

ELECTRICAL AND COMPUTER ENGINEERING TECHNOLOGY (ECET)

Recommended Action Plan (RAP)

Bachelor of Science Degree

Electrical Engineering Technology Option*

128 credits

Fall Semester Freshman Year – 15.5 credits		Credits	Spring Semester Freshman Year – 17 credits		Credits
EET 101	Electrical Circuits I	3	EET 114	Electrical Circuits II	4
EET 109	Electrical Circuits Laboratory I	1	CMPET 117	Digital Electronics	3
<i>EET 002S</i>	<i>Intro to Engr Tech (FYS)</i>	1	EET 118	Electrical Circuits Lab II	1
¹ <i>ENGL 015</i>	<i>Rhetoric and Composition (GWS)</i>	3	CMPET 120	Digital Electronics Laboratory	1
<i>MATH 081</i>	<i>Technical Mathematics I (GQ)</i>	3	CMPET 005	Experiment Methods Engr Tech	1
<i>BB H/KINES, From University List (GHA)</i>		1.5	<i>MATH 082</i>	<i>Technical Mathematics II (GQ)</i>	3
<i>GA, GH, or GS, From General Education List</i>		3	<i>PHYS 250</i>	<i>Introductory Physics (GN)</i>	4
Fall Semester Sophomore Year – 18 credits		Credits	Spring Semester Sophomore Year – 15 credits		Credits
EET 205	Semiconductor Laboratory	1	<i>CAS 100</i>	<i>Effective Speech (GWS)</i>	3
EET 210	Fundamental of Semiconductors	2	EET 216	Linear Electronic Circuits	3
CMPET 211	Embedded Processors and DSP	3	EET 221	Linear Electronics Laboratory	1
EET 213W	Fundamentals Electrical Machines	5	EET 275	Intro Program Logic Controllers	3
<i>MATH 083</i>	<i>Technical Calculus (GQ)</i>	4	EG T 119	Intro to CAD for ECET	2
<i>GA, GH, or GS, From General Education List</i>		3	MATH 210	Calc. w/Engineering Tech	3
Fall Semester Junior Year – 16 credits		Credits	Spring Semester Junior Year – 16.5 credits		Credits
<i>CHEM 110</i>	<i>Chemical Principles I (GN)</i>	3	CMPET 355	Intermed Microprocessors	3
<i>CHEM 111</i>	<i>Experimental Chemistry I (GN)</i>	1	<i>ECON 2 or 4</i>	<i>Microec or Macroec Analysis (GS)</i>	3
CMPET 301	Algorithmic Process Elec Sys	3	EET 315	Linear/Discrete Sys Analysis	3
EET 341	Measurements/Instrumentation	3	EET 330	Communication System	3
<i>ENGL 202C</i>	<i>Technical Writing (GWS)</i>	3	<i>GA, GH, or GS, From General Education List</i>		3
MATH 211	Intermed Calc & Diff Eqs w/Appl	3	<i>BB H/KINES, From University List (GHA)</i>		1.5
Fall Semester Senior Year – 15 credits		Credits	Spring Semester Senior Year – 15 credits		Credits
EET 416	Fluids/Thermal in Electric Sys	3	² EET 450	Mfg Topics in Electrical Sys	3
EET 440	Applied Feedback Controls	3	EET 490W	ECET Senior Design Project	3
EET 480	ECET Systems Senior Seminar	1	<i>GA, GH, or GS, From General Education List</i>		3
<i>Science Elective, from Gen. Education List (GN)</i>		2	<i>GA, GH, or GS, From General Education List</i>		3
Tech Elective, Program List (300, 400-level)		3	Tech Elective, Program List (300, 400-level)		3
Tech Elective, Program List (300, 400-level)		3			

Notes:

- **Bold type** indicates courses requiring a quality grade of C or better.
- *Italic* indicates courses that satisfy both major and General Education requirements.
- ***Bold italics*** indicates courses requiring a quality grade of C or better and that satisfy both major and General Education requirements.
- *GWS, GHA, GQ, GN, GA, GH, and GS* are codes used to identify General Education requirements.
- *W* is the code used to designate courses that satisfy University Writing Across the Curriculum requirements.
- If you have not completed two years of high school study of one foreign language and graduated in the year 2001 or later, you must also schedule 3-4 credits of college level foreign language (in addition to your program requirements).
- An ECET student must complete general education requirements, the requirements for the major, the number of elective credits required, and earn at least a minimum 2.00 grade-point average.
- General education requirements include 6 credits of arts (GA), 6 credits of humanities (GH), 6 credits of social and behavioral sciences (GS), 3 credits of health and physical activity (GHA), 9 credits of natural sciences (GN), 9 credits of writing/speaking (GWS), and 6 credits of quantification (GQ).
- Also required are 3 credits of United States cultures (US), 3 credits of International Cultures (IL) which can be used to satisfy part of the general education requirements. A (USI) may count for either category, but not both.
- The School of Engineering Advising Handbook is on-line at <http://www.behrend.psu.edu/academic/engineering/PDFS/SchoolHandbook.pdf>
- University Undergraduate Advising Handbook is on-line at <http://www.psu.edu/dus/handbook/>.
- Requirement Web page <http://www.psu.edu/advising/requirements.htm>.
- Blue Book Web site <http://www.psu.edu/bulletins/bluebook/>.
- *Applies to students who have gone through the ETM process for the ECET major after January 1, 2007.
- ¹If ENGL 015 is full, schedule an S/H/A, ²nd semester ENGL 015, ³rd semester CAS 100, ⁴th semester PHYS 250.
- ²If EET 450 is not offered, schedule QC 450.