

**ELECTRICAL ENGINEERING- BS in Engineering (BSE)**  
Ira A. Fulton School of Engineering - Tempe campus

2007-2008 Catalog

School centric admission standards apply for new students and for change of major.  
2.0 cumulative GPA required for all EEE courses.

**Critical Requirements****Semester 1 (0-15 credits):**

Complete the following courses:

- MAT 265 with a minimum grade of “C”
- 1 of: EEE 101, EEE 120; CSE 100

**Semester 2 (16-30 credits):**

Complete the remaining 2 of:

- EEE 101
- EEE 120
- CSE 100

Complete the following courses with a minimum grade of “C”:

- MAT 266
- PHY 121 & 122

**Semester 3 (31-45 credits):**

Complete the following courses:

- CHM 114 or 116
- EEE 202
- MAT 267 with a minimum grade of “C”
- MAT 274 or 275 with a minimum grade of “C”
- PHY 131 & 132 with a minimum grade of “C”
- First Year Composition Requirement (ENG 101/107 AND ENG 102/108 or ENG 105)

Complete Milestone:

- Complete all skill set courses with a minimum cumulative GPA of 2.50 [CHM 114 or 116; CSE 100; EEE 101, 120, 202; MAT 265, 266, 267, 274 or 275; PHY 121, 122, 131, 132]

**Semester 4 (46-60 credits):**

Complete the following courses:

- EEE 241
- EEE 203

### Major Map

Critical Requirements in **red/bold**

\* "C" minimum required

*Semester 1: (0-15 credits)*

*Semester 2: (16-30 credits)*

*ENG 101/107 or ENG 102/108 or ENG 105	3	* ENG 101/107 or ENG 102/108 or ENG 105. If ENG 105 then take HU/SB	3
<b>*MAT 265</b>	3	<b>*MAT 266</b>	3
<b>CHM 114 or 116</b>	4	<b>*PHY 121 &amp; 122</b>	3/1
<b>EEE 101</b> or BME 111	3	<b>EEE 101</b> or BME 111	3
<b>CSE 100 or EEE 120</b>	3	<b>CSE 100 or EEE 120</b>	3
	16		16

*Semester 3: (31-45 credits)*

*Semester 4: (46-60 credits)*

<b>*MAT 267</b>	3	*MAT 342 or 343	3
<b>*MAT 274 or 275</b>	3	*PHY 241	3
<b>*PHY 131 &amp; 132</b>	3/1	<b>EEE 203</b>	3
<b>EEE 202</b>	4	<b>EEE 241</b>	3
		HU C,G,H	3
<b>Completed <u>MILESTONE</u> and First Year Composition Requirement (ENG 101/107 AND ENG 102/108 or ENG 105)</b>	14		15

*Semester 5: (46-60 credits)*

*Semester 6: (61-75 credits)*

EEE 334	4	Area Pathway Course	4
EEE 350	3	Area Pathway Course	4
EEE 230	3	Area Pathway Course	4
Area Pathway Course	4	ECN 211 or 212 (SB)	3
	14		15

*Semester 7: (76-90 credits)*

*Semester 8: (106-120)*

EEE 488	3	EEE 489	3
Technical Elective	3	Technical Elective	3
Technical Elective	3	Technical Elective	3
HU C,G,H	3	Technical Elective	3
SB C,G,H	3	UD HU/SB	3
	15		15

## **ASU 101: The ASU Experience**

*Required for all incoming freshmen students*

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In addition to the courses listed on the major map, all incoming freshmen students are required to register for ASU 101: The ASU Experience (1 credit).

### **About the ASU 101 Course:**

Students will learn about ASU's mission as the New American University, the importance and benefits of an entrepreneurial approach to problem solving, solutions to sustainability challenges, the importance of social embeddedness, and cultural diversity. Additionally, through various course discussions and assignments, students will examine the concept of academic integrity and its potential impact on their future, gain awareness of the value of engaging in research activities, and learn about taking an interdisciplinary perspective.

Additional information can be found on the web at [www.asu.edu/ASU101](http://www.asu.edu/ASU101).

### **Course Format:**

The course is a one-credit, 5-week course and will be offered in a hybrid format (both face-to-face and on-line).