

Washington State University Vancouver School of Engineering and Computer Science
 Bachelor of Science in Electrical Engineering

Electrical Engineering Four-Year Plan

First Year		Sophomore		Junior		Senior	
Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
[QUAN] Calculus I Math 171 *	Calculus II Math 172 *	Linear Algebra Math 220 *	Differential Equations Math 315 *	Circuit Modeling & Analysis II ECE 321			[CAPS] Cap. Design II ECE 452 [M]
		Calculus III Math 273 *		Electronic Devices & Applications ECE 325	Signals and Systems ECE 341	Energy Systems ECE 411	Prof. Issues & Ethics in EE ECE 405 [M]
[PSCI] Principles of Chemistry Chem 105 *	[PSCI] Physics for Scientist & Engr. Physics 201 + 211 *	Physics for Scientist & Engr. Physics 202 + 212 *	Circuit Modeling & Analysis I ECE 260 *	ECE Elective 1	Electromagnetic Fields & Waves ECE 370	Cap. Design I ECE 451	ECE Elective 8
	C Programming for Engineers CS 251 *				ECE Elective 2	ECE Elective 5	
Intro. Elect. Engr. ECE 101		Design of Logic Circuits ECE 214 *	Microprocessor Systems ECE 234 *	Probability & Statistics Stat 360	ECE Elective 3	ECE Elective 6	ECE Elective 9
				[WRTG] Tech. Prof. Writing English 402	ECE Elective 4	ECE Elective 7	
UCORE [HUM] Humanities	UCORE [WRTG] English 101		UCORE [DIVR] Diversity	<i>Complete Writing Portfolio (No credit)</i>			
UCORE [ROOT] History 105		UCORE [BSCI] Biol. Science	UCORE [SSCI] EconS 101/102				UCORE [ARTS] Creat. & Prof. Arts
16	15	14	16	16	15	14	15

Credits

1
2
3

Students who are MATH 171 ready can be admitted to the major.

*** = Required with a full "C" or better to remain in the major. Also, to remain in the major, students must maintain 2.0 cumulative GPA and 2.0 upper-division ECE GPA**

ECE Electives: must be chosen from CS 330, 466, ECE 302, 316, 324, 327, 345, 349, 366, 414, 421, 424, 425, 461, 462, 466, 471, 476, 483, 495, 496, MECH 441, 467, 468, or be pre-approved by program coordinator.

Shaded courses are prerequisites to some courses in Junior or Senior year (see catalog descriptions)

For details on admission to the ECE major, see Catalog or contact an ENCS Academic Coordinator.