

**Transfer Requirements and Equivalencies
into the MSOE AAS-EET to BSEE Transfer Pathway**

MSOE: AAS-EET to BSEE Transfer Pathway in the BS in Electrical Engineering program
WCTC: AAS-EET Associate of Applied Science in Electrical Engineering Technology

MSOE Course Numbers and Names	WCTC Course Numbers ^a
1. COM 1001 College Writing	801-136
2. COM 2001 Writing for STEM Disciplines	801-197 ^d
3. MTH 1110 Calculus I	804-198
4. MTH 1120 Calculus II	804-156
5. General Education elective ^b (for PSY3004; Curiosity CLO)	809-199
6. General Education elective ^b (for SOC 1001; Diversity CLO)	809-196
7. PHY 1110 Physics I Mechanics and Thermodynamics	806-187
8. ELE 1000 Introduction to EE	662-102
9. ELE 2001 Electric Circuits I	662-102 662-104 ^c
10. ELE 3141* Transfer Electronics	662-104 ^c 662-190 ^c 662-191 ^c
11. ELE 1801 Transfer Digital Logic and Embedded Systems	605-118 605-119 605-182 663-104
12. ELE 3401 Electric Power and Machines	605-126 662-104 ^c
13. Technical Elective ^b	605-187 (taken Spring 2014 or after)
14. Free Elective ^b	605-148

a All courses in each category must be satisfied for transfer credit of the designated MSOE course. All Two-year College EET program course titles are stated on the next page.

b Listed Two-year College course(s) is approved in this elective category. Any other Two-year College course requires approval by MSOE in advance of the student taking the course. Retroactive approval is not guaranteed.

c 10-662-104 and -190, prerequisites to 10-662-191, must be taken and passed with a grade of C (not C-) or better prior to when 10-662-191 is taken in order for 10-662-191 to be eligible for transfer consideration to MSOE.

d This course(s) is an elective or is not in the EET program at the Two-year College. If not fulfilled, additional course(s) must be taken at MSOE to fulfill BSEE degree requirements. Consult with an EE transfer advisor at MSOE.

Special Note: Required courses in the EET program that also transfer to MSOE:

662-104, 108, and 191 collectively transfer for ELE 2011 Electric Circuits II: Theory and Applications

*662-104, 190, and 191 collectively transfer for ELE 3101 Electronics I (ELE 3141 is a subset of ELE 3101)

801-198 Speech (Approved Substitute for 801-196) transfers for COM 3001 Professional Presentations to MSOE (801-196 does not transfer for COM 3001 Professional Presentations)

(In effect at WCTC in Fall 2025 for transfer to MSOE in Fall 2027)

WCTC Electrical Engineering Technology – 10-662-1

		Course Name	Course #	Credits
Year 1	Fall Term 1	Digital Electronics I	605-118	2
		DC Circuit Analysis	662-102	4
		Calculus 1 (16 week)	804-198**	4
			Total:	10
	Fall Term 2	AC Circuit Analysis	662-104	4
		Electronic Fabrication I	663-106*	1
			Total:	5
	Spring Term 1	Electronic Circuits I	662-190	4
		Oral/Interpersonal Comm	801-196***	3
		Calculus 2 (16 week)	804-156**	4
			Total:	11
	Spring Term 2	Digital Electronics II	605-119	2
		Intro to Sociology	809-196	3
			Total:	5
Year 2	Summer Term	Programming for Electronics	663-104	1
		English Composition 1	801-136	3
			Total:	4
	Fall Term 1	Electronic Circuits II	662-191	4
		Calculus Based Physics 1	806-187	3
			Total:	7
	Fall Term 2	Microcontrollers	605-182	3
		Psychology of Human Relations	809-199	3
			Total:	6
	Spring Term 1	Industrial Systems	605-126	3
		Electronic Data Comm	605-187	3
			Total:	6
	Spring Term 2	Data Acquisition	605-148	3
		Linear Circuit Analysis	662-108	3
		Program Total Credits 60	Total:	6

* This course is required in the WCTC EET program to earn the AAS EET degree but does not count toward transfer requirements into the MSOE AAS-EET to BSEE Transfer Pathway program.

** This course is continued over entire 16-week semester.

*** 801-198 Speech (transferrable to MSOE) is recommended as a WCTC Approved Substitute for 801-196 (801-196 does not transfer for COM 3001 Professional Presentations).