

EKU Department of Engineering and Technology

Suggested Curriculum Guide for Engineering Technology Management, B.S. (2026-2027)- Rev. 5/5/2026

Concentration: Technology

First Year FIRST SEMESTER (15 Hours)		SECOND SEMESTER (17 Hours)	
GSD 101: Foundations of Learning	3	ENG 102: Research, Writing, and Rhetoric (E-1B)	3
ENG 101: Reading, Writing, and Rhetoric (E-1A)	3	AEM 195: Computer Aided Drafting	3
TEC 161: Computer Applications in Technology	3	PHY 131: College Physics I (E-2B)	5
MAT 120: Trigonometry (E-2A)	3	MAT 211: Applied Calculus	3
E-1C: Oral Communication	3	ECO 120 or ECO 230: Economic Reasoning and Issues or Fundamentals of Microeconomics (E-4B)	3

Second Year FIRST SEMESTER (15 Hours)		SECOND SEMESTER (16 Hours)	
Approved Technical Elective	3	AEM 202: Introduction to Quality	3
PHI 130: Beginning Ethics (E-3B)	3	CHE 101 or CHE 111/111L: Introductory or General Chemistry & Lab (Gen Ed. Flex)	4
E-3A: Arts	3	AEM 310: Technical Communication	3
E-4A: Historical & Global Dimensions	3	Approved Technical Elective	3
STA 215 or STA 270: Intro to Statistical Reasoning or Applied Stats	3	Approved Technical Elective	3

Third Year FIRST SEMESTER (15 Hours)		SECOND SEMESTER (15 Hours)	
AEM 308: Methods of Lean Operations	3	AEM 332: Process Control and Auditing	3
AEM 408: Human Resource Development	3	AEM 406: Integrated Materials Mgmt.	3
Approved Technical Elective	3	Approved Tech Elective (300+)	3
Approved Tech Elective (300+)	3	Approved Tech Elective (300+)	3
Free Electives	3	Free Electives	3

Fourth Year FIRST SEMESTER (15 Hours)		SECOND SEMESTER (12 Hours)	
AEM 507: Project Management	3	AEM 499: Senior Capstone Project	3
AEM 506: Six Sigma Quality	3	AEM 349: Engineering Technology Internship/Co-op	1
Approved Tech Elective (300+)	3	EGR 501: Engineering Economic Analysis	3
Approved Tech Elective (300+)	3	Free Electives	5
Free Electives	3		

Total Hours: 120

Concentration Requirements

Technology Concentration (27 Hours):

- Students must select **27 hours** of approved technical electives. At least **14 hours** must be 300-level or higher.
- Note:* This concentration is often selected by transfer students. While the guide above distributes technical electives evenly, students transferring with an Associate degree may have already completed many of the lower-division Technical Elective slots (Freshman/Sophomore years) and will need to prioritize upper-division electives in the Junior/Senior years.