



BACHELOR of SCIENCE in ADVANCED MANUFACTURING (#506)

CONCENTRATION: QUALITY SYSTEMS

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 <i>Visit The Learning Center for free tutoring</i>	Fall Semester		Spring Semester	
	AMS 120 – Basic Electricity	3	HIST 119 - Western Civ to 1648 OR HIST 120 – Western Civ Since 164	3
	AMS 163 – Architectural Drafting OR AMS 205 - CADD for Manufacturing	3	General Education Course D-IL	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 <i>Volunteer or Join a Student Organization like Green Toppers</i>	Fall Semester		Spring Semester	
	ACCT 200 – Introductory Accounting – Financial	3	University Elective	1
	AMS 217 – Industrial Materials	3	AMS 271 – Industrial Statistics	3
	MGT 301 – Business Law	3	General Education Course D	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
			General Education Course F	1
TOTAL CREDIT HOURS	15	TOTAL CREDIT HOURS	14	

SUMMER TERM <i>Study Abroad!</i>	Summer Term	
	TOTAL CREDIT HOURS	

THIRD YEAR <i>Visit Career Services</i>	Fall Semester		Spring Semester	
	ENG 300 – Writing in the Disciplines	3	AMS Elective*	3
	AMS 391 – Reliability and Probability	3	AMS 342 – Manufacturing Operations	3
	AMS 328 – Robotics and Machine Vision	3	AMS 392 – Quality Management	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 <i>Apply for Graduation Click Here</i> <i>Celebrate!</i>	Fall Semester		Spring Semester	
	AMS 370 – Computer Numerical Control	3	AMS 430 – Technology Management / Supervision / Team Building	3
	AMS 471 – Design of Industrial Experiments	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

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/>