

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

Electrical Engineering Four-Year Plan

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

Credits
1
2
3

C = Req'd for certification & must be completed with a "C" grade or better. All upper-division ECE courses must be completed with a minimum 2.0 average GPA. Refer to WSU catalog for all "official" program requirements.

**At least one elective course from the following list must be taken:
ECE 302, ECE 366 and/or ECE 424.**

***Requires certification as an ECE major.**

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