

Student Name _____ I.D.# _____ Registrar Signature: _____

GENERAL EDUCATION

T M

Engineering Dual Degree Program

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I. LITERACY (3 courses)			V. SCIENCE CORE (7 courses)		
A. INTD 101 University Seminar			CHEM 103 General Chemistry I (4)		
B. ENGL 101 Composition: Theme Writing			CHEM 104 General Chemistry II (4)		
C. ENGL 104 Composition: The Essay			BIOL 117 General Biology I (4)		
			BIOL 118 General Biology II (4)		
II and III. HUMANITIES and SOCIAL SCIENCES (8 courses; at least one course at 300-400 level)			PHYS 153 Calculus-Based Physics I (4)		
A. Fine Arts (1 course)			PHYS 154 Calculus-Based Physics II (4)		
Art, Music, Performance, Aesthetics			Computer Science—one course in a high-level programming language		
B. Literature/Language (1 course)					
ENGL or Foreign Language			Completion of a minor in one of the sciences (12-16 credits)		
C. Philosophy (1 course)			Completion of 96 credits at Maryville		
D. Humanities Electives (2 courses)			Completion of B.S. in Engineering Program at Washington University		
1. HUM 101/301 required or HIST 131/331					
2. One additional elective from ENGL, The Arts/Aesthetics, Foreign Language, HUM, PHIL, REL					
E. SOCIAL SCIENCE (3 courses)			Additionally, students must complete specific course requirements for application into one of the engineering programs at Washington University		
1. American History or Government			<i>For Biomedical Engineering</i>		
2. Electives (at least 2 disciplines)			BIOL 206 General Microbiology (4)		
ECON, HIST, PSCL, PSYC, SOC			CHEM 203 Organic Chemistry I (4)		
			CHEM 204 Organic Chemistry II (4)		
IV. MATHEMATICS (5 courses)					
MATH 151 Calculus I (4)			<i>For Chemical Engineering</i>		
MATH 152 Calculus II (4)			CHEM 203 Organic Chemistry I (4)		
MATH 251 Calculus III (4)			CHEM 204 Organic Chemistry II (4)		
MATH 316 Applied Linear Algebra			ENV 112 Environmental Science (3)		
MATH 320 Applied Differential Equations					
V. NATURAL SCIENCES/QUANTITATIVE REASONING					
(2 courses) Requirements met through the major			<i>For Computer Science & Computer Engineering</i>		
VI. GENERAL EDUCATION ELECTIVES			Additional computer programming courses selected with advisor,		
(2 courses selected from the disciplines within the College of Arts and Sciences			including a second programming language		

96 Cr. Hrs. _____ Last 30 hr. residency

UNOFFICIAL GRADUATION CHECK: When you have reached Senior Status, check with the Registrar's Office to make sure that this sheet agrees with permanent file.

See Engineering Dual Degree program director for assistance in course selection during each of the semester advising. For various fields of engineering sciences, the preparation and the requirement of courses vary.