Washington University in St. Louis
JAMES MCKELVEY SCHOOL OF ENGINEERING

Dual Degree Engineering Program

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	
Object-Oriented Software Development Lab	**CSE 332S**		3
Analysis of Algorithms	**CSE 347**		3
CSE Technical Elective units *			6
Technical Writing	**ENGR 310**		3
	Subtotal	**15**	**15**
Second Year of Dual Degree Curriculum at WashU			
CSE Technical Elective units*		9	9
Free electives		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**	

*Candidates for the BSCS must complete at least 33 Core and Technical Elective units from approved WashU coursework. For additional information, please consult your WUacheive audit, your Engineering Student Services advisor, and your CSE faculty advisor.

**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.

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