

# Electrical Engineering Technology BS Course sequence (typical)

Catalog - 2005/2006

Total undergraduate credits 126

## Freshman (fall)

- 3 CHEM 110 (or 210T) - General Chemistry I
- 1 CHEM 111 (or 212) - General Chemistry I Lab
- 3 MATH155 - Trigonometry
- 3 COMS 100 - Communications I
- 3 ENGL103 - Composition I
- 3 General Education Requirement #1

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16

## Sophomore (fall)

- 4 MATH230 - Calculus II
- 3 TECH211 - CAD
- 3 TECH270 - Elect Fund & Cir Anal. I
- 3 TECH265 - Basic Manufacturing Processes
- 1 TECH270a - Elect Fund & Cir Anal. Lab
- 3 General Education Requirement #2

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17

## Junior (fall)

- 3 TECH 376 - Electronics II
- 1 TECH 376a - Electronics II Lab
- 3 TECH 375 - Control Systems
- 3 General Education Requirement #3
- 3 STAT 208 - Basic Statistics and Probability
- 3 EET Elective #1

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16

## Senior (fall)

- 1 TECH 477 - Senior Projects I
- 3 General Education Requirement #4
- 3 Tech 476
- 3 EET elective #2
- 3 TECH 443 - Engineering Economy
- 3 EET Elective #3

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16

## Freshman (Spring)

- 4 MATH229 - Calculus I
- 3 ENGL104 - Composition II
- 4 PHYS210 - General Physics I
- 3 TECH175 - Electronic Fund
- 1 TECH175a - Electronic Fund Lab

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15

## Sophomore (Spring)

- 4 CSCI240 - Computer Programming (C)
- 3 TECH271 - Elect Fund & Cir Anal. II
- 1 TECH271a - Elect Fund & Cir Anal. II (Lab)
- 3 TECH 276 - Electronics I
- 1 TECH276a - Electronics I Lab
- 3 TECH277 - Digital Logic Design
- 1 TECH277a - Digital Logic Design Lab

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16

## Junior (Spring)

- 3 TECH 377 - Microproc. and interfacing
- 1 TECH 377a - Microproc. and interfacing Lab
- 3 TECH 379 - Electric Machines
- 1 TECH 379a - Electric Machines Lab
- 3 Engl 308 - Technical Writing
- 3 TECH378 - Communications
- 1 TECH378a - Communications Lab

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15

## Senior (Spring)

- 3 TECH478 - Senior Projects II
- 3 General Education Requirement #5
- 3 General Education Requirement #6
- 3 EET Elective #4
- 3 EET elective #5

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15

## Electives (15 Total Hours Required)

- TECH 295 - Manufacturing Computer Applications (3)
- TECH 425 - PLC's (3)
- TECH 430 - Microcontrollers interfacing (3)
- TECH 470 - Fiber Optics (3)
- TECH 471 - Digital and Data Communications (3)
- TECH 472 - Integrated Circuit Devices (3)
- TECH 473 - Advanced Digital Design (3)
- TECH 479 - Special Topics in Engineering Technology (3)