



**BACHELOR of SCIENCE in ADVANCED MANUFACTURING (#506)
CONCENTRATION: MANUFACTURING AND INDUSTRIAL DISTRIBUTION**

Department of Architectural & Manufacturing Services
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.

Success Markers

SAMPLE - 4 year plan

FIRST YEAR	Fall Semester		Spring Semester	
	<i>Visit The Learning Center for free tutoring</i>	AMS 120 – Basic Electricity	3	HIST 119 - Western Civ to 1648 OR HIST 120 – Western Civ Since 164
AMS 163 – Architectural Drafting OR AMS 205 - CADD for Manufacturing		3	CHEM 116/106 – Introduction to College Chemistry (with a Lab)	4
ENG 100 – Intro to College Writing		3	ENG 200 – Literature Elective	3
General Education Course A-III		3	General Education Course A-II	3
Math 117 – Trigonometry		3	SFTY 171 – Safety and First Aid	1
TOTAL CREDIT HOURS		15	TOTAL CREDIT HOURS	14

SECOND YEAR	Fall Semester		Spring Semester	
	<i>Volunteer or Join a Student Organization like Habitat for Humanity www.wku.edu/habitat</i>	ACCT 200 – Introductory Accounting – Financial	3	General Education Course F
AMS 217 – Industrial Materials		3	AMS 271 – Industrial Statistics	3
AMS 227 – Introduction to Manufacturing Methods		3	PHYS 201 – College Physics	3
General Education Course B-II		3	AMS 396 – Intro to Supply Chain Management	3
ECON 202 – Principles of Economics (Micro)		3	ENG 306 – Business Writing OR ENG 307 – Technical Writing	3
TOTAL CREDIT HOURS		15	TOTAL CREDIT HOURS	14

THIRD YEAR	Fall Semester		Spring Semester	
	<i>Visit Career Services</i>	ENG 300 – Writing in the Disciplines	3	AMS Elective*
MGT 301 – Business Law		3	AMS 342 – Manufacturing Operations	3
AMS 343 – Automated Systems		3	AMS 328 – Robotics and Machine Vision	3
AMS 310 – Work Design/Ergonomics		3	General Education Course B-II	3
AMS 371 – Quality Assurance		3	COMM 345 – Advanced Public Speaking	3
			AMS Elective*	1
TOTAL CREDIT HOURS		15	TOTAL CREDIT HOURS	16

FOURTH YEAR	Fall Semester		Spring Semester	
	<i>Apply for Graduation Click Here</i>	AMS 370 – Computer Numerical Control	3	AMS 430 – Technology Management / Supervision / Team Building
AMS Elective*		3	General Education Course E	3
AMS 390 – Project Management		3	AMS Elective*	3
AMS 356 – System Design and operation		3	AMS 394 – Lean Manufacturing	3
AMS 398 – Internship I		1	AMS 490 – Senior Research	3
General Education Course C		3		
TOTAL CREDIT HOURS		16	TOTAL CREDIT HOURS	15
Total Credit Hours: 120				

*Course to be chosen with consultation of advisor

PLEASE NOTE: Prerequisites, Course Numbers, and Course Titles are subject to change. Consult your advisor each semester.

For more Information:

Department: Architectural & Manufacturing Sciences

Website: www.wku.edu/ams

Phone: 270-745-3251

Email: ams@wku.edu

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

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