

Academic Plan – Electrical and Computer Engineering Technology (ECET) CMPET Option

Semester 1	Credits	Semester 2	Credits
EET 2 Introduction to Engineering Technology † ^[1]	1	CMPET 5 Engineering Methods in Engineering Technology	1
EET 101 Electrical Circuits I	3	CMPET 117 Digital Electronics *	3
EET 109 Electrical Circuits Laboratory I	1	CMPET 120 Digital Electronics Laboratory	1
ENGL 15 or 30(GWS) Rhetoric and Composition or Honors ††	3	EET 114 Electrical Circuits II *	4
MATH 22 (GQ) College Algebra II & Analytic Geometry *##†	3	EET 118 Electrical Circuits Laboratory *	1
General Education Course	3	MATH 41 (GQ) Trigonometry and Analytic Geometry *##†	4
General Education Course (GHW)	1.5	PHYS 250 (GN) Introductory Physics I *##†	4
Total Credits:	15.5	Total Credits:	18
Semester 3	Credits	Semester 4	Credits
CMPET 211 Embedded Processors and DSP	3	CAS 100 (GWS) Effective Speech ††	3
EET 212W Op Amp and Integrated Circuit Electronics ^[2]	4	CHEM 110 (GN) Chemical Principles †	3
EET 214 Electric Machines and Energy Conversion	3	CHEM 111 (GN) Experimental Chemistry †	1
EET 215 Electric Machines and Energy Conversion Lab	1	EET 275 Introduction to Programmable Logic Controllers	3
MATH 83 (GQ) Technical Calculus *##†	4	EET 280 System Integration Project	1
General Education Course	3	EGT 119 Intro to CAD for Electrical and Computer Engineering	2
		MATH 210 Calculus with Engineering Technology Application	3
Total Credits:	18	Total Credits:	16
Semester 5	Credits	Semester 6	Credits
CMPET 301 Algorithmic Processes for Electrical Systems *	3	CMPET 333 Computer Networking *	3
EET 341 Measurements and Instrumentation *	3	CMPET 355 Intermediate Microprocessors & Microcomputers *	3
ENGL 202C (GWS) Effective Writing: Technical Writing ††	3	ECON 102 or 104(GS) Intro. Micro-Macroeconomics Analy. & Policy †	3
MATH 211 Intermed. Calc & Diff Equations	3	EET 315 Linear and Discrete System Analysis *	3
General Education Course	3	General Education Course	3
		General Education Course (GHW)	1.5
Total Credits:	15	Total Credits:	16.5
Semester 7	Credits	Semester 8	Credits
CMPET 456 Adv. Microprocessors, High Level Interfacing *	3	EET 490 Electrical and Computer Engineering Technology Senior Design Projects * ^[2]	3
CMPET 457 Software Engineering *	3	QC 450 Quality Control and Quality Improvement *	3
EET 480 Electrical and Computer Engineering Technology Systems Senior Seminar *	1	Technical Elective (300,400-level) *	3
MGMT 409 Project Management for Engineers *	3	General Education Course	3
Technical Elective (300,400-level) *	3	General Education Course (GN)	2
Technical Elective (300,400-level) *	3		
Total Credits:	16	Total Credits:	14

Total Credits: 129

- * Course requires a grade of C or better for the major
- ‡ Course requires a grade of C or better for General Education
- # Course is an Entrance to Major requirement
- † Course satisfies General Education and degree requirement

University Requirements and General Education Notes:

- US and IL are abbreviations used to designate courses that satisfy University Requirements (United States and International Cultures).
- W, M, X and Y are the suffixes at the end of a course number used to designate courses that satisfy University Writing Across the Curriculum requirement.
- GWS, GQ, GHW, GN, GA, GH and GS are abbreviations used to identify General Education program courses. General Education includes Foundations (GWS and GQ) and Knowledge Domains (GHW, GN, GA, GH, GS and Integrative Studies). Foundation Courses (GWS and GQ) require a grade of C or better.
- Integrative Studies courses are required for the General Education Program. N is the suffix at the end of a course number used to designate an Inter-Domain course and Z is the suffix at the end of a course number used to designate a Linked course.

Program Notes:

- Only students who have gone through the entrance to major (ETM) process and have been accepted into this major may register for junior and senior-level EET and CMPET courses.
- Permissible Math substitution: MATH 140 instead of MATH 83.
- If ENGL 15 is full, schedule a General Education Course, 2nd semester ENGL 15, 3rd semester CAS 100, and 4th semester PHYS 250.

Academic Advising Notes:

^[1] Course will satisfy First-Year Seminar requirement.

^[2] Course will satisfy Writing Across the Curriculum requirement.