

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

MECHANICAL ENGINEERING TECHNOLOGY

2920:12: Bachelor of Science Degree

Accredited by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012 - Telephone (410) 347-7700.

FIRST AND SECOND YEARS - See Associate Degree Program

THIRD YEAR

Fall Semester

	Credit Hours	Prerequisites
2030:356 Technical Calculus II	3	2030:255 or equiv with grade of C- or better or placement test
2820:310 Programming for Technologists (Sch. Lab)	2	2030:255 & 2820:131
2820:111 Introductory Chemistry (Sch. Lab)	3	2030:152
2860:370 Survey of Electronics I (Sch. Lab)	3	2820:163
2920:344 Dynamics	3	2030:255; 2920:243; 2990:125
Technical Elective*	<u>3</u>	
	17	

Spring Semester

2820:112 Introductory & Analytical Chemistry	3	2820:111
2860:242 Machinery and Controls OR		
2860:371 Survey of Electronics II (Sch. Lab)	3	2860:370
2920:346 Mechanical Design III (Sch. Lab)	4	2920:344, 2920:245, 2820:310
2920:347 Production Machinery & Processes	3	2920:245; 2030:255
Area Studies & Cultural Diversity	2	32 Credits Earned (or Perm.)
Technical Elective*	<u>2</u>	
	17	

FOURTH YEAR

Fall Semester

2880:241 Intro. to Quality Assurance (Sch. Lab)	3	2030:152, 2880:100 or Perm.
2920:310 Economics of Technology	3	64 Credits or Perm.
2920:365 Applied Thermal Energy II	3	2920:249, 251; 2030:255
2920:370 Plastics Design & Processing	3	2820:111 or higher
2920:490 Senior MET Seminar	1	Senior standing
3400:210 Humanities in Western Tradition I	<u>4</u>	32 credits and 3300:112
	17	

Spring Semester

2920:402 Mechanical Projects	1	Senior Standing
2920:405 Ind. Machine Control (Sch. Lab)	3	2860:370
2920:470 Plastics Processing & Testing	2	2920:370 (or Perm.)
Area Studies & Cultural Diversity	2	32 credits earned (or Perm.)
Technical Elective*	3	
Humanities Electives	<u>6</u>	
	17	

Third and Fourth Year Credits = 68

First Two Years = 70

Total Credits (Including Associate Degree Prog.) = 138

Over for Tech Elective choices . . .

***Mechanical Engineering Technology Approved Technical Electives:**

2920:290	Special Topics: Mechanical Engineering Technology	1-2
2920:498	Independent Study in Mechanical Engineering Technology	1-4
2030:345	Technical Data Analysis	2
2870:301	Computer Control of Automated Systems	3
2870:311	Facilities Planning	3
2870:332	Management of Technology Based Operations	3
2870:441	Advanced Quality Practices	3
2870:448	CNC Programming II	3
2880:130	Work Measurement & Cost Estimating	3
2880:201	Robotics & Automated Manufacturing	3
2880:211	Computerized Manufacturing Control	3
2880:232	Labor Management Relations	3
2940:122	Technical Drawing II	3
2940:170	Surveying Drafting	3
2940:211	Computer Aided Drawing II	3
2940:230	Mechanical Systems Drafting	3
2940:245	Structural Drafting	2
2980:101	Basic Surveying I	2
2990:462	Mechanical service systems	3
2990:463	Electrical Service Systems	3
3460:126	Introduction to Visual Basic Programming	3
3460:208	Introduction to C++ Programming	3