Engineering Technology Articulation Guide

Washtenaw Community College – Any Associate Degree with MTA

Wayne State University - Bachelor of Science in Engineering Technology: Mechanical Engineering Technology, Electrical/Electronic Engineering Technology <u>or</u> Electromechancial Engineering Technology Catalog Year 2020-2021

WCC Degree and Michigan Transfer Agreement	(MTA)	Transfer to WSU as:	
Requirements	2	AATA Faallah Canaaatta	2
English Composition (see MTA requirements)	3	MTA-English Composition	3
English Composition or Speech (MTA)	3	MTA-English Composition or Speech	3
*MTH 180 Precalculus	5	MAT 1800 Elementary Functions	3
*CEM 101 Intro to Chemistry	3	CHM 1020 General Chemistry	4
*PHY 111 General Physics (satisfies MTA)	4	PHY 2130/1 General Physics + Lab	4
Social Science (see MTA requirements)	3	MTA-Social Science	3
Social Science (see MTA requirements)	3	MTA-Social Science	3
*PHL 205 Ethics	3	PHI 1120 Professional Ethics	3
Humanities (see MTA requirements)	3	MTA-Humanities and Fine Arts	3
Subtotal	30	Transfer Subtotal	30
*meets MTA requirements AND required for WSU degree p. (prerequisites may be required per internal placement exan			
Additional WSU Requirements		Transfer to WSU as:	
MTH 191 Calculus	5	ET/MAT 3430 Applied Calculus	5
ENG 208 <u>or</u> 209 Technical Writing	3	ENG 3050 Technical Writing	3
PHY 122 General Physics II	4	PHY 2140/2141 Physics for Life Science	4
ELE 111 Electrical Fundamentals	4	EET 2000 Electrical Principals	4
Subtotal	16	Transfer Subtotal	16
Lower Division Requirements		Transfers to WSU as:	
**Any combination of technical courses or credits under		Lower Division Technical Elective - 21 credits	
the subject of ASV, ABR, CMG, CON, CPS, EGT, El FMA, HVA, MEC, MTT, MST, NCT, ROB, or WAF	LE, FLP,	minimum for WSU degree requirement	
Subtotal	21	Transfer Subtotal	21
**Courses can be used to earn certificate(s) or associate de	gree.		
Free Electives (up to max. 76 transfer credit)		Transfer to WSU as:	
Any 100-level or above course (see advisor)	0-9	Free Electives	0-9
Subtotal	0-9	Transfer Subtotal	0-9
Potential Electives (see advisor):		Transfer to WSU as:	
MEC 101 Blueprint Reading for Manufacturing	2	ET 2140 Computer Graphics	2
MEC 100 Materials and Processes	3	ET 2200 Engineering Materials	3
		1	

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Engineering Technology

Engineering technologists (ET) create the objects we depend on, from smartphones to suspension bridges and everything in between. While traditional engineers work mainly in the conceptual stage of product development, ET graduates are hands-on, building and implementing new technologies in testing labs and in the field. They can apply their abilities in using technical equipment, selling technical products, serving as manufacturers' technical representatives, supervising construction projects and manufacturing processes, and more. A degree in engineering technology will give you marketable skills in this practical, applied science.

Bachelor of Science in Electronic/Electrical Engineering Technology (BSMCT) Program is accredited by the Engineering Technology Accreditation Commission of ABET, http://www.abet.org.

AGRADE Program

AGRADE is Wayne State University's Accelerated Graduate Enrollment program. It is designed to provide our top students with a jump-start on graduate school. Students, in conjunction with their undergraduate and graduate advisors, develop a plan of work that counts up to 16 credits of coursework toward both the B.S. and M.S. degrees.

Michigan Transfer Agreement (MTA)	30
Additional WSU Requirements	16
Associate Major/Lower Division Electives	21
Free Electives (see Advisor for recommendations)	<u>3-9</u>
Total Transferable Credits from WCC	70-76
WSU Degree Requirements (min. 48)	54

MSET Degree 21

Accelerated Graduate Enrollment

Eligible student with cumulative GPA of 3.4 or above can apply up to 16 credits to the Master of Science in Engineering Technology (MSET).

Total BS and MSET Degrees (min. 147) 151

Bachelor in Engineering Technology Electrical/Electronic Engineering Technology Requirements

Math/Science/Degree Requirements	
ET 2160 Computer Applications for ET	2
ET 3450 Appl Calc & Diff Equations	4
Subtotal	6

Electrical/Electronic Engineering Technology C	<u>Core</u>
ET 3850 Reliability & Engineering Statistics	3
ET 3870 Engineering Economic Analysis	3
*ET 5870 Engineering Project Management	3
EET 2100 Principles of Digital Design	3
EET 2720 Microprocessor Fundamentals	3
EET 3100 Adv Digital Design	3
EET 3150 Network Analysis	4
EET 3180 Analog Electronics	4
EET 3500 Electrical Machines/Power Systems	3
EET 3720 Mico & Programming Controllers	3
EET 3300 Applied Signal Processing	3
EET 4200 Control Systems	4
*EET Upper Division Technical Electives	6
ET 4999 Senior Project	3
Subtotal	48

^{*}can be used toward MSET degree (must see WSU advisor)