

Graduate Diploma in Chemical Engineering Course Work

Professional Diploma (BE)/ Master Diploma (ME) in Chemical Engineering /Metallurgy/Petroleum

Follow the instruction for Professional Diploma in Chemical Engineering

<http://www.highlightcomputer.com/profdipchemengg.htm>

Then do specialized additional studies in Metallurgy/ Explosion Protection/ Petroleum

Based on the units selection and amount of studies, the following qualifications can be issued

Professional Diploma/ Master Diploma in Metallurgical Engineering and Petroleum Engineering

- Professional Diploma in Chemical and Metallurgical Engineering will be awarded , if 4 Metallurgy units are completed. 80 points at 20 points each
- Professional Diploma in Chemical Engineering and Professional Diploma in Metallurgical Engineering will be awarded if 6 Metallurgy units are completed. (120 points at 20 points each)
- If 8 Metallurgy Units are completed , Graduate Diploma in Metallurgical Engineering will be awarded (160 points at 20 points each)
- If 12 Metallurgy Units are completed , Master Diploma in Metallurgical Engineering will be awarded (ME-Metallurgical award by STC Technological University) (240 points)
- Professional Diploma in Chemical and Petroleum Engineering will be awarded , if 4 Petroleum units are completed. (80 points at 20 points each)
- Professional Diploma in Chemical Engineering and Professional Diploma in Petroleum Engineering will be awarded if 6 Petroleum units are completed. (120 points at 20 points each)
- If 8 Petroleum Units are completed , Graduate Diploma in Petroleum Engineering will be awarded (160 points at 20 points each)
- If 12 Petroleum Units are completed , Master Diploma in Metallurgical Engineering will be awarded (ME-Petroleum award by STC Technological University) (240 points at 20 points each)

Graduate Diploma & Master Diploma in Chemical Engineering

- Graduate Diploma in Chemical Engineering will be awarded if the following additional units are completed
 1. PE 41014+42014+Natural Gas Processing-PE 51024Natural Gas Engineering
 2. PE 21002+22002-Drilling Fluids

3. Met507 Explosive Engineering

From <http://www.highlightcomputer.com/profdiphazardous.htm>

4. BAE 637E Hazardous Chemical Management
5. BAE 638E Environmental Engineering in Hazardous Areas
6. BAE 636 E Hazardous Area Inspection
7. BAE 634 Explosion Protection
8. BAE 633E Hazardous Area Safety Audits (160 points at 20 points each)

Then complete Chemical Engineering Thesis to complete Master Diploma in Chemical Engineering (ME-Chemical)

Course Work Plan

The students will have to write 20 pages study report for each of the subjects outlined below.

The report needs to include

- Book review- Review on each chapter of the book highlighting the key concepts, key formula, key theory & practical application concepts
- Own idea on how to apply those concepts in real practical applications.
- Examples of engineering designs that use the concepts & knowledge expressed in those books (If any)
- Your comment on each book