

Professional Diploma in Mechanical Engineering and Management

www.iqytechnicalcollege.com/ProfDipMechEnggMgtOutline.pdf

This program is mixture of Mechanical Engineering and Management. The graduates can either work as Mechanical Engineer or Project Manager

Advanced Diploma in Mechanical Engineering and Management

Advanced Diploma in Mechanical Engineering

30 Credit Points in Engineering units Each 2 Points

Maths 101 Engineering Mathematics

ME101 Applied Mathematics

ME106 Electrical Circuits

ME201 Introduction to Fluid Mechanic

ME103 Engineering Mechanics

ME107+ME102 Thermodynamics and Heat Transfer

ME108 Principle of Engines (Self Study)

ME203 Control Engineering

ME205 Manufacturing Processes and Materials (Self Study)

ME634 Pnuematics (Self Study)

ME334 Air-conditioning and Refrigeration (Self Study)

ME434 Mechatronics and Robotics (Self Study)

EE102+ME105 Electrical Workshop

ME305 Corrosion Protection (Self Study)

CE111 Drawing

30 Credit Points in Management units

Advanced Diploma in Management

Mgt 101 Management (4 pt)

Mgt 102 Performance Management (4 pt)

Mgt 103 Operation Management +Mgt 107 Industrial Risk Assessment
(4 pt)

ICT 104 Mgt 104 Program Project +BAE 508 Project Management

(6 pt)

Mgt 105 Quality Management (4 pt)

ICT 107 Business Information Systems (4 pt)

Mgt 108 Computer Application in Management (4 pt)

THS graduates will need to do self study in some mechanical units .

Advanced Diploma in Mechanical Engineering and Management will be completed

Professional Diploma in Mechanical Engineering and Management

PART 1-Engineering (9 points)

Professional Diploma in Engineering (Year 3) (9 points for Engineering)

Complete BAE units by personal attendance and RE units by self study

1 BAE 401 Advanced Engineering Mathematics (2 pt)

2 BAE 402 Calculus (2 pt)

3 BAE 403 Engineering Mechanics (2 pt)

4 BAE 404 Engineering Materials & Thermodynamics (3 pt)

PART 2-Management (21 points)

Complete any 7 units at each 3 points

Complete

<http://www.iqytechnicalcollege.com/advdipmgt.htm>

Mgt 201 Customer Service Management

Mgt 202 Change Management

Mgt 203 Inventory & Budget Management

Mgt 204 Continuous Improvement Management

Mgt 205 Office Management

Mgt 206 Work-based Training Management

Mgt 207 Business Letter Writing

Mgt 208 Safety Management

Mgt 209 Risk Management

Mgt 210 Professional Development Management

Mgt 211 Leadership

Mgt 212 Preparing Portfolios

Mgt 213 Conflict Management

Professional Diploma in Mechanical Engineering & Management (Year 4)

(30 points)

Professional Diploma in Mechanical Engineering

Complete 10 units at 30 Points

RE011a Civil and Mechanical Engineering (3 pt)

BAE606 Building Services Electrical and Mechanical Engineering(3 pt)

BAE314 Power Generation (3 pt)

BAE423 Fluid Mechanics(3 pt)

BAE512 Building Services Water Supply System (3 pt)

RE014 Electronics Control (3 pt)

BAE601 Computer Programming (3 pt)

BAE605 Management (3 pt)

BAE508 Project Management (3 pt)

BAE608 Engineering Competency Report (3 pt)

Professional Diploma in Mechanical Engineering and Management will be completed