

## 2024-25 Bachelor of Science in Engineering – Computer 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 93 Credits

| Math/Science 25 Credits |    |    |       |     |
|-------------------------|----|----|-------|-----|
| Course                  | Cr | Gr | Trans | Sem |
| MATH 181*               | 4  |    |       |     |
| MATH 182*               | 4  |    |       |     |
| MATH 251                | 4  |    |       |     |
| MATH 431 or CPE 260     | 3  |    |       |     |
| STAT 411 OR 463         | 3  |    |       |     |
| PHYS 195*               | 3  |    |       |     |
| PHYS 195L*              | 1  |    |       |     |
| PHYS 196                | 3  |    |       |     |
| PHYS 196L               | 1  |    |       |     |

| EE/CPE Fundamentals 43 Credits |    |    |       |     |
|--------------------------------|----|----|-------|-----|
| Course                         | Cr | Gr | Trans | Sem |
| CS 135/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 (Complete 2 courses in 2 concentration areas) 12 Credits |    |    |       |     |
|---|----|----|-------|-----|
| Course  | Cr | Gr | Trans | Sem |
| <b>DIGITAL DESIGN</b>   |    |    |       |     |
| EE 421  | 3  |    |       |     |
| CPE 404   | 3  |    |       |     |
| CPE 409   | 3  |    |       |     |
| <b>COMPUTER NETWORKS</b>  |    |    |       |     |
| CPE 400   | 3  |    |       |     |
| CPE 405   | 3  |    |       |     |
| CS 445  | 3  |    |       |     |
| <b>EMBEDDED SYSTEMS</b>   |    |    |       |     |
| CPE 403   | 3  |    |       |     |
| CPE 409   | 3  |    |       |     |
| CPE 476   | 3  |    |       |     |
| CPE 477   | 3  |    |       |     |
| <b>INTELLIGENT SYSTEMS</b>  |    |    |       |     |
| CPE 407   | 3  |    |       |     |
| CPE 417   | 3  |    |       |     |
| CS 458  | 3  |    |       |     |

**CPE/EE Labs (Minimum of 1 lab must be taken) 1 Credit**  
**Options: CPE 300L, EE 420L or EE 421L**

| Course | Cr | Gr | Trans | Sem |
|--------|----|----|-------|-----|
|        | 1  |    |       |     |

**Math Science Elective (See approved list) 6 Credits**  
**CHEM 121A/L Recommended**

| Course | Cr | Gr | Trans | Sem |
|--------|----|----|-------|-----|
|        |    |    |       |     |

**Professional Electives (See approved list)**

**6 Credits**

| Course | Cr | Gr | Trans | Sem |
|--------|----|----|-------|-----|
|        | 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

- The last 30 credits of your degree need to be taken uninterrupted from an NSHE institution.
- 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. Comp. Eng. students will have 120 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" computer engineering course.**

**GPA Summary and Credits Completed and Remaining**

|                   |  |
|-------------------|--|
| Cumulative GPA    |  |
| Credits Complete  |  |
| Credits Remaining |  |