ICAL AND PETROLEUM ENGINEERING

HEMICAL ENGINEERING - UNDERGRADUATE CURRICULUM GUIDE

BAU

Year 1			Year 2			Year3			Year 4	
Sem 1 15 credits	Sem 2 17 credits	Summer 1 7 credits	Sem 3 16 credits	Sem 4 18 credits	Summer 2 6credits	Sem 5 17 credits	Sem6 18 credits	Summer3 1 credit	Sem 7 18 credits	Sem 8 17 credits

MATH 281 | 3c — Linear Algebra

MATH282 | 3cr — Calculus

MATH 283 | 3cr — Diff. Equations

MATH 284 | 3cr — Num. Analysis & Techniques

MATH 381 | 3cr — Prob. & Statistics — Grade:

CHME | 3cr — Transportation of Hydrocarbons — Grade:

ENGR 001 | 1 — Eng. Ethics — Grade:

PHYS 280 | 3c — Classical Physics

PHY 281 | 3cr — ELECTRICITY & MAGNETISM

Elective | 2cr

MCHE 331 | 3cr — Fluid Mechanics 1

MCHE 338 | 3cr — Pumps and Piping systems

Elective | 1cr

MCHE 421 | 3cr — Heat Transfer

Tech. Elec | 3cr

CHME499 — Internship

CHME | 2cr — Biochemistry

CHME 402 | 3 — Unit Operations

COMP 208 | 3c — Programming I

CHME 202 | 3cr — Intr. to chemical Eng

BLAW 001 | 1cr — Human Rights

MCHE 225 | 3cr — Thermo for Chem. Eng

MCHE 226 | 3cr — Applied Thermo for Chem.Eng.

CHME 302 | 3cr — Chem React. Eng

CHME 405 | 3cr — Reactor Design

Tech. | 3cr

CHME 517 | 2 — Legislations for Chemical

CVLE 210 | 3c — Statics

MCHE 213 | 3cr — Dynamics

CHEM 331 | 3cr — Organic Chemistry

CHEM 345 | 3cr — In-Organic Chemistry 1

CHME 305 | 3cr — Catalysis and Catalytic

CHME | 3cr — Chem Proc Design

CHME 515 | 2 — Instrumental Analysis

MCHE 201 | 3c — Eng. Drawing and Graphics

CHEM 281 | 3cr — Principles of Chemistry I

ARAB001 | 2cr — Arabic Language

CHEM 282 | 3cr — Principles of Chemistry 2

CHEM 248 | 3cr — Physical Chemistry 1

WRNL200 | 3cr — Work Ready Now

Tech. Elec | 3cr

CHME 350 | 3cr — Process Simulation

CHME | 3cr — Colloids and Interfaces

Tech. | 3

CHME | 3cr — Polymer Engineering

C

CHEM 282L | 1cr — Principles of Chemistry 2 Lab

CHME 204 | 3cr — Mass Transfer Operations

CHME 301 | 3cr — Separation Processes

CHME 403 | 3cr — Process Control

CHME | 3 — Process Optimizatio

ENGL001 | 2cr — English Language

ENGL 211 | 2cr — Advanced Writing

ENGL 300 | 2cr — Speech Communication

ENGR 500 | 2cr — Research Methodology

INME221 | 3c — Engineering Economy

CHME | 1cr — FYP 1

CHME | 3 — FYP 2

University Requirements (16 crs)

General Engineering Courses (17 crs)

Courses from outside the program (6 crs)

Internship and FYP (5 crs)

Basic Science/Math (37 crs)

Major Engineering Courses (57 crs)

Technical Elective courses (12 crs)