

**THE UNIVERSITY OF AKRON
AKRON OHIO
SUMMIT COLLEGE**

**AUTOMATED MANUFACTURING ENGINEERING TECHNOLOGY
2870: Bachelor of Science Degree**

First Year and Second Year: Typically, an approved associate degree in Manufacturing Technology or other associate degree program with bridgework.*

THIRD YEAR**First Semester**

		<u>Credit Hours</u>	<u>Prerequisites</u>
3400:210	Humanities in the Western Tradition I	4	32 cr. & 3300:112 (or perm.)
2030:154	Technical Mathematics IV	3	2030:153 or equiv with grade of C- or better or placement test
2820:111	Introductory Chemistry	3	Coreq: 2030:152
2860:370	Survey of Electronics I	3	2820:163
6500:221	Quantitative Business Analysis I	3	3450:145 or 289 or 141
	Area Studies: Cultural Diversity	<u>2</u>	32 credit hours
		18	

Second Semester

	Humanities Electives	6	
2030:255	Technical Calculus I	3	2030:154 or equiv with grade of C- or better or placement test
2870:311	Facilities Planning	3	2940:210 or 2940:180
2920:310	Econ. of Technology	3	64 credits or permission
2940:211	Computer Aided Drawing II	<u>3</u>	2940:210
		18	

Fourth Year**First Semester**

	Technical Elective	3	
2870:332	Management of Technology Based Operations	3	
2870:470	Simulation of Mfg. Systems	3	2880:211 or permission
2870:448	CNC Programming II	3	2870:348
6500:301	Management: Princ. & Conc.	3	48 completed credits
2870:441	Adv. Quality Practices	<u>3</u>	2880:241 or permission
		18	

Second Semester

	Area Studies & Cultural Diversity	2	32 credit hours
2870:301	Computer Control of Automated Systems	3	
2870:480	Automated Production	3	2880:211 or Senior Status
2870:490	Manufacturing Project	2	Senior Status
6500:330	Princ. of Operations Mgmt.	3	6500:301 & 6500:221 or equiv.
	Technical Elective	<u>3</u>	
		16	

THIRD & FOURTH YEAR CREDITS = 70

NOTES:

The student is urged to consult The University of Akron Bulletin and the University College General Education requirements to ensure that all requirements for graduation are met. Students enter the Bachelor of Science AMET program from different associate degree programs, and therefore may have different General Education requirements remaining.

* If General Education "Science" requirements have not been met, then the student should select a science course(s) that meets these requirements.

** 7600:105 (106) or 2040:247, whichever remains as a requirement. (See your advisor.)

*** If lack of a prerequisite course in your associate degree program prevents you from registering for this College of Business course, see your advisor for an alternate course.

Automated Manufacturing Engineering Technology - Bachelor of Science

Required Bridgework:

1. Completion of an associate degree program in engineering, science, or business technology (or related) or the first two years of a bachelor degree program with a minimum acceptable grade point average of 2.0.
2. Completed with a minimum grade of "C" 2880:241, Introduction to Quality Assurance or equivalent.
3. Completed with a minimum grade of "C" 2880:110, Manufacturing Processes or equivalent.
4. Completed with a minimum grade of "C" 2870:348, CNC Programming I or equivalent.

Technical Electives**Credits**

2030:356	Technical Calculus II	3
2040:247	Survey of Basic Economics	3
2040:251	Human Behavior at Work	3
2420:101	Essentials of Marketing Technology	3
2420:202	Elements of Human Resource Mgmt.	3
2420:211	Basic Accounting I	3
2420:212	Basic Accounting II	3
2420:280	Essentials of Business law	3
2820:310	Programming for Technologists	2
2920:101	Introduction to Mechanical Design	3
2920:142	Introduction to Material Technology	3
2920:251	Fluid Power	2
2920:252	Thermo Fluids Lab	1
2920:370	Plastics Design and Processing	3
2920:470	Plastics Processing and Testing	3
2990:125	Statics	3
3470:261	Introductory Statistics I	2
3470:262	Introductory Statistics II	2