

BS ELECTRICAL ENGINEERING

2020-2021 Academic Year

Program Admission:

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

Graduation:

- Complete 126 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 (14 hrs)	Spring (16 hrs)	Fall (16 hrs)	Spring (15 hrs)	Fall (18 hrs)	Spring (15 hrs)
MATH 1060 or higher ECE 1000* Introduction to Engineering 3 hr F,S	MAT 1010 or higher CS 1400* Fund. of Programming 3 hr F,S,Su	MATH 1050 or 1055 ECE 2700* Digital Design I 3 hr F,S	MATH 1220, ECE 1000 ECE 3750 Engineering Analysis 3 hr F,S	ECE 3750 ECE 3770 Signals and Systems 3 hr F,S	ECE 3770, ECE 3780 Comm. Systems & Circuits 3 hr S	ECE 3730 ECE 4900 EE Capstone I 3 hr F	ECE 4900 ECE 4950 EE Capstone II 3 hr S
		ECE 2705* Digital Design I Lab 1 hr F,S	MATH 1210 ECE 3710* Applied Prob. & Statistics 3 hr F,S,Su	ECE 2700, ECE 2250 ECE 3730 Embedded Systems I 3 hr F,S	ECE 3730 ECE 4730 Embedded Systems II 3 hr S	ECE 3760 ECE 4760 VLSI Design 3 hr F	See Catalog EE Elective 3 hr
MATH 1050, 1060 or 1065 MATH 1210* Calculus I 5 hr F,S,Su	MATH 1210 MATH 1220* Calculus II 5 hr F,S,Su		MATH 1220 MATH 2210* Calculus III 3 hr F,S,Su	ECE 2700 ECE 3740 Digital Design II 3 hr F,S	ECE 2250 ECE 3250 Energy Conversion 3 hr S	See Catalog EE Elective 3 hr	PHYS 2220, ECE 2250 ECE 3450 Electromag. & Trans. Lines 3 hr S
MATH 1050 CHEM 1210 Principles of Chemistry I 4 hr F,S,Su	MATH 1210 PHYS 2210* Physics I 4 hrs F,S,Su	PHYS 2225, MATH 1220 PHYS 2220* Physics II 4 hr F,S,Su	PHYS 2210, ECE 1000 ECE 2250* Circuit Theory 3 hr F,S	PHYS 2220, ECE 2250 ECE 3760 Electronic Systems 3 hr F,S	ECE 2250 ECE 3350 Control Systems 3 hr S	ECE 3740 ECE 4700 Computer Arch. 3 hr F,S	ECE 3710, ECE 3770 ECE 4750 Digital Signals Processing 3 hr F,S
CHEM 1215 Principles of Chemistry I Lab 1 hr F,S,Su	PHYS 2215* Physics I Lab 1 hr F,S,Su	PHYS 2225* Physics II Lab 1 hr F,S,Su	ECE 2255* Circuit Theory Lab 1 hr F,S	ECE 3765 Electronic Systems Lab 1 hr F,S			
Test or ENGH 1000 ENGL 1010 Introduction to Writing 3 hr F,S,Su	Test or ENGL 1010 ENGL 2010 Intermediate Writing 3 hr F,S,Su	GE Health Elective 2 hr	MATH 1060 ECE 2760 Semiconductor & Nanotech. 3 hr F,S	GE Fine Arts Elective 3 hr		GE American Institutions Elective 3 hr	
		GE Biology Elective 3 hr			COMM 1020 Public Speaking 3 hr F,S,Su	COMM 2110 Interpersonal Communication 3 hr F,S,Su	PHIL 2050 Ethics and Values 3 hr F,S,Su