

Curriculum:

Semester 1: 8 Courses

Principles of organic chemistry (1)	Chem131
Principles of inorganic chemistry	Chem121
Computer Sciences	R101
Mathematics	R111
Practical Physical and Inorganic Chemistry	Chem1142
Prospecting of Petroleum	Pet 191
Principles of physical chemistry	Chem141
Physics and Material properties	Ph101

Semester 2: 6 Courses

Inorganic chemistry	chem122
Principles of organic chemistry (2)	chem132
Mathematics (2)	R112
Renewable energy resources	Phy101
Electricity and photophysics	Phy102
Petroleum Upstream	Pet192
Language	L102

Semester 3: 9 Courses

Principles of analytical chemistry	Chem211
Chemistry of transition elements	Chem221
Natural Products and heterocyclic	Chem231
Physical organic chemistry	Chem232
Stereochemistry and carbohydrates	Chem233
Thermodynamics	Chem241
Practical analytical chemistry	Chem2212
Introduction in crude oil	Pet291
Biochemistry	BChem271

Semester 4: 9 Courses

Co-ordination Chemistry	Chem222
Photo and organometallic chemistry	Chem234
Petroleum Refinery (1)	Pet292
Principles of spectroscopy	Chem242
Kinetics and solid chemistry	Chem243
Separation methods	Chem212
Marketing	M202
Practical Organic Chemistry	Chem2235
Practical Inorganic chemistry	Chem2223

Semester 5: 8 Courses

Natural Gas	Pet391
Petroleum Refinery (2)	Pet392
Petrochemicals (1)	Pet393
Polymer Chemistry	Chem331
Surface and Colloid Chemistry	Chem341
Electrochemical Chemistry	Chem342
Practical physical chemistry	Chem3343
Green Chemistry	E351

Semester 6: 8 Courses

Basic refinery products	Pet394
Petrochemicals (2)	Pet395
Petrochemicals Industry (1)	Pet396
Spectroscopy Application	Chem332
Catalysis	Chem344
Principles of Corrosion	Chem345
Environmental Studies	Pet361
Practical physical chemistry	chem3343

Semester 7: 8 Courses

Petrochemical Industry (2)	Pet491
Petrochemical Industry (3)	Pet492
Economics of petrochemicals	Pet493
Petrochemical Industry (4)	Pet494
Practical Petroleum chemistry	Pet4495
Practical Polymer chemistry	Pet4496
Pharmaceutical chemistry	Pet451
Project Research	Pet490

Semester 8: 9 Courses

Petrochemical Industry (5)	Pet496
Petrochemical Industry (6)	Pet498
Petrochemical Industry (7)	Pet499
Petrochemical Industry (8)	Pet4910
Petrochemical Industry (9)	Pet4911
Petrochemical Industry (10)	Pet4912
Nanotechnology	Chem441
Mineral Resources	E452
Practical Petroleum chemistry (3)	Pet44913