Bachelor of Science in Engineering - Electrical Engineering  
2017-2018 Catalog

Name: ___________________________________                      ID #: _______________________

**UNLV General Education Core (30-36 Credits)**

<table>
<thead>
<tr>
<th>English: 6 Credits</th>
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<tbody>
<tr>
<td>ENG 101*</td>
<td>3</td>
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<tr>
<td>ENG 102*</td>
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**First Year Seminar: 2-3 Credits**

EGG 101/L Recommended

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**Second Year Seminar: 3 Credits**

***Phil 242 satisfies SYS & Humanities for Engineering students only***

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**Constitution: 4-6 Credits**

Choose from: PSC 101, HIST 100, HIST 101+102, or HIST 101 + (HIST 217 or PSC 100)

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**Social Science: 9 Credits**

**ECON 190 satisfies UNLV International requirement**

Must Be in 3 Different Areas

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**Fine Arts: 3 Credits**

**Choose from approved list in catalog**

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**Humanities: 6 Credits**

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<tr>
<td>COM 216</td>
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<td>***PHL 242</td>
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**Departmental Requirements: 98 Credits**

**Math/Science: 33 Credits**

| CHEM 121A* | 3 | |
| CHEM 121L* | 1 | |
| CS 117 or 135/L* | 3 | |
| MATH 181* | 4 | |
| MATH 182* | 4 | |
| MATH 283 | 4 | |
| MATH 431 | 3 | |
| MATH 432 or 459 | 3 | |
| PHYS 180* | 3 | |
| PHYS 180L* | 1 | |
| PHYS 181 | 3 | |
| PHYS 181L | 1 | |

**EE/CPE Fundamentals: 33 Credits**

| CpE 100* | 3 | |
| CpE 200/D | 3 | |
| CpE 200L | 1 | |
| EE 220/D | 3 | |
| EE 221 | 3 | |
| EE 221L | 1 | |
| EE 320 | 3 | |
| EE 320L | 1 | |
| EE 330/D | 3 | |
| EE 360/D | 3 | |
| EE 361 | 3 | |
| EE 370 | 3 | |
| EE 497 | 1 | |
| EE 498 | 2 | |

**EE Core: 18 Credits** Must complete at least 1 course in 6 areas

Communications

| EE 460 | 3 | |

Computers

| CPE 30X | 3 | |

Controls

| EE 472 | 3 | |

Digital Signal Processing

| EE 480 | 3 | |

Electronics

| EE 42X | 3 | |

Electromagnetics

| EE 43X | 3 | |

Power

| EE 340 | 3 | |

Solid State

| EE 450 | 3 | |

**EE Labs: 5 Credits.** Must complete minimum 5 credits of laboratories

| CpE 300L | 1 | |
| CpE 310L | 1 | |
| EE 340L | 1 | |
| EE 370L | 1 | |
| EE 420L | 1 | |
| EE 421L | 1 | |
| EE 450L | 1 | |
| EE 460L | 1 | |
| EE 480L | 1 | |

**Professional Electives: 6 Credits**

6 Credits from EE or CPE Classes (See approved list)

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**Math/Science Electives: 3 Credits**

3 Credits from Math/Science - MATH, PHYS, CHEM, BIOL (See approved list)

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**Total Credits: 128-134**