

B.S. Computer Engineering

with Minor in Computer Science ** 2025-2026 Academic Year

O NIVERSIII,			2025-2026 A	cademic Year			
Year 1		Year 2		Year 3		Year 4	
Fall (15 hrs)	Spring (16 hrs)	Fall (16 hrs)	Spring (13 hrs)	Fall (15 hrs)	Spring (17 hrs)	Fall (16 hrs)	Spring (12 hrs)
ECE 1000 *	ECE 2700 *	ECE 2250 *	ECE 3740	ECE 3710	ECE 4730	ECE 4700	ECE 4800
Intro to Electrical and	Digital Design I	Circuit Theory	Digital Design II	Applied Prob. &	Embedded	Computer Architecture	CE Senior Design Projec
Computer Engineering 3 Credits. Offered F, Sp, Su	3 Credits. Offered F, Sp, Su	3 Credits. Offered F, Sp, Su	3 Credits. Offered F, Sp	statistics 3 Credits. Offered F, Sp, Su	Systems II 3 Credits. Offered Sp	3 Credits. Offered F	3 Credits. Offered F, Sp
Req: MATH 1060 or higher	Req: MATH 1210	Req: MATH 1210, PHYS 2220, ECE 1000	Req: ECE 2700	Req: MATH 1210	Req: ECE 3730, 3740	Req: ECE 3740	Req: ECE 4900
CS 1400 *	ECE 2705 *	ECE 2255 *	ECE 3760	ECE 3730	ECE 4750	ECE 4760	CE Elective II
Fundamentals of Programming	Digital Design I Lab	Circuit Theory Lab	Electronic Systems	Embedded Systems I	Digital Signal Processing	VLSI Design	Select any 3-credit course abov CS 3060 or ECE 4780 or (Any o
3 Credits. Offered F, Sp, Su	1 Credit. Offered F, Sp, Su	1 Credit. Offered F, Sp, Su	3 Credits. Offered F, Sp	3 Credits. Offered F, Sp	3 Credits. Offered F, Sp	3 Credits. Offered F	the courses defined for ECE Elective I if you have not taker
Req: MATH 1010 or higher	CoReq: ECE 2705	CoReq: ECE 2250	Req: PHYS 2220, ECE 2250	Req: ECE 2700, 2250	Req: ECE 3710, 3770	Req: ECE 3760	as ECE Elective I
MATH 1210 *	MATH 1220 *	ECE 2750	ECE 3765	ECE 3770	ECE 4755	ECE 4765	CS 3060
Calculus I	Calculus II	Engineering Analysis	Electronic Systems Lab	Signals and Systems	Digital Signal Processing Lab	VLSI Design Lab	Operating Systems Theory
4 Credits. Offered F, Sp, Su	4 Credits. Offered F, Sp, Su	3 Credits. Offered F, Sp	1 Credit. Offered F, Sp	3 Credits. Offered F, Sp	1 Credit. Offered F, Sp	1 Credit. Offered F	3 Credits. Offered F, Sp, Su
Req: MATH 1050, 1060, or 1065	Req: MATH 1210	Req: MATH 1210, PHYS 2220, ECE 1000	CoReq: ECE 3760	Req: ECE 2750		Req: ECE 3760 CoReq: ECE 4760	Req: ECE 2700, ECE 3730
PHYS 2210 *	PHYS 2220 *	CS 1410	CS 2370	CS 2300	CE Elective I		Social and Behavioral Sci.
Physics for Scientists	Physics for Scientists	Object Oriented	C++ Programming	Discrete Math	Select a 4 credits course from CS	Humanities Elective	(COMM 2110
and Engineers I	and Engineers II	Programming		Structures I	(above CS 3060) or ECE 4810R	(COMM 1020	Recommended)
4 Credits. Offered F, Sp, Su	4 Credits. Offered F, Sp, Su	3 Credits. Offered F, Sp, Su	3 Credits. Offered F, Sp	3 Credits. Offered F, Sp, Su	or ECE 3250 or ECE 3350 or	Recommended)	3 Credits. Offered F, Sp, Su
Req: MATH 1210 or PHYS 1100	Req: PHYS 2210 and MATH 1220	Req: CS 1400, MATH above 1050	Req: CS 1410	Req: MATH 1050, CS 1410	(ECE 3780 and ECE 3785)	3 Credits.	
PHYS 2215 *	PHYS 2225 *	American Institutions	Physical Science	CS 2420	ECE 4850		
Physics for Scientists	Physics for Scientists	Elective	Chem 1210 and 1215	Intro to Algorithms and	Machine Learning	Biology Elective	
and Engineers I Lab	and Engineers II Lab	Liective	recommended	Data Structures	Wideline Learning		
1 Credit. Offered F, Sp, Su	1 Credit. Offered F, Sp, Su	3 Credits.	3 Credits.	3 Credits. Offered F, Sp, Su	3 Credits. Offered Sp	3 Credits.	
CoReq: PHYS 2210	CoReq: PHYS 2220			Req: CS 1410	Req: CS 1400, (ECE 3710 or STAT 2050)		
	ENGL 1010	ENGL 2010					١
	Introduction to	Intermediate Academic			Personal, Professional,	Fine Arts Elective	
	Academic Writing	Writing			and Civic Growth		
	3 Credits. Offered F, Sp, Su	3 Credits. Offered F, Sp, Su			3 Credits. Offered F, Sp, Su	3 Credits.	
	Req: Test	Req: ACT Test or ENGL 1010					
Program Admission (Matriculation)		Graduation requirements				Minoring in CS	Color Key
Complete * foundation courses with C or higher		• Complete 120 hrs (40 of which are upper division CE) • Complete ≥10 hrs in ECE for the most recent 45 hrs				** Students may minor in	Matriculation Reqs: Green

- Submit Matriculation application to Dept.

- Complete ECE core and elective courses with C or higher Transfer credits <80 hrs total, and <20 hrs in ECE
- Residency (≥30 hrs at UVU and ≥12 hrs in CE)
- earned
- Complete one Global/Intercultural course and one WE course

CS if two elective courses from CS 3100 or above are General Ed: Grey

CE Core: Yellow