



**BACHELOR of SCIENCE in MANUFACTURING ENGINEERING TECHNOLOGY (#5006)**

School of Engineering & Applied Sciences  
Ogden College of Science and Engineering  
Western Kentucky University

The suggested program of study shown below should be used in consultation with your advisor(s). Every student will finish with a unique plan of his/her own depending on the electives selected.

**SAMPLE – Finish in Four Plan**

FIRST YEAR			
Fall Semester		Spring Semester	
AMS 163 Architectural Drafting <b>OR</b> AMS 205 CADD for Manufacturing	3	HIST 101 World History I <b>OR</b> HIST 102 World History II (F-SB)	3
AMS 120 Basic Electricity	3	AMS 271 Industrial Statistics	3
Natural and Physical Sciences (E-NS+SL)	3	Finance Elective. Pick <b>one</b> of the following: ACCT 200 FIN 161 (E-SB) MKT 220	3
ENG 100 Intro to College Writing (F-W1)	3	AMS 227 Introduction to Manufacturing Methods	3
MATH 117 Trigonometry (F-QR)	3	COMM 145 Fund of Public Speaking & Communications (F-OC)	3
<b>TOTAL CREDIT HOURS</b>	<b>15</b>	<b>TOTAL CREDIT HOURS</b>	<b>15</b>

SECOND YEAR			
Fall Semester		Spring Semester	
World Language, if needed, OR General Elective	3	ENG 200 Intro to Literature (F-AH)	3
AMS 371 Quality Assurance	3	AMS 370 Computer Numeric Control	3
AMS 217 Industrial Materials	3	Business Law Elective. Pick <b>one</b> of the following: MGT 200 MGT 310 MGT 333	3
Social and Behavioral Sciences (E-SB)	3	ENG 300 Writing in the Disciplines (F-W1)	3
Natural and Physical Sciences, (E-NS)	3	Arts and Humanities (E-AH)	3
<b>TOTAL CREDIT HOURS</b>	<b>15</b>	<b>TOTAL CREDIT HOURS</b>	<b>15</b>

THIRD YEAR			
Fall Semester		Spring Semester	
AMS 328 Robotics and Machine Vision	3	AMS 390 Project Management	3
AMS 356 Systems Design and Operations	3	AMS 310 Work Design/Ergonomics	3
Elective	3	AMS 343 Automated Systems	3
Communications Elective. Pick <b>one</b> of the following: BUS 214C COMM 345 COMM 346 COMM 349 COMM 362 MGT 361	3	AMS 342 Manufacturing Operations	3
Connections: Social and Cultural (K-SC)	3	Connections: Local to Global Course (K-LG)	3
<b>TOTAL CREDIT HOURS</b>	<b>15</b>	<b>TOTAL CREDIT HOURS</b>	<b>15</b>

FOURTH YEAR			
Fall Semester		Spring Semester	
AMS 430 Technology Management/Supervision/Team Building	3	AMS 394 Lean and Supply Chain Systems	3
Elective	3	AMS 490E Senior Research for MET (or elective if Study Away)	3
AMS 398 Internship <b>OR</b> UC 400 Faculty-Mentored Undergraduate Research experience	1	Elective	3
Connections: Systems (K-SY)	3	Elective	3
Elective (or Study Away substitute for AMS 490E)	5	Elective	3
<b>TOTAL CREDIT HOURS</b>	<b>15</b>	<b>TOTAL CREDIT HOURS</b>	<b>15</b>

**Total Credit Hours: 120**

For more details and courses offered in the Colonnade General Education program visit the [website](#).

**World Language Requirement:** Language Proficiency of novice-high before completing 60 credit hours is required (or completion of 2nd level of a language). Two credits (or equivalent) of a single world language in High School satisfies this WKU requirement.

**For more Information:**

**School of Engineering and Applied Sciences**

**Website:** [www.wku.edu/seas](http://www.wku.edu/seas)

**Phone:** 270-745-3251

**Email:** [seas@wku.edu](mailto:seas@wku.edu)

**Course Descriptions:** <http://www.wku.edu/undergraduatecatalog/>