

Electronics Engineering Technology

For Catalog 129

Freshman Year

| First Semester | (Th-Pr) | Cr | Second Semester | (Th-Pr) | Cr |
|---|---------|-----------|--|---------|-----------|
| CHEM 107 Gen. Chem. for Engr. Students ^{4,5} | (3-3) | 4 | MATH 152 Engineering Mathematics II ^{4,5} | (3-2) | 4 |
| ENGL 104 Composition and Rhetoric ^{4,5} | (3-0) | 3 | PHYS 218 Mechanics ^{4,5} | (3-3) | 4 |
| MATH 151 Engineering Mathematics I ^{1,4,5} | (3-2) | 4 | University Core Curriculum electives ² | | 6 |
| University Core Curriculum elective ² | | 3 | KINE 199 Required Physical Activity | (0-2) | <u>1</u> |
| KINE 198 Health and Fitness Activity | (0-2) | <u>1</u> | | | 15 |
| | | 15 | | | |

Sophomore Year

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|---|-------|-----------|---|-------|-----------|
| ENTC 210 Circuit Analysis I ^{4,5} | (3-2) | 4 | CPSC 206 Structured Programming in C ^{4,5} | (3-2) | 4 |
| ENTC 219 Digital Electronics ^{4,5} | (2-2) | 3 | ENTC 211 Circuit Analysis II ⁵ | (3-2) | 4 |
| ENTC 250 Intro to Electronics Technology ^{4,5} | (2-2) | 3 | ENTC 215 Intro. to Telecommunications ⁵ | (3-0) | 4 |
| PHYS 208 Electricity and Optics ^{4,5} | (3-3) | 4 | ENTC 249 Advanced Digital Electronics ⁵ | (3-2) | <u>4</u> |
| STAT 211 Principles of Statistics I ⁵ | (3-0) | <u>3</u> | | | 16 |
| | | 17 | | | |

Junior Year

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|--|-------|-----------|---|-------|-----------|
| COMM 203 Public Speaking | (3-0) | 3 | ENTC 352 Introduction to Mixed-Signal Test and Measurement ⁵ | (3-2) | 4 |
| ENGL 210 Scientific and Tech Writing | (3-0) | 3 | ENTC 355 Electromagnetism and High-Frequency Systems ⁵ | (3-2) | 4 |
| ENTC 315 Local and Metropolitan Area Networks ⁵ | (3-2) | 4 | ENTC 359 Digital Instrumentation and Control ⁵ | (3-2) | 4 |
| ENTC 349 Microprocessors ⁵ | (3-2) | 4 | ENTC 369 Software Systems Tech. ⁵ | (3-2) | 4 |
| ENTC 350 Electronic Devices ⁵ | (3-2) | <u>4</u> | INEN 302 Econ. Analysis of Engr. Projects ⁵ | (2-0) | <u>2</u> |
| | | 18 | | | 18 |

Senior Year

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|---|-------|-----------|---|-------|-----------|
| ENGR 482 Ethics and Engineering ⁵ | (3-0) | 3 | ENTC 420 Electronics Tech. Projects ⁵ | (2-4) | 3 |
| ENTC 419 Technical Project Management ⁵ | (3-0) | 3 | ENTC 435 Data Communications ⁵ | (3-2) | 4 |
| ENTC 462 Control Systems ⁵ | (3-2) | 4 | Technical elective ^{3,5} | | 4 |
| ENTC 452 Adv. Semiconductor Test & Measurement ⁵ | (3-2) | 4 | University Core Curriculum electives ² | | <u>6</u> |
| University Core Curriculum elective ² | | <u>3</u> | | | 17 |
| | | 17 | | | |

Notes:

1. Entering students will be given a placement test in mathematics. Test results will be used in selecting the appropriate starting course which may be at a higher or lower level.
2. To be selected from the University Core Curriculum. Of the 21 hours shown, 3 must be from humanities, 3 must be from visual and performing arts, 3 from social and behavioral sciences, 6 from U.S. history, 6 from POLS 206 and 207, and 6 from international and cultural diversity. The international and cultural diversity requirement may be met by courses satisfying the visual and performing arts, social and behavioral sciences, and the political science and history requirements if they are also on the approved list of international and cultural diversity courses.
3. Must be a junior/senior level technical elective and must be approved by advisor and program coordinator. Students interested in Co-Op may use ENGR 385 for up to 3 credit hours. ENTC 485 Directed Studies is not for general use as a technical elective.
4. Common Body of Knowledge (CBK) courses required for admission to degree sequence.
5. Courses used to calculate in-major GPR. Grade of C or better is required for each of the courses.