

Checklist for B.S. Degree in Chemistry with Chemical Engineering Option (Track Two)

Core Science Courses (79-81 Credits Required)					University Baccalaureate Core ^b (37-38 Credits Required)		
Chemistry					Skills (12 Credits)		
CH 231 (or 231H) & 271	(5 Credits)	CH 324 or CH 421, 422 & 461 ^c	(4-9 Credits)		WR 121	(3 Credits)	
CH 232 (or 232H) & 272	(5 Credits)	CH 362	(3 Credits)		Writing II	(3 Credits)	
CH 233 (or 233H) & 273	(5 Credits)	CH 411	(3 Credits)		Speech	(3 Credits)	
CH 334	(3 Credits)	CH 412	(3 Credits)		HHS plus PAC or HHS Lab	(2 Credits + 1 Credits)	
CH 335	(3 Credits)	CH 440	(3 Credits)				
CH 336	(3 Credits)	CH 441	(3 Credits)		Perspectives (12 Credits)		
CH 361	(4 Credits)	CH 442	(3 Credits)		Western Culture	(3 Credits)	
		CH 462 ^a	(3 Credits)		Cultural Diversity	(3 Credits)	
					Social Processes and Institutions ^f	PSY 202 (4)	
					Literature and Arts	(3 Credits)	
Mathematics		Physics					
MTH 251	(4 Credits)	PH 211/221	(5 Credits)		Difference, Power & Discrimination (3 Credits)		
MTH 252	(4 Credits)	PH 212/222	(5 Credits)				
MTH 254	(4 Credits)	PH 213/223	(5 Credits)		Synthesis (6 Credits)		
Chemical Engineering Option Courses (30-33 Credits Required) ^e					Contemporary Global Issues		(3 Credits)
Chemical Engineering			CHE Electives (9-12):		Science, Technology & Society		(3 Credits)
CBEE 211	(3 Credits)	<i>Select three courses from:</i>			Biological Science (BI 212 recmd) (4 or 5 Credits)		
CBEE 212	(3 Credits)	CBEE 213	CHE 461				
CHE 311	(3 Credits)	CHE 312	CHE 401				
CHE 331	(4 Credits)	CHE 361	CH 401				
CHE 332	(4 Credits)	CHE 411	ENGR 321				
Math:			CHE 443		Other Requirements:		
MTH 256	(4 Credits)	CHE 445			180 Credits for Graduation	Last 45 credits (or 45 of last 75) completed at OSU	
					60 Upper Division Credits	Foreign Language ^d	

Footnotes

^a Meets WIC Requirement. It is strongly recommended that CH 422 be taken as a co-requisite with CH 462.

^c The combination of CH 421, 422 and 461 is recommended for the strongest background in analytical chemistry. With this option, only one inorganic chemistry course (CH 411) is required. This combination increases the total credits of the degree by 2 additional credit hours.

^e Students will need to contact the College of Engineering (head adviser) to obtain approval to enroll in ENGR 300 level courses which are normally restricted to engineering students. Students should first complete math through MTH 256, the physics sequence through PH 212, and CHE 211 & 212. Note: Starting Spring 2014, all pre-requisite courses to ENGR, CBEE, or CHE courses require a C or better grade.

^b Courses from approved list. For Perspectives, no more than two courses from one department. For Synthesis, courses must be from different departments. Transfers from Oregon Community Colleges with an AA degree have fulfilled the skills and perspective requirements.

^d Two years of one foreign language in high school. Requirement can also be met by taking two terms of a college-level language (C- or higher) or an approved proficiency test (For students entering in Fall 1997 or later.)