

## 2024-25 Bachelor of Science in Engineering – Electrical Engineering

### General Education Core Requirements 27-39 Credits

First Year Seminar 3 Credits				
Course	Cr	Gr	Trans	Sem
EGG 101	1			
EGG 202 (TAKEN IN SECOND YEAR)	1			

Second Year Seminar 0-3 Credits				
Recommend PHIL 242 (Double-Dips with Humanities)				
Course	Cr	Gr	Trans	Sem

English 6 Credits				
Course	Cr	Gr	Trans	Sem
ENG 101	3			
ENG 102	3			

**Constitution 4 to 6 Credits**  
**Recommended: PSC 101 or HIST 100 OR HIST 101+102 OR HIST101+PSC 100 OR HIST 101+HIST 217. SEE FULL APPROVED LIST OF CONSTITUTION OPTIONS IN THE 2024-25 CATALOG.**

Course	Cr	Gr	Trans	Sem

**Social Sciences 6 Credits**  
**Two Different Areas (NOT ECON)**  
**(Recommend Double-dip with International or Multicultural Req.)**

Course	Cr	Gr	Trans	Sem
CEE 307	3			
	3			

**Fine Arts 3 Credits**  
**(Recommend Double-dip with International or Multicultural Req.)**

Course	Cr	Gr	Trans	Sem
	3			

**Humanities 6 Credits**  
**(Recommend Double-dip with International or Multicultural Req.)**

Course	Cr	Gr	Trans	Sem
PHIL 242 (DOUBLE-DIPS AS SYS)	3			
	3			

### Department Requirements 94 Credits

Math/Science 26 Credits				
Course	Cr	Gr	Trans	Sem
MATH 181*	4			
MATH 182*	4			
MATH 283	4			
MATH 431	3			
MATH 432 OR 459	3			
PHYS 195*	3			
PHYS 195L*	1			
PHYS 196	3			
PHYS 196L	1			

### EE/CPE Fundamentals 36 Credits

Course	Cr	Gr	Trans	Sem
CS 135/L*	3			
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 (Complete 1 course in 5 areas) 15 Credits

Course	Cr	Gr	Trans	Sem
<b>Communications:</b> EE 460	3			
<b>Computers:</b> CPE 30X	3			
<b>Controls:</b> EE 472	3			
<b>Digital Signal Processing:</b> EE 480	3			
<b>Electronics:</b> EE 42X	3			
<b>Electromagnetics:</b> EE 43X	3			
<b>Power:</b> EE 340	3			
<b>Solid State:</b> EE 450	3			

### EE Labs (Minimum of 4 labs must taken) 4 Credits

**Options: CPE 300L, CPE 310L, EE 340L, EE 370L, EE 420L, EE 421L, EE 450L, EE 460L and EE 480L**

Course	Cr	Gr	Trans	Sem
	1			
	1			
	1			
	1			

### Math Science Elective (See approved list) (Chem 121A/L Recommended) 4 Credits

Course	Cr	Gr	Trans	Sem

### Professional Electives (See approved list) 9 Credits

Course	Cr	Gr	Trans	Sem
	3			
	3			
	3			

**Supplemental Notes:**

- Per UNLV catalog, students are solely responsible for knowing and completing their degree requirements.
- Academic Advisors are available to help students understand and meet graduation requirements. Meet with your advisor regularly.
- 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.
- All English, math, science, and engineering courses must have a grade of "C" or higher for graduation and to progress.
- 2.00 or higher UNLV GPA is required for graduation
- 30 credits of upper division credits (300 or 400 level courses) must be taken at UNLV per NSHE requirement.

- Minimum number of semester units required for a bachelor's degree from UNLV is 120. Electrical Eng. students will have 122 credits or more.
- **The College of Engineering as a 3 attempt policy in all engineering, computer science and construction management courses. After the third attempt students will have to petition to continue in their major.**
- \*Indicates "pre" electrical engineering course.

GPA Summary and Credits Completed and Remaining	
Cumulative GPA	
Credits Complete	
Credits Remaining	