



**BACHELOR of Science in Manufacturing Engineering Technology**

School of Engineering and Applied Science

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 - 4 year plan**

FIRST YEAR	Fall Semester		Spring Semester	
<b>Finance Elective Options:</b> <b>ACCT 200</b> <b>FIN 161</b> <b>MKT 220</b>	AMS 163 Architectural Drafting <b>OR</b> AMS 205 CADD for Manufacturing	3	AMS 217 Industrial Materials	3
	AMS 120 Basic Electricity	3	AMS 271 Industrial Statistics	3
	Exploration (E-AH)	3	Finance Elective (E-SB) (See note)	3
	ENG 100 Intro to College Writing (F-W1)	3	ENG 200 Intro to Literature (E-AH)	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	
<b>Business Law Elective Options:</b> <b>MGT 200</b> <b>MGT 301</b> <b>MGT 333</b>	AMS 227 Introduction to Manufacturing Methods	3	AMS 352 Food Processing: Unit Operations	3
	AMS 371 Quality Assurance	3	AMS 370 Computer Numeric Control	3
	HIST 101 World History I <b>OR</b> HIST 102 World History II (F-SB)	3	Business Law Elective (See note)	3
	World Language, if needed, OR General Elective	3	ENG 300 Writing in the Disciplines (F-W1)	3
	Elective	3	Natural and Physical Sciences, (E-NS)	3
	<b>TOTAL CREDIT HOURS</b>	<b>15</b>	<b>TOTAL CREDIT HOURS</b>	<b>15</b>

**World Language Proficiency:** All students entering in Fall 2014 or later must demonstrate proficiency in a world language at the Novice High level before completing 60 credit hours. Novice high is the ability to communicate in writing and speaking on familiar topics in simple sentences. To meet this requirement, students may take college language courses or take a proficiency test. For more information go to [www.wku.edu/modernlanguages/placement/](http://www.wku.edu/modernlanguages/placement/).

**Colonnade Plan:** All students entering in fall 2014 or later must complete 39 hours in 13 specific Colonnade areas. Colonnade areas are listed in parentheses marked in blue after the corresponding classes. Some areas may have specific course requirements while others can be chosen from selected lists of options. For more details and to see lists of options, go to [http://www.wku.edu/colonnade/documents/approved\\_colonnade\\_courses\\_website.pdf](http://www.wku.edu/colonnade/documents/approved_colonnade_courses_website.pdf)

THIRD YEAR	Fall Semester		Spring Semester	
<b>Communications Elective Options: BUS 214C COMM 345 COMM 346 COMM 349 COMM 362 MGT 361</b>	AMS 390 Project Management	3	AMS 328 Robotics and Machine Vision	3
	AMS 356 Systems Design and Operations	3	AMS 310 Work Design/Ergonomics	3
	AMS 343 Automated Systems	3	Elective	3
	Communications Elective (See note)	3	Elective	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 342 Manufacturing Operations	3	AMS 430 Technology Management/Supervision/Team Building	3
	AMS 396 Introduction to Supply Chain Management	3	AMS 490 Senior Research	3
	AMS 398 Internship OR UC 400 Faculty-Mentored Undergraduate Research experience	1	AMS 394 Lean Manufacturing	3
	Connections: Systems (K-SY)	3	Elective	3
	Elective	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 Information:**

**School of Engineering and Applied Sciences**

**Website:** <http://www.wku.edu/seas>

**Phone:** (270) 745-3251

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