

University of Washington Bothell Computer Engineering Curriculum

AY23/24

Name: _____

B Computer Engineering Core: 65 credits		
B EE: 25 credits		
B EE 215: Fundamentals of Electrical Engineering	5	
B EE 233: Circuit Theory	5	
B EE 235: Continuous Time Linear Systems	5	
B EE 271: Digital Circuits & Systems	5	
B EE 331: Devices & Circuits I	5	
CSS: 25 credits		
CSS342: Data Structures, Algorithms, & Discrete Math I	5	
CSS343: Data Structures, Algorithms, & Discrete Math II	5	
CSS360: Software Engineering	5	
CSS427: Intro to Embedded Systems	5	
CSS430: Operating Systems	5	
BEE or CSS: 5 credits		
BEE425 (Microprocessor System Design or CSS422 (Hardware & Computer Organization)	5	
Capstone Sequence: 10 credits		
B ENGR494: Engineering Desing & Innovation	3	
B CE 495: Capstone Project in Computer Engr I	3	
B CE 496: Capstone Project in Compuper Engr II	4	

B Comp E Electives: 10 credits		
300- or higher level CSS or B EE course	5	
400- or higher level CSS or B EE course	5	

Mathematics: 35 credits		
*STMATH 124: Calculus I	5	
*STMATH 125: Calculus II	5	
*STMATH 126: Calculus III	5	
STMATH 207: Intro to Differential Equations	5	
STMATH 208: Matrix Algebra w/ Applications	5	
STMATH 224: Multivariable Calculus	5	
STMATH 390: Probability & Statistics in Engineering	5	

Student# _____

Natural Science: 16 credits		
B CHEM 143/144: General Chemistry I w/ Lab	6	
*B PHYS 121: Mechanics	5	
*B PHYS 122: Electromagnetism & Oscillatory Motion	5	

Computer Programming: 10 credits		
*CSS 142: Computer Programming I	5	
*CSS 143: Computer Programming II	5	

Writing/Composition: 15 credits		
*B WRIT134: Composition	5	
Technical/Research Writing	5	
CSS 301: Technical Writing for Computing Professionals	5	

Arts & Humanities (A&H): 15 credits		
	5	
	5	
	5	

Social Science (SSc): 15 credits		
	5	
	5	
	5	

Diversity Course: 5 credits		
	5	

Free Electives to reach 180 credits required for degree		

B Comp E Policies

A minimum grade of 2.0 is required in each departmental requirement and prerequisite.

Students can take up to 15 EE credits elsewhere such as at UW Seattle with the department's approval.

BENGR494, BCE495, and BCE496 must be taken in consecutive quarters.

UW Policies

Residency - 45 out of the final 60 credits must be earned at your home campus.

Cross Campus Enrollment - after earning 15 credits at your home campus, students are able to take up to 15 credits a year at another UW campus.

Note

This is a guide only, please schedule quarterly appointments with your academic advisor.

Complete Graduation Application 2-3 quarters prior to graduation.

*Program Prerequisites