

Side-by-Side Comparison of Chemistry Major & Biochemistry Major Tracks (AY 21/22)

CHM ACS	CHM	CHM HT	CHM BUS	CHM BS/EDU MS	BCH ACS	BCH
Cognate Courses						
BIO111 + L	BIO111 + L	BIO111 + L	BIO111 + L	BIO111 + L	BIO111 + L	BIO111 + L
		BIO112 + L	BIO112 + L	BIO112 + L	BIO112 + L	BIO112 + L
MAT111	MAT111	MAT111	MAT111	MAT111	MAT111	MAT111
MAT112	MAT112/141	MAT112/141	MAT112/141	MAT141	MAT112	MAT112/141
PHY223 + L	PHY201 + L	PHY201 + L	PHY201 + L	PHY201 + L	PHY223 + L	PHY201 + L
PHY224 + L	PHY202 + L	PHY202 + L	PHY202 + L	PHY202 + L	PHY224 + L	PHY202 + L
Introductory Chemistry						
CHM111 + L	CHM111 + L	CHM111 + L	CHM111 + L	CHM111 + L	CHM111 + L	CHM111 + L
CHM112 + L	CHM112 + L	CHM112 + L	CHM112 + L	CHM112 + L	CHM112 + L	CHM112 + L
Fundamental Courses						
Organic I CHM227 + L	CHM227 + L	CHM227 + L	CHM227 + L	CHM227 + L	CHM227 + L	CHM227 + L
Organic II CHM228 + L	CHM228 + L	CHM228 + L	CHM228 + L	CHM228 + L	CHM228 + L	CHM228 + L
Analytical CHM230 + L	CHM230 + L	CHM230 + L		CHM230 + L	CHM230 + L	
Inorganic CHM244	CHM244	CHM244		CHM244	CHM244	CHM244
Fundamental Physical CHM301 + L	CHM301 + L	CHM301 (No L)	CHM301 (No L)	CHM301 (No L)	CHM301 + L	CHM301 (No L)
Intro to Bch BCH301 (No L)	BCH301 (No L)	BCH301 (No L)	BCH301 + L	BCH301 + L	BCH301 + L	BCH301 + L
In-depth Courses						
Modern Physical CHM302 + L					CHM302 + L	
		Cellular Bch BCH302			BCH302	BCH302
Spectroscopy CHM334 + L	CHM334 + L		(CHM230 or 232 or 334 or 430) + L		(CHM334 or 430) + L	(CHM334 or 430) + L
Instrumental CHM430 + L	CHM430 + L					
					Mol. Bio BIO450 + L	Mol. Bio BIO450 + L
Materials CHM420 + L					Materials CHM420	
CE or BCE	CE or BCE	CE or BCE + L	CE or BCE	CE or BCE		CE or BCE or BE
CE or BCE	CE or BCE	SE + L				BCE or BE2
	CE or BCE	SE				
CHM 381,480,481	CHM 381,480,481	CHM 381,480,481	CHM 381,480	CHM 381,480	CHM 381,480,481	CHM 381,480,481
			Five Business Courses ¹	Eight Ed Courses ³		
			Two Major Electives ²			
Classes in Major and Laboratories						
20, 13L, 75 CR	19, 11L, 70 CR	19, 11L, 70 CR	22, 10L, 77 CR	24, 10L, 77 CR	20, 14L, 76 CR	19, 11L, 70 CR

CE = Chemistry Elective (CHM >300)

CE + L = Chemistry Elective + Lab

BCE = Biochemistry Elective (BCH > 300)

SE + L = Science Elective + Lab

SE = Science Elective; a 300 or 400 level course in CHM, BCH, BIO, PHY, or CSC111

BE = Biology Elective (BIO > 300)

BE2 = BIO 408, 414, 419, 430, 440, or 444

¹Five business courses: ECO101, MGT101, MKT201, ACC201, FIN201

²Major Electives: two courses in business, law or science; SE, MGT≥300, MKT≥300, ACC202, ECO102 or ECO≥200, IBUS301, PSC320 or 321

³EDS101, EDU 250, EDS 223, EDS 360, EDS 405, SPE 341, SPE 311, EDU 356