# Bachelor of Science — Engineering Leadership

## Degree Plan (checklist)

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### A Core Curriculum (45 SCH) (minimum of "C" grade required)

<table>
<thead>
<tr>
<th>Sub #</th>
<th>Course on degree plan to substitute</th>
<th>Institution where course was taken</th>
<th>Course as it appears on UTEP Transcript</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Communication (6 credit hours required)</td>
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</tr>
<tr>
<td>2</td>
<td>Mathematics (4)</td>
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<tr>
<td>3</td>
<td>Life and Physical Sciences (8)</td>
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<tr>
<td>4</td>
<td>Language, Philosophy, and Culture (3)</td>
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<tr>
<td>5</td>
<td>Creative Arts (3)</td>
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<tr>
<td>6</td>
<td>American History (6)</td>
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<tr>
<td>7</td>
<td>Government/Political Science (6)</td>
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### B Foundational Math & Science (12 SCH)

- **MATH 1312** Calculus II
- **MATH 2313** Calculus III
- **MATH 2326** Differential Equations
- **CHEM 1305** General Chemistry

### C Major: Required Lower Division Courses (24 SCH)

- **EL 1205** Graphic Fundamentals in Eng. Design
- **EL 1302** Intro to Eng. Design & Leadership
- **EL 2301** Engineering Leadership I
- **MME 2303** Intro to Materials Sci & Engineering
- **MME 2434** Mechanics of Materials
- **CE 2338** Dynamics
- **CE 2377** Electro Mechanical Systems
- **MECH 2311** Introduction to Thermo-Fluid

### D Major: Required Upper Division Courses (20 SCH)

- **EL 3103** Professional Practice I
- **EL 3105** Professional Practice II
- **EL 3302** Engineering Leadership II
- **EL 3304** Engineering Leadership III
- **EL 3331** Systems Engineering
- **EL 3373** Engineering Probability & Stat. Models
- **EL 4395** Senior Design I
- **EL 4396** Senior Design II

### E Major: Concentration Courses (12 SCH)

See advisor for list of concentrations & approved courses within concentration.

### F Upper Division Engineering Technical Elective (9 SCH)

See advisor for approved courses.

### H Upper Division Math/Science Elective (3 SCH)

See advisor for approved courses.

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### Notes:

- * -- C or better required
- ** -- requires submission of official substitution form.
- a -- MME 1205 may be substituted upon pre-approval.
- b -- IE 3373 may be substituted.

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### BSLE Total Hours: 125

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### Approvals:

- Advisor: ____________________________ Date: ____________________________
- Chair: ____________________________ Date: ____________________________

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Rev. 03-30-2015