

ELECTRICAL ENGINEERING, BSEE

| | FALL | | | 2.51 | | | SPRINC | ì | | 3.51 | |
|--------------------------|---|------------|------------|--------------|---------------|------------------------------|--|--------------|---------|--------------|-------|
| Course Number | Course Title | USP | CR | Min Grade | Grade | Course Number | · Course Title | USP | CR | Min Grade | Grade |
| vumber | | | | | ESHM | AN YEAR | | | | Grade | |
| CHEM 1020 | General Chemistry I | PN | 4 | D | | MATH 2205 | Calculus II | Q | 4 | С | |
| Prerequisite: | ACT Math 23 or concurrent MATH | 1400, 14 | 405 or 1 | 450 | | Prerequisite: | C in Math 2200 | • | | | |
| EE 1010 | Intro/Electrical & Compute | r Eng | 1 | D | | EE/ES > 2000 | Any ES, EE, BE course (2000 or | nigher) | 3 | D | |
| | | | | | | | or COSC 3011 or COSC 3750 | | | | |
| | USP: Communications I | C1 | 3 | C | | MATH 2250 | Elementary Linear Algebra | a | 3 | C | |
| MATH 2200 | Calculus I | | 4 | С | | Prerequisite: | C in Math 2200 | DAT | 4 | С | |
| Prerequisite: | C in Math 1405 or 1450, MPE 5, Math | Q | • | - | | PHYS 1210 Prerequisite: | Engr Physics I Concurrent in Math 2205 | PN | 4 | C | |
| COSC 1010 | Intro to Computer Science | ACT 27, | 3 | C | | Trerequisite. | USP: US & Wyo Const. | v | 3 | D | |
| 2056 1010 | mero to computer science | | • | | | | asi. as a wyo const. | • | , | D | |
| | Total | | 15 | | | L | Tota | ıl | 17 | | |
| | | | | SOF | PHOMO | ORE YEAR | | | | | |
| EE/ES > 2000 | Any ES, EE, BE course (2000 or hig | her) | 3 | D | | EE 2220 | Circuits and Signals | | 4 | C | |
| | or COSC 3011 or COSC 3750 | | | | | Prerequisite: | C in ES 2210 | | | | |
| ES 2210 | Electric Circuit Analysis | | 3 | C | | EE 2390 | Digital Systems Design | | 4 | C | |
| Prerequisite: | Concurrent in MATH 2205 | | | | | Prerequisite: | C in MATH 2205 and ES 1060 (| | | | 30) |
| MATH 2210 | Calculus III | | 4 | C | | MATH 2310 | Applied Differential Eqns C in MATH 2205 | I | 3 | С | |
| Prerequisite: PHYS 1220 | C in Math 2205 Engr Physics II | PN | 4 | С | - | Prerequisite: | Math/Science Elective | | 3 | D | |
| Prerequisite: | Concurrent in MATH 2210 | 111 | 4 | C | | | Matii/ Science Elective | | J | D | |
| rerequisite. | USP: Human Culture | Н | 3 | D | | | General Elective | | 3 | D | |
| | | | | | | | | | | | |
| | Total | | 17 | | | | Tota | ıl | 17 | | |
| | | | | J | <u>[UNIO]</u> | R YEAR | | | | | |
| EE 3150 | Electromagnetics | | 3 | C | | EE 3331 | Electronics II | | 3 | D | |
| Prerequisite: | C in ES 2210, MATH 2210, and co. | ncurrent i | | | | Prerequisite: | C in EE 2220 and either EE 3310 or | EE 3311 | | | |
| EE 3220 | Signals and Systems | | 3 | C | | EE 3332 | Electronics II Laboratory | . 1) 17 | 1 | D | |
| Prerequisite: EE 3311 | C in EE 2220 Electronics I | | 3 | C | | Prerequisite: EE 4075 | Concurrent in EE 3331 (or complete the complete that the complete the complete that the complete that the complete the complete that the c | etea) ana C | in EE 3 | D | |
| Prerequisite: | Concurrent in EE 2220 and C in PH | YS 1220 | | | | Prerequisite: | C in MATH 2205, COSC 1010, | and MATE | | | |
| EE 3312 | Electronics I Laboratory | 15 1220 | 1 | <u>C</u> | | EE 4220 | Probabilistic Signals and | 111Q 7V17111 | 3 | C | |
| Prerequisite: | Concurrent in EE 3311 (or completed | 4) | • | C | | Prerequisite: | C in MATH 2210 and concurrent | in FF 322 | | C | |
| EE 3510 | Elec Machines & Power Sys | -) | 4 | D | | EE 4390 | Microprocessors | III EE JEZ | 3 | D | |
| Prerequisite: | C in ES 2210 | | | | | Prerequisite: | C in EE 2390 | | | _ | |
| | USP: Communications II | C2 | 3 | C | | EE 4620 | Automatic Control System | ıs | 3 | D | |
| Prerequisite: | C in C1 | | | | | Prerequisite: | C in EE 2220 | | | | |
| | Total | | 17 | | | | Tota | ıl | 17 | | |
| | | | | | <u>ENIO</u> | R YEAR | | | | | |
| EE 4440 | Communication Theory | | 3 | D | | EE 4830 | Senior Design II | C3 | 2 | C | |
| Prerequisite: | C in EE 3220 and EE 4220 | | | <u> </u> | | Prerequisite: | C in EE 4820 concurrent in design | 1 courses | | | |
| EE 4820 | Senior Design I C in EE 2220, EE 2390, and C2; Co | angurrant | 2 in EE | C | | | EE or BE Elective (>4000) | | 3 | D | |
| Prerequisite: | 3311/3312 and 6 credits of 4000-l | | | .00 | | | | | | | |
| | Technical Elective | EVEL EE/. | 3 | D | | | EE or BE Elective (>4000) | | 3 | D | |
| | Temmen Elective | | , | ב | | | 22 31 22 Elective (* 4000) | | • | | |
| | EE or BE Elective (>4000) | | 3 | D | | | EE or BE Elective (>4000) | | 3 | D | |
| | USP: Human Culture | Н | 3 | D | | | EE or BE Elective (>4000) | | 3 | D | |
| | Total | | 14 | | | | Tota | .1 | 14 | | |
| | | | 14 | | | | 1012 | LI. | 14 | | |

- A minimum of 128 hours is required. A minimum of 42 hours must be upper division.
- Math/Science, Technical, and BE/EE Electives must be selected with advisor's approval from Department list. •Math courses used as a General Elective must be 2000 level or higher.
- Degree candidates must meet the academic requirements of the university, and must have a minimum GPA of 2.0 in all engineering courses.
- Students may not take a course for S/U credit to satisfy any requirement, unless the course is offered for S/U credit only.
- PHYS 1210 must be taken prior to or concurrently with ES 2120. While PHYS 1220 is not a prerequisite for ES 2210, it is recommended that PHYS 1220 is taken before or concurrently with ES 2210
- Grades of C or better are required for all courses that are prerequisites for courses within the students course of study and all required MATH courses.