# Bachelor of Science in Engineering Technology 2014-2015

## Curriculum Overview

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
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<tbody>
<tr>
<td>Tech 1711: Manufacturing Processes I (3)</td>
<td>Tech 1211: Computer Programming (3)</td>
<td>Field of Study Sequence 1 (9 - 19)</td>
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<tr>
<td>English 1010: English Composition (3)</td>
<td>English 1020: English Composition &amp; Analysis (3)</td>
<td>Field of Study Sequence 2 (9 - 19)</td>
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<tr>
<td>Literary Heritage ENGL 2201 or 2202 (3)</td>
<td>Comm 2381: Oral Communication (3)</td>
<td>American History (3)</td>
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<td>Comm 2381: Oral Communication (3)</td>
<td>ENGL 3603: Engineering Communications (3)</td>
<td>HUM/FINE ARTS (3)</td>
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<td>American History (3)</td>
<td>Social Science (3)</td>
<td>TECH Elective (3) Check prerequisites</td>
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Notes:
1. University of Memphis residency requires a minimum of 60 semester hours from accredited 4-year institutions.
2. College of Engineering residency requires that 30 of the last 60 hours earned be upper division hours in the College of Engineering.
3. Minimum 2.0 GPA (Overall and U of M) required for graduation.
4. Must earn a grade of "C" or better in all required MATH and TECH courses and ENGL 1010, 1020, 3603. Also pertains to any course substitutions.
5. Complete a minimum of two Elective Course Sequences, selected in consultation with advisor.
6. Immediate prerequisites for core course requirements shown --- other prerequisites may exist. Check the current catalog and observe prerequisites when enrolling for courses.

## Total Credit Hours:
- Pre-Engineering Technology Courses: 125-128
- Core Courses: 125-128
- Field of Study TECH Courses: 125-128
- Prerequisite: 125-128

December 2014
Mechanical Systems Design

Product Realization

Operations Strategy & Lean Principles

Notes:
1. ALL Pre-Engineering Technology courses must be completed prior to enrollment in the Elective sequences.
# BACHELOR OF SCIENCE IN ENGINEERING TECHNOLOGY 2014-2015

## ELECTIVE SEQUENCES

### Automation & Control Systems

- **FRESHMAN**
  - Fall: TECH 2821 Solid state Technology (3)
  - Spring: TECH 2822 Circuit Analysis (4)

- **SOPHOMORE**
  - Fall: TECH 2821 Solid state Technology (3)
  - Spring: TECH 2822 Circuit Analysis (4)

- **JUNIOR**
  - Fall: TECH 2831 Advanced Solid State Technology (3)
  - Spring: TECH 3232 Digital Technology (4)

- **SENIOR**
  - Fall: TECH 3440 Project Plan/ Cost (3)
  - Spring: TECH 4821 Microwave Technology (4)

### Electronic Communication Systems

- **FRESHMAN**
  - Fall: TECH 2821 Solid state Technology (3)
  - Spring: TECH 3044 Analysis for Engr. Tech. (4)

- **SOPHOMORE**
  - Fall: TECH 2831 Advanced Solid State Technology (3)
  - Spring: TECH 3232 Digital Technology (4)

- **JUNIOR**
  - Fall: TECH 3811 Electronic Communication (3)
  - Spring: TECH 3812 Advanced Electronic Communication (3)

- **SENIOR**
  - Fall: TECH 4823 Advanced Programmable Logic Controllers (4)

### Microprocessor Systems

- **FRESHMAN**
  - Fall: TECH 2821 Solid state Technology (3)
  - Spring: TECH 2822 Circuit Analysis (4)

- **SOPHOMORE**
  - Fall: TECH 2831 Advanced Solid State Technology (3)
  - Spring: TECH 3232 Digital Technology (4)

- **JUNIOR**
  - Fall: TECH 3440 Project Plan/ Cost (3)
  - Spring: TECH 3233 Microprocessor Technology (4)

- **SENIOR**
  - Fall: TECH 4234 Microprocessor Interfacing (4)

### Notes:
1. ALL Pre-Engineering Technology courses must be completed prior to enrollment in the Elective sequences.

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August 2014
System/Network Administration

Software Design

Notes:
1. ALL Pre-Engineering Technology courses must be completed prior to enrollment in the Elective sequences.