

Bachelor of Science in Electromechanical Engineering Technology (BS-EMT)

The BS-EMT degree requires 124 credit hours as listed in this table. Macomb Community College transfer students can use this table as a guideline to transfer up to 82 credits from Macomb, and complete the remaining program requirements at Wayne State to earn the BS-EMT degree.

	WSU BS-EMT Curriculum		Macomb CC AAS Programs
	Course	Cr	Equivalent Courses
Math & Science	MAT 1800 (QE) Elementary Functions	4	MATH 1465 or 1415+1435
	MAT 3430 Appl Differential & Integral Calculus	4	MATH 1760
	MAT 3450 Appl Calculus & Diff Equations	4	See (1)
	CHM 1020 (NSI) General Chemistry	4	CHEM 1050
	PHY2130,1 (NSI) General Physics	5	PHYS 1180
	PHY2140,1 General Physics	5	PHYS 1190
Lower Division Technical Courses	E T 2140 Computer Graphics	3	See (2)
	E T 2160 Computer Applications for ET	2	ITCS 2530
	EET 2000 Electrical Principles	3	ELEC 1161 + ELEC 1171
	EET 2100 Principle of Digital Design	3	ELEC 1211
	EET 2720 Microprocessor Fundamentals	3	ELEC 2270
	EET or MCT Lower Division Technical	18	See (3) **
Upper Division Technical Courses	E T 3030 Statics	3	
	E T 3050 Dynamics	3	
	E T 3850 Reliability & Engineering Statistics	3	
	E T 3870 Engineering Economic Analysis or E T 5870 Project Management	3	
	EET 3150 Network Analysis	4	
	EET 3720 Micro & Programmable Controllers	3	
	EET 3500 Electrical Machines & Power Sys	3	
	EET 4200 Control Systems	4	
	MCT 3010 Instrumentation	3	
	MIT 3500 Manufacturing Processes Lab	1	ATMT 1150 or 1160
	EET or MCT Upper Division Tech Elective	9	
E T 4999 Senior Project	3		
General Education Courses	ENG 3050 (IC) Intermediate Composition	3	BCOM 2050
	PHI 1120 (CI) Cultural Inquiry	3	PHIL 2120
	(BC) Basic Composition	3	Students transferring to WSU that satisfy the MTA (Michigan Transfer Agreement) will fulfill all requirements to the left. Students must still satisfy the above courses , which are MTA-supported, in order to meet program requirements.
	(OC) Oral Communication	3	
	(CIV) Civic Inquiry	3	
	(SI) Social Inquiry	3	
	(DEI) Diversity, Equity & Inclusion	3	
	(GL) Global Learning	3	
TOTAL Degree Requirements:	124		

(1) MCC students have the option to take MAT3450 at Wayne (required MAT3430 as prerequisite) or MATH2770 at Macomb (required several prerequisites).

(2) Any one of: ATAP 2010, ATAP 2030, ATAP 2350, ATAP 2360, ATAP 2370, DRCG 1140, PRDE 1400, PRDE 1410, PRDE 1450, PRDE 1475, PRDE 1520, PRDE 1620, PRDE 2520, PRDE 2620

(3) Any other technical courses or credits in ATAM, ATAP, ATBC, ATDD, ATEM, ATFP, ATMT, ATPP, ATRA, ATSS, ATTR, ATWD, AUTO, CIVL, CLCT, CORE, DRAD, DRCG, ELEC, ENGR, MACA, MECT, PRDE, QUAL, RNEW, ROBO, SURV

** Please refer to WSU's transfer guide, or consult with a WSU ET advisor before taking these classes

<https://wayne.edu/transfercredit/>