

MASTER OF ENGINEERING MANAGEMENT

The Master of Engineering Management degree program (MEM) is designed to prepare engineers in better management of company resources towards successful completion of engineering projects. Basic management principles are of valid interest for all engineers as involvement in some level of management responsibility is an inevitable component of most engineering careers. The knowledge and skills of integrating engineering and management techniques in designing, operating, evaluating, implementing and managing continuous improvements of systems is highly valued in today's industrial environment.

The Master of Engineering Management is structured so as to enable engineering practitioner's to advance into positions of greater managerial responsibility, to advance their careers and to develop core competencies in engineering management. The MEM focuses on the need for students to acquire and demonstrate a command of creative, analytical and conceptual skills. It challenges the student to analyze, diagnose and execute strategic judgments across all engineering functions.

Engineering management prepares individuals to successfully integrate engineering and management knowledge while optimizing the use of people, money, equipment and information. MEM is a strategically designed program that will provide graduates the opportunity to improve their management skills and their understanding of business practices which is very much necessary in today's highly competitive environment. Graduates of this program will become empowered to work in teams and understand managers from other disciplines including finance, human resources and marketing.

Degree requirements: Candidates are required to complete ten (10) subjects (60cps) according to the sequence of study listed below.

There are eight (8) compulsory subjects that are required to be completed along with two (2) elective subjects to be selected from **ONE** stream provided each session by the Faculty

CORE SUBJECTS

Code	Title	Credit points
ENGG 938	Engineering Economics	6 cp
ENGG 939	Engineering Logistics	6 cp
ENGG 951	Engineering Project Management	6 cp
ENGG 952	Engineering Computing	6 cp
ENGG 954*	Strategic Management for Engineers and Technologists	6 cp
TBS 901	Accounting for Managers	6 cp
TBS 903	Managing People in Organizations	6 cp
TBS 905	Economic Analysis of Business	6 cp

*Capstone subject to be taken in the final semester only

ELECTIVES

Electives are chosen from the following streams:

Code	Title	Credit points
Management Stream		
MGMT 915	Management of Change	6 cp
MGMT 920	Organizational Analysis	6 cp
MGMT 978	Cross Cultural Management	6 cp
Operations Stream		
TBS 908	Supply Chain Management	6 cp
TBS 930	Operations Management	6 cp
Total Quality Management		
TBS 950	Quality in Management	6 cp
TBS 952#	Implementing Quality Systems	6 cp
TBS 953#	Management of Service Quality	6 cp

TBS 950 is a pre-requisite for TBS952 and TBS953

COMPLETION REQUIREMENTS

To qualify for award of the degree of Master of Engineering Management a candidate **must**:

- Accrue an aggregate of at least 60 credit points by completing and passing
the required core and elective subjects, **AND**
- Achieve an overall Weighted Average Mark (WAM) of 60% average at UOWD.

PROPOSED DEGREE PLAN

Spring 2010	Summer 2010	Autumn 2010	Spring 2011	Summer 2011
ENGG952	ENGG938	ENGG951	TBSXXX	ENGG954
ENGG939	TBSXXX	TBSXXX	Elective	Elective

Please note TBSXXX would be either TBS901, TBS903 or TBS905 which are on offer every semester. ENGG954 is a capstone and should be taken in the last semester