

Bachelor of Science in Engineering - Computer Engineering 2019-2020 Catalog

Name: _____

NSHE ID#: _____

UNLV General Education Core (27-39 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: 0-3 Credits

***Phil 242 satisfies SYS & Humanities (Engineering Students Only)			
***0 credits if Phil 242 taken as SYS	SEM	CRED	GRADE

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: 6 Credits

Must be from 2 different areas NOT ECON			
**SEE NOTE BELOW	CRED	GRADE	
CEE 307		3	
		3	

Fine Arts: 3 Credits

**Choose from approved list in catalog	SEM	CRED	GRADE
		3	

Humanities: 6 Credits

***PHIL 242	SEM	CRED	GRADE
		3	
		3	

Departmental Requirements: 93 Credits

Math/Science: 25 Credits	SEM	CRED	GRADE
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:

*Designates courses to be completed as pre-major curriculum.
A grade of C or higher must be earned in all pre-major courses
** A 3-credit international and 3-credit multicultural class must be completed per UNLV GEN ED. requirements. The use of "Double-Dipper" courses are recommended, see approved list.
GRADES OF C OR HIGHER MUST BE EARNED IN ALL PRE-MAJOR AND ADVANCED STANDING COURSES FOR GRADUATION. THIS INCLUDES ANY ENGINEERING, COMPUTER SCIENCE, MATHEMATICS, SCIENCE AND ENGLISH COURSES PER THE 2019-20 CATALOG.

EE/CPE Fundamentals: 43 Credits

	SEM	CRED	GRADE
CS135/L*		3	
CS 202		3	
CS 302		3	
CS 370		3	
CpE 100*		3	
CpE 200/D		3	
CpE 200L		1	
CpE 300		3	
CpE 301/D		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.

	SEM	CRED	GRADE
Digital Design			
EE 421		3	
CpE 404		3	
CpE 408		3	
Computer Networks			
CpE 400		3	
CpE 405		3	
CS 445		3	
Embedded Systems			
CpE 403		3	
CpE 476		3	
CpE 409		3	
Intelligent Systems (IS)			
CpE 407		3	
CpE 417		3	
CS 458		3	

CE Labs: 1 Credits

Must complete minimum 1 credit of lab	SEM	CRED	GRADE
CPE 300L		1	
EE 420L		1	
EE 421L		1	

Professional Electives: 6 Credits

6 Credits from EE, CPE or EGG Classes

(See approved list)	SEM	CRED	GRADE
		3	
		3	

Math/Science Electives: 6 Credits

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

(See approved list)	SEM	CRED	GRADE

Minimum GPA Needed for Graduation 2.0

Total Credits: 120-132