

Degree and Study Plan

College	Applied and Health Sciences
Department	Basic and Applied Sciences
Program	Industrial Chemistry
Degree Level	Diploma
Total Credit Hours	63
Cohort	

Summary of Credits	
University Requirements (UR)	15
University Electives (UE)	-
College Requirements (CR)	21
Program Requirements (PR)	29
Program Electives (PE)	3
Total	68

For more information contact:

HoD: Dr. Rayya Al-Balushi

Dean:

Date:

Year One	Semester 1 (Fall)				
	Course Code	Course Title	Credits	Pre-Request/ Co-Request	Category
	ENGL101	English Comm. Skills I	3	Null	UR
	CHEM101	Chemistry I	3	Co: CHEM181	CR
	CHEM181	Chemistry I Lab	1	Co: CHEM101	CR
	BIOL101	Biology I	3	Co: BIOL181	CR
	BIOL181	Biology I Lab	1	Co: BIOL101	CR
	MATH101	Calculus I	3	Null	CR
	CHEM110	Green Chemistry	3	Null	PR
	Total Credits		17		
Year One	Semester 2 (Spring)				
	Course Code	Course Title	Credits	Pre-Request/ Co-Request*	Category
	CHEM102	Chemistry II	3	Pre: CHEM101, CHEM181 Co: CHEM182	PR
	CHEM182	Chemistry II Lab	1	Pre-: CHEM101, CHEM181 Co: CHEM102	PR
	MATH102	Calculus II	3	Pre: MATH101	CR
	ENGL102	English Comm. Skills II	3	Pre: ENGL101	UR
	ISLM101	Islamic Civilization	3	Null	UR
	PHYS101	Physics I	3	Co: PHYS181	CR
	PHYS181	Physics I Lab	1	Co: PHYS101	CR
	Total Credits		17		

Year Two	Semester 3 (Fall)				
	Course Code	Course Title	Credits	Pre-Request/ Co-Request	Category
	CHEM201	Organic Chemistry I	3	Pre: CHEM101, CHEM181 Co: CHEM281	PR
	CHEM281	Organic Chemistry I Lab	1	Pre: CHEM181 Co: CHEM201	PR
	CHEM211	Inorganic Chemistry I	3	Pre: CHEM102	PR
		Elective 1	3		PE
	MNGT313	Entrepreneurship	3	30 CH	UR
	STAT201	Statistics	3	Pre: MATH101	CR
	Total Credits		16		
	Year Two	Semester 4 (Spring)			
Course Code		Course Title	Credits	Pre-Request/ Co-Request	Category
CHEM212		Analytical chemistry I	3	Pre: CHEM102 Co: CHEM292	PR
CHEM292		Analytical chemistry I Lab	1	Pre: CHEM182 Co: CHEM212	PR
CHEM216		Polymer Chemistry	3	Pre: CHEM201 Co: CHEM296	PR
CHEM296		Polymer Chemistry Lab	1	Pre: CHEM281 Co: CHEM216	PR

	CHEM214	Industrial Chemistry	3	Pre: CHEM102, CHEM201, CHEM211 Co: CHEM294	PR
	CHEM294	Industrial Chemistry Lab	1	Pre: CHEM182, CHEM281, CHEM211 Co: CHEM214	PR
	CHEM210	Environmental Chemistry	3	Pre: CHEM102, CHEM201, CHEM110	PR
	ARAB101	Arabic	3	Null	UR
	Total Credits		18		

List of Program Elective Courses:

A student must register in 3 courses with total of 9 credits hours following the program study plan:			
Course Code	Course Title	Credits	Pre-Request/ Co-Request
CHEM206	Chemical Process Economics And Sustainable	3	Pre: CHEM201, CHEM281
CHEM215	Food Chemistry and Analysis	3	Pre: CHEM201, CHEM281
PHYS221	Mechanics and thermodynamics	3	Pre: PHYS101, PHYS181
MATH203	Differential Equations	3	Pre: MATH102