



Chemical Engineering Sample Curriculum

	WU Course	Fall	Spring
Home Institution (34 years)			
Calculus I, II, III	Math 132, 233	3	3
Differential Equations	Math 217	3	
General Chemistry I, II	Chem 111A, 112A	3	3
General Chemistry Laboratory I, II	Chem 151, 152	2	2
General Physics I, II	Physics 191, 192	3	3
General Physics Lab I, II	Physics 191L, 192L	1	1
Organic Chemistry and Lab	Chem 31	4	
Strongly recommended (and can count as a Chemical Engineering Elective*): Physical Chemistry	Chem 401		3
Intro Computer Science (MATLAB experience helpful)	CSE 31		3
Principles of Biology (cellular, molecular & developmental bio)	Bio 2960		4
English Composition	CWP100	3	
Humanities and social science electives		9	6
Additional home institution degree requirements		varies	varies

*Of the 18 total required Chemical Engineering Electives units, 9 must be taken in EECE. The remaining 9 units are often transferred in from the home institution; upper division chemistry, mathematics and physics courses are often acceptable. This sample curriculum assumes that only 3 units are transferred in.

ME candidates may choose to earn both degrees after the third year, which allows for spreading out the coursework. Consult with EECE faculty advisor regarding modified undergraduate/graduate course sequence. 84 minimum WashU residency units are required for ME degree.