economics for Lean Operations (3) Project Management (3) Introduction to Statistical Reasoning (3) Applied Statistics (4) Computer Applications in Technology (3) ICENTRATION REQUIREMENTS (30) approved technical electives. (Transfer students with an industrial related field should consult with an advisor to division requirement is met.) PORTING COURSE REQUIREMENTS (6-9)
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Gen. Ed. 2) A 215 <u>or</u> 270 C 161 en. Ed. 1A (ENG 101) OTAL EM 308 (fall only) EM 310 EM 349	3-4 3 3 18- 19 3 3	Gen. Ed. 3B (Humanities) Free Elective TOTAL	3	STA 270 TEC 161 TECHNOLOGY CON THIRTY (30) HOURS of associate degree in an ensure that the upper TECHNOLOGY SUP (] G CHE 101 AND	Applied Statistics (4) Computer Applications in Technology (3) ICENTRATION REQUIREMENTS (30) approved technical electives. [Transfer students with an industrial related field should consult with an advisor to division requirement is met.) PORTING COURSE REQUIREMENTS (6-9)
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EC 161 En. Ed. 1A (ENG 101) OTAL EM 308 (fall only) EM 310 EM 349	3 3 18- 19 3 3	TOTAL		associate degree in an ensure that the upper of TECHNOLOGY SUP	industrial related field should consult with an advisor to division requirement is met.) PORTING COURSE REQUIREMENTS (6-9)
EM 308 (fall only) EM 310 EM 349	3 18- 19 3 3		18	TECHNOLOGY SUP	PORTING COURSE REQUIREMENTS (6-9)
TAL M 308 (fall only) M 310 M 349	18- 19 3 3		18	(G CHE 101 AND	
M 308 (fall only) M 310 M 349	19 3 3		18	G CHE 101 AND	
M 308 (fall only) M 310 M 349	19 3 3		18		Introductory Chemistry (3)
EM 310 EM 349	3	A5N4 222 (see 1.)		G*CHE 101L <u>or</u> G*CHE 111 <u>AND</u>	Introductory Chemistry Lab I (1) General Chemistry I (3)
EM 310 EM 349	3			C ^G *CHE 111L ノ	General Chemistry Lab I (1)
EM 349		AEM 332 (spring only)	3	^G ECO 120 <u>or</u> ^G ECO 230 or	Economic Reasoning and Issues (3) Fundamentals of Microeconomics (3)
		AEM 408	3	* ACC 200	Survey of Accounting (3)
	1	AEM 467	0	^G *MAT 120 <u>AND</u> *MATH 211 <u>or</u>	Trigonometry (3) Applied Calculus (3)
AEM 804 (also fulfills MS requirement) ^G PHY 131 (fulfills Gen. Ed. 4) Free Elective	3	AEM 499 (spring only)	3	6 hours of higher 6 *PHY 131	College Physics I (C)
		AEM 801 (also fulfills MS	3		College Physics I (5) acketed items must be taken concurrently
	5	requirement)		FREE ELECTIVES (7-	-11)
	1-2	Gen. Ed. 6 (Diversity)	3		REMENT (0 – Credit Only)
				AEM 467	Comprehensive Exam for BS in ETM (credit or
OTAL	16-	TOTAL	15 M	M C TECHNOLOGY	AAANA CEMENT DECLUDEMENTS
	17				UIREMENTS (15) (30 total; Nine (9) credits from AEM 7
M 706 (fall only) (also fulfills		AEM 802	3	AEM 801, and AEM 80	4 are counted in the undergraduate program)
	3			AEM 801 AEM 804	Economics for Lean Operations (3) Project Management (3)
• •	ŭ	l ————————————————————————————————————		TEC 830	Creative Problem Solving (3)
	1	ALIVI Supporting Course Elective	3		elected from (Synthesis Experience):
					Research in Technology (3) Industrial Technology Project (3)
				(AEM 821 or)	Industrial Technology Project (3)
Gen. Ed. 5A (Fiscory) Gen. Ed. 6 (Diversity) (Undergraduate Complete = 120 hrs) TOTAL					Applied Learning in Tech Management (3) FIONS CONCENTRATION REQUIREMENTS (9)
	3			AEM 706	Six Sigma Quality (3)
				AEM 802	Productivity Assessment and Analysis (3) Industrial Operations Research (3)
	16	TOTAL	0	SIX (6) HOURS of addit	tional course work to fulfill requirements.
	10	TOTAL	9	EXIT REQUIREMENT	
<u>PEINIEZ I EK</u>				GRD 867C <u>or</u>	MS Applied Engineering and Technology Management Written Comprehensive Exam
C 830	3			GRD 868B	MS Applied Engineering and Technology Management
AEM Supporting Course Elective	3			^G Denotes that 3 credit i	hours from this course are/can be applied to fulfill a G
				requirement.	uisite is required to be admitted into the course.
OTAL	6				
M 805	2				
KD 867C <u>or</u> GKD 868b	U				
DTAL	6				
D' SELL	M 706 (fall only) (also fulfills MS requirement) HE 101/101L or 111/111L fulfills Gen. Ed 4) h. Ed. 3A (Arts) h. Ed. 5A (History) h. Ed. 6 (Diversity) Material Complete = 120 hrs) TAL EMESTER C 830 M Supporting Course Elective TAL M 805 M 821 or AEM 839 D 867C or GRD 868b	17 M 706 (fall only) (also fulfills MS requirement) 3 HE 101/101L or 1111/111L fulfills Gen. Ed 4) 4 h. Ed. 3A (Arts) 3 h. Ed. 5A (History) 3 h. Ed. 6 (Diversity) 3 h. Ed. 5A (History) 3 h. Ed. 5A (History) 3 h. Ed. 6 (Diversity) 5 h. Ed. 6 (Diversity) 5 h. Ed. 6 (Diversity) 6 h. Ed. 5A (History) 7 h. Ed. 6 (EMESTER E 830 3 h. Ed. 5A (Ed.	17	17	17

^{*} PREREQUISITES: Consult with your advisor and/or the University catalog regarding prerequisites for upper division AEM, EET, NET, and TEC courses. A preparatory course in mathematics may be required before admittance into MAT 120.

Prerequisites are marked for supporting courses only.

 $\textit{Refer to the University Catalog at $\underline{\text{http://www.catalogs.eku.edu/}}$ regarding \textit{University and General Education Requirements.}$$

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).