

FAR EASTERN UNIVERSITY
BACHELOR OF SCIENCE IN CHEMISTRY
 Effective School Year 2024 - 2025

FIRST YEAR				
First Semester				
Course Code	Course Title	Lec	Lab	Prerequisites
CHM1001	Mathematical Analysis 1	3		
CHM1101	Principles of Chemistry Lecture	3		
CHM1102	Principles of Chemistry Laboratory		2	
GED0103	Mathematics in the Modern World	3		
GED0104	Science, Technology, and Society	3		
GED0121	Language Enhancement and Proficiency (LEAP)	3		
GED0123	Philippine Popular Culture and Discourses	3		
PFT0101	Physical Activities Towards Health and Fitness 1	2		
NST0101	National Service Training Program 1	3		
FLJ0101	FEU Learning Journey 1	0		
HMR0101	Homeroom 1	0		
	Sub-total units	23	2	
	Total units	25		
Second Semester				
Course Code	Course Title	Lec	Lab	Prerequisites
CHM1003	Classical Physics 1 Lecture	3		
CHM1004	Classical Physics 1 Laboratory		1	
CHM1002	Mathematical Analysis 2	3		CHM1001
CHM1103	Organic Chemistry 1 Lecture	3		CHM1101, CHM1102
CHM1104	Organic Chemistry 1 Laboratory		2	CHM1101, CHM1102
GED0106	Art Appreciation	3		
GED0107	Readings in Philippine History	3		
GED0110	Understanding the Self	3		
PFT0102	Physical Activities Towards Health and Fitness 2	2		PFT0101
NST0102	National Service Training Program 2	3		NST0101
FLJ0102	FEU Learning Journey 2	0		FLJ0101
HMR0102	Homeroom 2	0		HMR0101
	Sub-total units	23	3	
	Total units	26		
SECOND YEAR				
First Semester				
Course Code	Course Title	Lec	Lab	Prerequisites
CHM1005	Classical Physics 2 Lecture	3		CHM1003, CHM 1004
CHM1006	Classical Physics 2 Laboratory		1	CHM1003, CHM 1004
CHM1201	Organic Chemistry 2 Lecture	3		CHM1103, CHM1104
CHM1202	Organic Chemistry 2 Laboratory		2	CHM1103, CHM1104
CHM1105	Analytical Chemistry 1 Lecture	3		CHM1101, CHM1102
CHM1106	Analytical Chemistry 1 Laboratory		2	CHM1101, CHM1102

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GED0117	Culture, Society, Ideas, and Innovations	3		
GED0124	Purposive Communication	3		
PFT0103	Physical Activities Towards Health and Fitness 3	2		PFT0102
FLJ0103	FEU Learning Journey 3	0		FLJ0102
HMR0103	Homeroom 3	0		HMR0102
	Sub-total units	17	5	
	Total units	22		
Second Semester				
Course Code	Course Title	Lec	Lab	Prerequisites
CHM1203	Analytical Chemistry 2 Lecture	3		CHM1103, CHM1104, CHM1105, CHM1106
CHM1204	Analytical Chemistry 2 Laboratory		2	CHM1103, CHM1104, CHM1105, CHM1106
CHM1107	Physical Chemistry 1 Lecture	2		CHM1002, CHM1105, CHM1106
CHM1108	Physical Chemistry 1 Laboratory		2	CHM1002, CHM1105, CHM1106
CHM1109	Inorganic Chemistry 1 Lecture	2		CHM1101, CHM1102
CHM1110	Inorganic Chemistry 1 Laboratory		1	CHM1101, CHM1102
GED0114	Applied Ethics in Contemporary Times	3		
GED0116	Retorika	3		
PFT0104	Physical Activities Towards Health and Fitness 4	2		PFT0103
FLJ0104	FEU Learning Journey 4	0		FLJ0103
HMR0104	Homeroom 4	0		HMR0103
	Sub-total units	15	5	
	Total units	20		
Midyear Term				
Course Code	Course Title	Lec	Lab	Prerequisites
GED0113	The Filipino in the Contemporary World	3		
GED0122	The Life and Works of Rizal	3		
	Sub-total units	6	0	
	Total Units	6		
THIRD YEAR				
First Semester				
Course Code	Course Title	Lec	Lab	Prerequisites
CHM1301	Analytical Chemistry 3 Lecture	2		CHM1203, CHM1204
CHM1302	Analytical Chemistry 3 Laboratory		2	CHM1203, CHM1204
CHM1205	Physical Chemistry 2 Lecture	2		CHM1107, CHM1108
CHM1206	Physical Chemistry 2 Laboratory		2	CHM1107, CHM1108
CHM1207	Biochemistry 1 Lecture	3		CHM1201, CHM1202, CHM1203, CHM1204
CHM1208	Biochemistry 1 Laboratory		2	CHM1201, CHM1202, CHM1203, CHM1204
CHEL01	Chemistry Elective 1	3		
FLJ0105	FEU Learning Journey 5	0		FLJ0104
HMR0105	Homeroom 5	0		HMR0104
	Sub-total units	10	6	
	Total units	16		
Second Semester				
Course Code	Course Title	Lec	Lab	Prerequisites
CHM1303	Physical Chemistry 3	3		CHM1205, CHM1206, CHM1002, CHM1005, CHM1006
CHM1304	Biochemistry 2 Lecture	2		CHM1207, CHM1208

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CHM1305	Biochemistry 2 Laboratory		1	CHM1207, CHM1208
CHM1209	Inorganic Chemistry 2 Lecture	2		CHM1109, CHM1110
CHM1210	Inorganic Chemistry 2 Laboratory		1	CHM1109, CHM1110
CHM1501	Advanced Organic Chemistry		2	CHM1201, CM1202
CHM1506	Fundamentals of Chemistry Research	1		
CHEL02	Chemistry Elective 2	3		
FLJ0106	FEU Learning Journey 6	0		FLJ0105
HMR0106	Homeroom 6	0		HMR0105
	Sub-total units	11	4	
	Total units	15		

Midyear Term

Course Code	Course Title	Lec	Lab	Prerequisites
CHM1505	Professional Engagement	3		CHM1301, CHM1302, CHM1303, CHM1304, CHM1305
	Sub-total units	3	0	
	Total units	3		

FOURTH YEAR

First Semester

Course Code	Course Title	Lec	Lab	Prerequisites
CHM1502	Chemistry Undergraduate Seminar		1	CHM1301, CHM1302, CHM1303, CHM1304, CHM1305
CHM1503	Chemistry Correlation Course 1	3		CHM1301, CHM1302, CHM1303, CHM1304, CHM1305
CHM1507	Chemistry Thesis 1		1	CHM1506
FLJ0107	FEU Learning Journey 7	0		FLJ0106
HMR0107	Homeroom 7	0		HMR0106
	Sub-total units	3	2	
	Total units	5		

Second Semester

Course Code	Course Title	Lec	Lab	Prerequisites
CHM1504	Chemistry Correlation Course 2	3		CHM1503
CHM1508	Chemistry Thesis 2		2	CHM1507
FLJ0108	FEU Learning Journey 8	0		FLJ0107
HMR0108	Homeroom 8	0		HMR0107
	Sub-total units	3	2	
	Total units	5		

Grand Total Units

143

List of Electives

CHM1401	Biotechnology	2	1
CHM1402	Chemical Education	3	
CHM1403	Chemical Toxicology	2	1
CHM1404	Computational Chemistry	2	1
CHM1405	Environmental Chemistry	2	1
CHM1406	Food Chemistry	2	1
CHM1407	Materials Chemistry	2	1
CHM1408	Nanotechnology	2	1
CHM1409	Nuclear Science	3	0
CHM1410	Polymer Chemistry	2	1