

RECOMMENDED ACADEMIC PLAN – ELECTRICAL ENGINEERING TECHNOLOGY

Suggested eight semester plan for students starting at the freshman year or re-enrolling from science or engineering programs. Students enrolling from 2EET programs will generally follow the requirements for the associate degree during the freshman and sophomore years and then semesters 5 to 8.

Computer Option

| Semester I | | Semester II | |
|--|-------------|---|---------|
| ENGL 015 Rhetoric and Composition or 030 Honors Freshman Composition GWS | 3 | CMPSC 101 Introduction to C++ Programming GQ, CMPSC 121 Introduction to Programming Techniques GQ, or 201 Computer Programming for Engineers Using C++ GQ | 3 |
| MATH 140 Calculus With Analytic Geometry IGQ | 4 | MATH 141 Calculus with Analytic Geometry II GQ | 4 |
| CHEM 110 Chemical Principles GN and 111 Experimental Chemistry GN | 4 | PHYS 150 Technical Physics I GN or 211 General Physics: Mechanics GN | 3 - 4 |
| EDSGN 100 Introduction to Engineering Design or EGT 101 Technical Drawing Fundamentals and 102 Introduction to Computer Aided Drafting | 2 - 3 | Humanities GH | 3 |
| Health and Physical Activity GHA | 1.5 | Arts GA | 3 |
| First-Year Seminar | 1 | | 16 - 17 |
| | 15.5 - 16.5 | | |
| Semester III | | Semester IV | |
| CAS 100 Effective Speech GWS | 3 | Humanities GH | 3 |
| PHYS 151 Technical Physics II GN or 212 General Physics: Electricity and Magnetism GN | 3 - 4 | Social and Behavioral Science GS | 3 |
| Social and Behavioral Science GS | 3 | ENGL 202C Effective Writing: Technical Writing GWS | 3 |
| Arts GA | 3 | Health and Physical Activity GHA | 1.5 |
| CMPEN 271 Introduction to Digital Systems | 3 | Elective (Needed to meet minimum program requirements of 128 credits) | 5 |
| CMPEN 275 Digital Design Laboratory | 1 | | 15.5 |
| | 16 - 17 | | |
| Semester V | | Semester VI | |
| E E 315 Electrical Circuits and Signals with Lab | 5 | EET 312 Electric Transients | 4 |
| CMPEH 472 Microprocessors | 4 | EET 331 Electronic Design | 4 |
| Select from MATH 230 Calculus and Vector Analysis, 250 Ordinary Differential Equations, 408 Advanced Calculus, 430 Linear Algebra and Discrete Models I, 444 Mathematical Statistics and Applications I, 446 Introduction to Statistics I, STAT 200 Elementary Statistics GQ | 3 - 4 | E E 310 Electronic Circuit Design I | 4 |
| Select from CMPSC 122 Intermediate Programming, 305 Object-Oriented Programming for Mathematics and Science I, 402 UNIX and C, 422 Object-Oriented Programming with C++ | 3 | CMPET 403 Switching Circuit Design | 4 |
| | 15 - 16 | | 16 |
| Semester VII | | Semester VIII | |
| EET 419 Project Proposal Preparation | 1 | EET 420W Electrical Design Project | 3 |
| CMPET Technical Elective | 4 | CMPET 401 Data Communications and Networking, 402 Networking Laboratory | 4 |
| CMPET Technical Elective | 4 | E E 485 Energy Systems and Conversion | 3 |
| Application Elective | 4 | CMPEN 431 Introduction to Computer Architecture | 3 |
| Elective (Needed to meet minimum program requirements of 128 credits) | 4 | | 13 |
| | 17 | | |

Advising Notes

- **Bold type** require a grade of C or better.
- *Italics* 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.
- US, IL, and US;IL are codes used to designate courses that satisfy University United States/International Cultures requirements.
- W is the code used to designate courses that satisfy University Writing Across the Curriculum requirements.

²Students choose Prescribed or Additional courses from the Computer Engineering Technology Option or the General Electrical Engineering Technology Option. A complete description and listing of courses can be found at www.psu.edu/bulletins/bluebook.

NOTE: Following courses are offered only in semesters as listed below.

Fall: PHYS 150, CMPEN 271, CMPEN 275, EE 315, CMPEH 472, MATH 230, MATH 430, EET 311
Spring: PHYS 151, MATH 250, EET 312, EET 331, EE 310, EE 485, CMPEN 431, CMPET 401, CMPET 402, CMPET 403

Students must complete a 3-credit course in "United States Cultures (US)" and a 3-credit course in "International Cultures (IL)."

This publication is not the official Bulletin of the University. The most up-to-date information can be found at www.psu.edu/bulletins/bluebook.