

Computer Science Sample Curriculum

	WashU Course	Fall	Spring
Home Institution (3-4 years)			
Calculus II, III	Math 132, 233	3	3
General Physics I, II	Physics 191, 192	3	3
General Physics Lab I, II	Physics 191L, 192L	1	1
Intro Computer Science, Computer Science elective	CSE 131, CSE XXX	3	3
English Composition	CWP 100	3	
Humanities and social science electives		6	9
Additional home institution degree requirements		varies	varies
90 units or more of transferable college credit	Subtotal	90+ to transfer	
First Year of Dual Degree Curriculum at WashU			
Numbers in bold denote courses typically offered in both fall and spring semesters			
Introduction to Computer Engineering	CSE 132	3	
Logic and Discrete Mathematics	CSE 240	3	
Algorithms and Data Structures	CSE 247	3	
Matrix Algebra	Math 309	3	
Probability and Statistics for Engineering	ESE 326	3	
CSE Technical Elective units *			6
Object-Oriented Software Development Lab	CSE 332S		3
Technical Writing	ENGR 310		3
Analysis of Algorithms	CSE 347		3
	Subtotal	15	15
Second Year of Dual Degree Curriculum at WashU			
CSE Technical Elective units*		9	9
Free elective		6	3
Engineering Professional Practice** or Free Elective	Engr 4501/4502/4503		3
	Subtotal	15	15
60 units or more must be taken at Washington Univ.	Total	60+ for WU degree	

***Computer Science Technical Elective Requirements:** In addition to the core courses, at least 24 additional units in computer science or computer science-related courses with an S, M, T or A suffix must be taken, of which at least one must be a systems (S) course and at least one must be a machine (M) or application (A) course. Students may use up to 6 units of approved independent work (CSE 400E, CSE 497-CSE 499) as part of their computer science electives. Such independent work can be classified as S, M, T or A, with approval.

**Engineering Professional Practice suggested to fulfill degree requirement if student did not complete a social science course at the 300-400 or junior/senior level at their home institution.

Master's degree candidates should consult with their faculty advisor regarding graduate courses taken third year.

Note some graduate courses may be necessary second year. 84 minimum WashU residency units are required for the Master's degree.