

# Bachelor of Science in Engineering - Computer 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: 97 Credits

**Math/Science: 29 Credits**

	SEM	CRED	GRADE
CHEM 121A*		3	
CHEM 121L*		1	
MATH 181*		4	
MATH 182*		4	
MATH 251		3	
CpE 260 or MATH 431		3	
STAT 411 or 463		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: 46 Credits

	SEM	CRED	GRADE
CS135/L*		3	
CS 202		3	
CS 218		3	
CS 302		3	
CS 370		3	
CpE 100*		3	
CpE 200/D		3	
CpE 200L		1	
CpE 300		3	
CpE 301		3	
CpE 301L		1	
CpE 302		3	
EE 220/D		3	
EE 221		3	
EE 221L		1	
EE 320		3	
EE 320L		1	
EE 497		1	
EE 498		2	

### CpE Core: 12 Credits

Must complete 2 courses in 2 concentration areas out of the following 4 areas.

^CS 445 cannot be used to satisfy requirements for both the Computer Networks Core and Security Systems Core

	SEM	CRED	GRADE
<b>Digital Electronic Design</b>			
EE 421		3	
CpE 408		3	
<b>Computer Networks</b>			
CpE 400		3	
^CS 445		3	
<b>Computer Systems Design</b>			
CpE 403		3	
CpE 404		3	
<b>Security Systems</b>			
CpE 405		3	
CpE 407		3	
^CS 445		3	

### CE Labs: 1 Credits.

Must complete minimum 1 credit of laboratory

	SEM	CRED	GRADE
CPE 300L		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: 127-130**