

CHEMICAL ENGINEERING CURRICULUM (International Option)

(for students entering UW Fall 2011 or later)

	FALL	Grade		SPRING	Grade
FRESHMAN YEAR					
ES	1000 Orientation to Engr (I, L, O)	1 _____	MATH	2205 Calculus II	4 _____
MATH	2200 Calculus I (QB)	4 _____	CHEM	1060 Adv Gen Chemistry II (SP)	4 _____
CHEM	1050 Adv Gen Chemistry I (SP)	4 _____	PHYS	1210 Engr Physics I* (SP)	4 _____
ES	1060 Intro Eng Problem Solving	3 _____	LANG	1020 Foreign Language II	4 _____
LANG	1010 Foreign Language I	4 _____			
PEAC	1001 Phys Act & Your Health (P)	1 _____			
		<u>17</u>			<u>16</u>

SOPHOMORE YEAR					
CHE	2005 Chem Process Analysis	3 _____	MATH	2310 Applied Differential Eqns I	3 _____
MATH	2210 Calculus III	4 _____	CHE	2060 Intro CHE Computing	3 _____
PHYS	1220 Engr Physics II (SP)	4 _____	ES	2310 Thermodynamics I	3 _____
LANG	2030 Foreign Language III	4 _____	ES	2330 Fluid Dynamics	3 _____
	US & Wyo Const (V)	3 _____	LANG	2040 Foreign Language IV	3 _____
		<u>18</u>			<u>15</u>

STUDY ABROAD and/or INTERNATIONAL INTERNSHIP SEMESTER(S)

Coursework taken during the study abroad semester(s) will be determined with the student's advisor on an individual basis based on availability, timing, and remaining course load.

JUNIOR YEAR					
CHE	3015 Multicomponent Thermo	3 _____	CHE	3030 Unit Operations	3 _____
CHE	3025 Transport Phenomena	3 _____	CHE	3070 Process Simul & Econ	3 _____
CHEM	2420 Organic Chemistry I	4 _____	CHE	4060 Reaction Engineering	3 _____
CHEM	4507 Physical Chemistry I	3 _____	CHEM	2440 Organic Chemistry II	4 _____
ENGL	1010 Coll Comp & Rhet (WA)	3 _____		Technical Elective**	3 _____
		<u>16</u>			<u>16</u>

SENIOR YEAR					
CHE	3040 Unit Ops Lab I (WB)	3 _____	CHE	4050 Unit Ops Lab II (O)	3 _____
CHE	4070 Process Design I	3 _____	CHE	4080 Process Design II (WC, O)	5 _____
CHE	4090 Process Dyn & Control	3 _____	LIFE	1010 General Biology I (SB)	4 _____
	Technical Elective**	3 _____		Technical Elective**	3 _____
	Technical Elective**	3 _____		Technical Elective**	1 _____
		<u>15</u>			<u>16</u>

Total Hours: 129

* The ES 2110/2120 sequence can be substituted for PHYS 1210

** Five technical electives are required. These electives require advisor approval. At least one elective must be CHE course).