

### Program Admission:

- Complete foundation courses\* with minimum grade of **C**
- Overall GPA  $\geq 2.5$
- Submit application to Department.

### Graduation:

- Complete 125 hrs total with 40 hrs upper division EE.
- Overall GPA  $\geq 2.5$
- C or better in EE core and elective courses.
- Residency  $\geq 30$  hrs at UVU ( $\geq 12$  EE). At least 10 hrs in last 45 hrs earned.
- Transfer credits  $< 80$  hrs total and 20 hrs in EE.
- Complete one Global/Intercultural course.
- Take FE Exam

PRE-REQS.,  
CO-REQS.

CATALOG #####  
Course Title

Credit hr F,S

### Shading Key:

- Blue = Math core
- Yellow = Science Core
- Grey = General Education
- White = EE Admission Required

| Year 1   |  | Year 2   |  | Year 3   |   | Year 4   |  |
|--|--|--|--|--|---|--|--|
| Fall (16 hrs)  | Spring (16 hrs)  | Fall (15 hrs)  | Spring (15 hrs)  | Fall (16 hrs)  | Spring (16 hrs)   | Fall (16 hrs)  | Spring (16 hrs)  |
| MATH 1060 or higher<br><b>ECE 1000*</b><br>Introduction to Elec. & Comp. Engineering<br>3 hr F,S | MAT 1010 or higher<br><b>CS 1400*</b><br>Fund. of Programming<br>3 hr F,S,Su | MATH 1050 or 1055<br><b>ECE 2700*</b><br>Digital Design I<br>3 hr F,S  | MATH 1220, ECE 1000<br><b>ECE 2750</b><br>Engineering Analysis<br>3 hr F,S | ECE 2750<br><b>ECE 3770</b><br>Signals and Systems<br>3 hr F,S           | ECE 2250, ECE 3770<br><b>ECE 3350</b><br>Control Systems<br>3 hr S          | ECE 4730<br><b>ECE 4900</b><br>EE Capstone I<br>3 hr F         | ECE 4900<br><b>ECE 4950</b><br>EE Capstone II<br>3 hr S                        |
|  |  | <b>ECE 2705*</b><br>Digital Design I Lab<br>1 hr F,S                   | MATH 1210<br><b>ECE 3710*</b><br>Applied Prob. & Statistics<br>3 hr F,S,Su | ECE 2700, ECE 2250<br><b>ECE 3730</b><br>Embedded Systems I<br>3 hr F,S  | ECE 3730, ECE 3740<br><b>ECE 4730</b><br>Embedded Systems II<br>3 hr S      | ECE 3740<br><b>ECE 4700</b><br>Computer Arch.<br>3 hr F,S      | See Catalog<br><b>EE Elective</b><br>3 hr                                      |
| MATH 1050, 1060 or 1065<br><b>MATH 1210*</b><br>Calculus I<br>4 hr F,S,Su                        | MATH 1210<br><b>MATH 1220*</b><br>Calculus II<br>4 hr F,S,Su                 | MATH 1220<br><b>MATH 2210*</b><br>Calculus III<br>4 hr F,S,Su          | PHYS 2220, ECE 1000<br><b>ECE 2250*</b><br>Circuit Theory<br>3 hr F,S      | ECE 2700<br><b>ECE 3740</b><br>Digital Design II<br>3 hr F,S             | ECE 2250<br><b>ECE 3250</b><br>Energy Conversion<br>3 hr S                  | See Catalog<br><b>EE Elective</b><br>3 hr                      | PHYS 2220, ECE 2250<br><b>ECE 3450</b><br>Electromag. & Trans. Lines<br>3 hr S |
| MATH 1050<br><b>CHEM 1210</b><br>Principles of Chemistry I<br>4 hr F,S,Su                        | MATH 1210<br><b>PHYS 2210*</b><br>Physics I<br>4 hrs F,S,Su                  | PHYS 2225, MATH 1220<br><b>PHYS 2220*</b><br>Physics II<br>4 hr F,S,Su | <b>ECE 2255*</b><br>Circuit Theory Lab<br>1 hr F,S                         | PHYS 2220, ECE 2250<br><b>ECE 3760</b><br>Electronic Systems<br>3 hr F,S | ECE 3770, ECE 3710<br><b>ECE 3780</b><br>Comm. Systems & Circuits<br>3 hr S | ECE 3760<br><b>ECE 4760</b><br>VLSI Design<br>3 hr F           | ECE 3710, ECE 3770<br><b>ECE 4750</b><br>Digital Signal Processing<br>3 hr F,S |
| <b>CHEM 1215</b><br>Principles of Chemistry I Lab<br>1 hr F,S,Su                                 | <b>PHYS 2215*</b><br>Physics I Lab<br>1 hr F,S,Su                            | <b>PHYS 2225*</b><br>Physics II Lab<br>1 hr F,S,Su                     |  | <b>ECE 3765</b><br>Electronic Systems Lab<br>1 hr F,S                    | <b>ECE 3785</b><br>Comm. Systems & Circuits Lab<br>1 hr S                   | <b>ECE 4765</b><br>VLSI Design Lab<br>1 hr F                   | <b>ECE 4755</b><br>Digital Signal Processing Lab<br>1 hr F,S                   |
| Test or ENGH 1000<br><b>ENGL 1010</b><br>Introduction to Writing<br>3 hr F,S,Su                  | Test or ENGL 1010<br><b>ENGL 2010</b><br>Intermediate Writing<br>3 hr F,S,Su | <b>GE Biology Elective</b><br>3 hr                                     | <b>GE Health Elective</b><br>2 hr  | <b>GE American Institutions Elective</b><br>3 hr                         | <b>GE Fine Arts Elective</b><br>3 hr  | <b>COMM 2110</b><br>Interpersonal Communication<br>3 hr F,S,Su | <b>PHIL 205G</b><br>Ethics and Values<br>3 hr F,S,Su                           |
|  |  |  |  |  | <b>COMM 1020</b><br>Public Speaking<br>3 hr F,S,Su                          |  |  |