Diploma in Chemical Engineering		
Eligibility	S.S.C with Work Experience	
Duration	1 - 3 Year	
Fees	27,500.00	
Syllabus	SEM – I	
	 Applied Mathematics – I 	
	2. English Communication	
	3. Basic Electrical & Electronics Engineering	
	4. Inorganic Chemistry	
	Applied Chemistry – I	
	SEM – II	
	1. Communication Skills	
	2. Engineering Mechanics	
	3. Engineering Drawing	
	4. Fundamentals of Chemical Engineering	
	5. Engineering Mathematics	
	SEM – III	
	Applied Mathematics – II	
	2. Industrial Chemistry	
	3. Mechanical Operation	
	Chemical Process Technology – I	
	5. Stoichiometry	
	SEM IV	
	Physical Chemistry & Materials of Construction	
	2. Electrical & Electronics	
	3. Plant Utility	
	4. Fluid Flow Operation	
	5. Chemical Process Technology – II	
	SEM - V	
	Plant Safety & Maintenance	
	2. Energy Management	

 Heat Transfer Operation Chemical Process Instrumentation & Control Chemical Reaction Engineering
SEM - VI
 Environmental Technology Chemical Engineering Drawing Mass Transfer Operation Petro Chemical Engineering Alcohol Technology

Bachelors Program in Chemical Engineering		
Eligibility	3 Years Diploma or HSC with 3 years Work Experience	
Duration	1 - 4 Year	
Fees	37,500.00	
Syllabus	SEM – I 1. Calculus 2. Physics 3. Mechanics of Solids 4. Engineering Graphics 5. English 6. Linear Algebra SEM – II 1. Chemistry 2. Environment & Energy Studies 3. Art of Programming 4. Elements of Electrical Engineering 5. Communication Skills	

6. Electronic Devices & Circuit

SEM - III

- 1. Chemical Engineering Thermodynamics
- 2. Chemical Engineering Calculation
- 3. Process Information & Analysis
- 4. Mathematics III
- 5. Basic Electronic Engineering
- 6. Production Engineering

SEM - IV

- 1. Fluid Mechanics
- 2. Mechanical Operation
- 3. Organic Chemical Technology
- 4. Chemical Engineering Thermodynamics II
- 5. Strength of Materials
- 6. Basic Electronic Engineering

SEM -- V

- 1. Heat Transfer
- 2. Mass Transfer I
- 3. Process Equipment Design (Mechanical) I
- 4. Inorganic Chemical Technology
- 5. Numerical Analysis & Computer Application
- 6. Chemical Process Instrumentation & Control

SEM -- VI

- 1. Mass Transfer II
- 2. Process Equipment Design II
- 3. Process Dynamics & Control
- 4. Chemical Reaction Engineering
- 5. Engineering Materials
- 6. Petro Chemical Engineering

SEM -- VII

- 1. Project Engineering, Economics & Management
- 2. Process Equipment Design III
- 3. Fuel Combustion Energy Technology
- 4. Transport Phenomena
- 5. Petroleum Refinery Engineering

6.	Polymer	Technology –	I
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SEM -- VIII

- 1. Process Utilities & Safety
- 2. Optimization Techniques in Chemical Engineering
- 3. Environmental Pollution Control Engineering
- 4. Process Modeling & Simulation
- 5. Polymer Technology II
- 6. Polymer Technology III

Master Program in Chemical Engineering		
Eligibility	Graduate or Diploma with 5 years Work Experience	
Duration	1 - 2 Year	
Fees	34,500.00	
Syllabus	SEM – I 1. Mathematical Methods in Chemical 2. Advanced Fluid Mechanics Engineering 3. Advanced Mass Transfer 4. Chemical Engineering Thermodynamics 5. Advanced Transport Phenomena 6. Advanced Heat Transfer 7. Distillation SEM – II 1. Chemical Reaction Engineering 2. Advanced Process Dynamics & Control 3. Process Modeling & Simulation 4. Research Methodology 5. Project Management 6. Optimization Techniques	

7. Safety & Hazards

SEM -- III

- 1. Analytical Techniques
- 2. Composite Materials
- 3. Nuclear Fuel Cycles
- 4. Bio-fuels
- 5. Biomedical Engineering & Engineering Health Care
- 6. Health Physics
- 7. Power Plant Design

SEM -- IV

- 1. Renewable Energy Engineering
- 2. Biochemical Process Design
- 3. Enzyme Engineering & Technology
- 4. Bioreactor Analysis
- 5. Food Technology
- 6. Chemical Plant Safety & Occupational Hazards
- 7. Specialization