

Department of Chemical Engineering Government College University Faisalabad



SCHEME OF STUDIES (2018-2022) (Proposed) B.SC CHEMICAL ENGINEERING TECHNOLOGY

1st Semester

Sr. No.	Course No.	Subject	Credit Hrs.
01	ACH-321	Applied Chemistry	3(2-1)
02	ENG-321	Functional English	3(3-0)
03	CSI-321	Introduction To Computer Applications	3(2-1)
04	MTH-321	Mathematics-I	3(3-0)
05	PHY-301	Mechanics	3(2-1)
06	MET-301	Technical Drawing	3(2-1)
Total			18

2nd Semester

Sr. No.	Course No.	Subject	Credit Hrs.
01	ELT-431	Electrical Technology	3(2-1)
02	CHT-302	Industrial Materials	3(3-0)
03	ISL-321	Islamic Studies/Ethics	2(2-0)
04	MTH-322	Mathematics-II	3(3-0)
05	PST-321	Pakistan Studies	2(2-0)
06	MET-304	Workshop Practice	2(2-0)
Total			15

3rd Semester

Sr. No.	Course No.	Subject	Credit Hrs.
01	CHT-407	Basic Process Calculation- I	3(3-0)
02	CHT-405	Basic Thermodynamics	3(2-1)
03	CHT-403	Chemical Process Industries-I	3(3-0)
04	CHT-409	Mechanical Separation Operations	3(3-0)

05	CHT-401	Particle Technology	3(2-1)
Total			15

4th Semester

Sr. No.	Course No.	Subject	Credit Hrs.
01	CHT-406	Basic Process Calculations-II	3(3-0)
02	CHT-404	Chemical Process Industries-II	3(3-0)
03	CHT-402	Fluid Flow Operations	3(2-1)
04	FST-301	Introduction to Food Science and Technology	3(3-0)
05	CHT-410	Petroleum and Petrochemical Technology	3(3-0)
06	CHT-408	Renewable Energy Technology	3(3-0)
Total			18

5th Semester

Sr. No.	Course No.	Subject	Credit Hrs.
01	CHT-509	Engineering Management	3(3-0)
02	CHT-503	Heat Transfer Operations	3(2-1)
03	CHT-507	Industrial Instrumentation	3(2-1)
04	CHT-501	Mass Transfer Operations	3(2-1)
05	CHT-505	Safety, Health and Environment	3(3-0)
Total			15

6th Semester

Sr. No.	Course No.	Subject	Credit Hrs.
01	CHT-502	Chemical Reactor Technology	3(3-0)
02	CHT-504	Chemical Process Control	3(2-1)
03	CHT-510	Chemical Process Design and Simulation	3(2-1)
04	CHT-512	Chemical Process Economics	3(3-0)
05	CHT-508	Equipment Maintenance	3(3-0)
06	CHT-506	Process Plant Utilities	2(2-0)
Total			17

7th Semester

Sr. No.	Course No.	Subject	Credit Hrs.
01	CHT-601	Project- I	3(0-3)
02	CHT-603	Industrial Training-I*	16(0-16)
Total			19

8th Semester

Sr. No.	Course No.	Subject	Credit Hrs.
01	CHT-602	Project-II	3(0-3)
02	CHT-604	Industrial Training-II*	16(0-16)
Total			19 19

^The industrial training performance assessment will be based on

- 1- On the job trainer Report (20%)
- 2- Training advisor report through visit or survey (10%)
- 3- Industrial Training Report (50%)
- 4- Viva Voce (20%)

Total credit hours=136

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