

# Bachelor of Science in Engineering - Electrical Engineering 2016-2017 Catalog

Name: \_\_\_\_\_

ID #: \_\_\_\_\_

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

**English: 6 Credits**

	SEM	CRED	GRADE
ENG 101*		3	
ENG 102*		3	

### First Year Seminar: 2-3 Credits

EGG 101/L Recommended

	SEM	CRED	GRADE

### Second Year Seminar: 3 Credits

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

	SEM	CRED	GRADE
		3	

### Constitution: 4-6 Credits

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

	SEM	CRED	GRADE

### Social Science: 9 Credits

\*\*ECON 190 satisfies UNLV International requirement

Must Be in 3 Different Areas

	SEM	CRED	GRADE
ECON 190** (International)		3	
EGG 307		3	
		3	

### Fine Arts: 3 Credits

\*\*Choose from approved list in catalog

	SEM	CRED	GRADE
		3	

### Humanities: 6 Credits

	SEM	CRED	GRADE
COM 216		3	
***PHIL 242		3	

### Departmental Requirements: 98 Credits

**Math/Science: 33 Credits**

	SEM	CRED	GRADE
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	

### NOTES:

\* = These courses must be completed with a "C" or higher to obtain "Advanced Standing" in the major

\*\* = A 3-credit international and 3-credit multicultural class must be completed per UNLV GEN ED. requirements

### EE Fundamentals: 33 Credits

	SEM	CRED	GRADE
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

	SEM	CRED	GRADE
EE 460		3	
CPE 30X		3	
EE 472		3	
EE 480		3	
EE 42X		3	
EE 43X		3	
EE 340		3	
EE 450		3	

### EE Labs: 5 Credits.

Must complete minimum 5 credits of laboratories

	SEM	CRED	GRADE
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)

	SEM	CRED	GRADE
		3	
		3	

### Math/Science Electives: 3 Credits

3 Credits from Math/Science - MATH, PHYS, CHEM, BIOL

(See approved list)

	SEM	CRED	GRADE
		3	

## Total Credits: 128-134