Effective: Fall 2012 **Last Updated: 6/15/15**

College of Applied Science and Technology
AUTOMATED MANUFACTURING ENGINEERING TECHNOLOGY
287103BS

Bachelor of Science Degree

http://www.uakron.edu/summitcollege/engineering_tech/automated-manufacturing-technology/

A completed Associate of Applied Science Degree in Manufacturing Engineering Technology is a requirement of the Automated Manufacturing Engineering Technology Bachelor of Science Degree. Please refer to the Manufacturing Engineering Technology, Associate of Applied Science Curriculum Guide for further information.

The following information has official approval of the **College of Applied Science & Technology**, but is intended only as a guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.*

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf.

3rd Year	**Fall Semester**		
3400:210 3400:221	*Humanities in the Western Tradition* ***-OR-*** *Humanities in the World Since 1300*	4	32 credits & 3300:112 or equivalent 32 credits & 3300:112 or equivalent
2030:154	Technical Mathematics IV	3	2030:153 or equivalent with grade of C- or better or placement by Advisor
2820:111	*Introductory Chemistry* (Note a.)	3	2030:152 co-requisite
2860:370	Survey of Electronics I (Note a.)	3	2820:163
2920:101	Introduction to Mechanical Design (Note a.)	3	Prerequisite: 2940:121; Corequisite: 2030:154
	Area Studies/Cultural Diversity Requirement	2	
Total		**18**	

3rd Year	**Spring Semester**		
	Humanities Electives	3	
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2030:255	Technical Calculus I	3	2030:153 or equivalent with grade of C- or better or placement by Advisor
2870:311	Facilities Planning (Note b.)	3	2940:210 or 2940:180
2920:310	Economics of Technology	3	64 credits or permission
2940:211	Computer Aided Drawing II (Note b.)	3	2940:210
Total		**18**	

4th Year	**Fall Semester**		
	Technical Elective (Note c.)	3	
2870:332	Management of Technology Based Operations	3	
2870:470	Simulation of Manufacturing Systems (Note a.)	3	2880:211 or permission
2870:448	CNC Programming II (Note a.)	3	2870:348
2920:370	Plastics Design & Process (Note a.)	3	2820:111 or permission
2870:441	Adv. Quality Practices (Note a.)	3	2880:241 or permission
Total		**18**	

4th Year	Spring Semester		
	Area Studies/Cultural Diversity Requirement	2	2020:121 or equivalent
2870:301	Computer Control of Automated Systems (Note b.)	3	
2870:480	Automated Production (Note b.)	3	2880:211 or Senior status
2870:490	Manufacturing Project (Note b.)	2	Senior status
2920:347	Production Machinery & Processes (Note b.)	3	2030:255 and permission
	Technical Elective (Note c.)	3	
Total		**16**	

	Total Credits for Degree	**136**	**Associate Degree 66** **Third & Fourth Credits 70**

POLICY ALERT: 1) By the end of your first 48 credit hours attempted, you must have completed your General Education English, Math, and Communications (Speech) requirements; 2) By the end of your first 48 credit hours attempted, you must have declared a major and transferred to (been accepted by) a degree granting college at The University of Akron.
Note a. Fall course offering only
Note b. Spring course offering only

Note c. Technical Electives

2030:356	Technical Calculus II	3	2030:255 or equivalent with a grade of C- or better, or placement test
2040:247	Survey of Basic Economics	3	
2040:251	Human Behavior at Work	3	
2420:202	Elements of Human Resource Management	3	2420:103 or permission
2420:211	Basic Accounting I	3	
2420:212	Basic Accounting II	3	2420:211
2420:280	Essentials of Business law	3	
2820:310	Programming for Technologists	2	2820:131 and 2030:255
2920:142	Introduction to Material Technology	3	
2920:251	Fluid Power	2	2820:162, 164
2920:252	Thermo Fluids Lab	1	2920:251; Co-requisite: 249
2920:470	Plastics Processing and Testing	3	2920:370 or permission.
2990:125	Statics	3	2820:162 and 2030:153
3470:261	Introductory Statistics I	2	Appropriate placement determined by adviser
3470:262	Introductory Statistics II	2	3470:261
2520:101	Essentials of Marketing Tech	3	

PROGRAM CONTACT
Contact Information: Program Director, Mr. Daniel E. Kandray, Schrank Hall (South) 221, 330/972-7073, or kandray@uakron.edu

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 adviser.)

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

TRANSFER TO THE COLLEGE OF APPLIED SCIENCE AND TECHNOLOGY (FORMERLY SUMMIT COLLEGE): To be admitted to the college, a student must have a 2.0 or better overall GPA.
A student in University College can complete this transfer process through an appointment with an Academic Adviser, the Academic Advisement Center, Simmons Hall 205, 330-972-7430. Students in other Colleges can complete this transfer process by meeting with an Academic Adviser in the College in which they reside.

(Thorman/Kandray)