Dual Degree Engineering Program

Biomedical Engineering Sample Curriculum

	WashU Course	Fall	Spring
Home Institution (3-4 years)			
Calculus II, III	Math 132, 233	3	3
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 Biomedical Engineering	BME 140	3	
Biomechanics	**BME 240**	3	
Biomechanics Lab	**BME 240L**	1	
Bioengineering Thermodynamics	BME 320B	3	
Engineering Mathematics A	**ESE 318**	3	
Engineering Mathematics B	**ESE 319**	3	
Introduction to Biomedical Circuits	**BME 220**		4
Quantitative Physiology II	BME 301B		4
Physiological Control Systems	Bio 3058		2
Technical Writing	**ENGR 310**		3
Engineering Tier II Course from approved list			3
	Subtotal	**16**	**16**
Second Year of Dual Degree Curriculum at WashU			
Quantitative Physiology I	**BME 366**		3
Biomedical Engineering Design II	BME 401B		2
Engineering Professional Practice (consider ENGR 450F)	**ENGR 4501, 4502, 4503**		3
	Subtotal	**15**	**14**
60 units or more must be taken at Washington Univ.	**Total**	**60+ for WU degree**	

Master's degree candidates should consult with their faculty advisor regarding graduate courses taken third year. Note that some graduate courses may be necessary second year. 84 minimum WashU residency units are required for the Master's degree.

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