



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. Admission to the major is required to register for all 300 and 400 nursing classes. All upper-division nursing courses must be taken in sequence to meet NURS course prerequisite requirements.

SAMPLE – Finish in Four Plan

FIRST YEAR			
Fall Semester		Spring Semester	
AMS 163 Architectural Drafting OR 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
TOTAL CREDIT HOURS	15	TOTAL CREDIT HOURS	15

SECOND YEAR			
Fall Semester		Spring Semester	
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 OR 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
TOTAL CREDIT HOURS	15	TOTAL CREDIT HOURS	15

THIRD YEAR			
Fall Semester		Spring Semester	
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
TOTAL CREDIT HOURS	15	TOTAL CREDIT HOURS	15

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
TOTAL CREDIT HOURS	15	TOTAL CREDIT HOURS	15

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

Phone: 270-745-3251

Email: seas@wku.edu

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