COURSE INFORMATION

<table>
<thead>
<tr>
<th>Course</th>
<th>BS (Chemical Engineering)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Duration</td>
<td>4 Years (8 Semesters)</td>
</tr>
<tr>
<td>Department</td>
<td>Chemical Engineering</td>
</tr>
<tr>
<td>Faculty</td>
<td>Engineering</td>
</tr>
<tr>
<td>Campus</td>
<td>Takatu</td>
</tr>
</tbody>
</table>
Program Structure for BS (Chemical Engineering)

COURSE STRUCTURE

First Semester
- Functional English
- Islamic Studies/ Ethics
- Chemical Process Principles – I
- Engineering Drawing
- Physics
- Mathematics - I

Second Semester
- Chemical Engineering Thermodynamics – I
- Technical Report Writing & Presentation Skills
- Computer & Computation
- Mathematics –II
- Applied Chemistry –I
- Pakistan Studies

Third Semester
- Chemical Process Principles – II
- Applied Chemistry – II
- Workshop Practices
- Fluid Mechanics
- Electrical Technology & Electronics
- Mathematics - III

Fourth Semester
- Chemical Process Technology – I
- Logical & Critical Thinking
- Particle Technology
- Heat Transfer
- Computer Aided Engineering Drawing
- Computer Programming & Application Software

Fifth Semester
- Mass Transfer
- Chemical Engineering Thermodynamics –II
- Fuel & Combustion.
- Numerical Analysis & Computer Application
- Transport Phenomena

Sixth Semester
- Instrumentation & Process Control
- Engineering Economics
- Simultaneous Heat & Mass Transfer
- Engineering Materials
- Chemical Reaction Engineering

Seventh Semester
- Chemical Plant Design
- Chemical Process Technology – II
- Communication Skills
- Elective – I
- Process Design & Simulation

Eighth Semester
- Project Management
- Elective – II
- Elective – III
- Production & Operation Management
- Maintenance Engineering & Safety
- Plant Design Project

Admission & 1st Semester Fee:

Admission fee (Per academic session) Rs. 13,162/-
Registration Fee (Per academic session) Rs. 2,632/-
Security Fee (Refundable) Rs. 4,680/-
Tuition Fee (Per Semester) Rs. 20,280/-
Examination Fee (Per Semester) Rs. 2,028/-
Lab & Library Fee (Per Semester) Rs. 6,337/-
Total : Rs. 49,120/-

2nd Semester and onward Fee

Tuition Fee (Per Semester) Rs. 20,280/-
Examination Fee (Per Semester) Rs. 2,028/-
Lab & Library Fee (Per Semester) Rs. 6,337/-
Total : Rs. 28,645/-

HOW TO APPLY
- For Application Submission, follow the link below:
  - URL:http://admissions.buitms.edu.pk
- Admission Processing fee is Rs 2,500/= (Non refundable)