Application and Closing Date

Application at UP and GSTM

Any person who wishes to apply at the University for the first time, or after an interruption of studies: Please complete the –

• on-line University Application Form or download a hard copy at www.up.ac.za/gstm/mem_mpm-applications; and
• download and complete the Department’s Application Form at the same website.

Please fax or e-mail both the above-mentioned application forms to the Programme Administrator, Mrs Tanya van Zyl.

The closing date for applications for 2017 is 31 October 2016.

Programme Fees

Fees indicated are as in 2016 and might be increased with approximately 10% in 2017.

The total fee in 2016 was R 100 000. The fee includes tuition, textbooks, study material and meals on campus. These fees, inclusive of an approved increase in 2017, apply to students completing the programme within the prescribed two-year period. The fees are typically payable as follows: 60% in the first year, and 40% in the second year. Where necessary, arrangements can be made to pay each year’s portion in two equal instalments. In the case of the programme not being completed in the prescribed two years, a re-registration fee of approximately R 8 000 for a third (final) year is payable. The University reserves the right to increase the fee annually. Students who do not have South African citizenship are liable for an additional amount of approximately R 2 700 per annum administration fee.

Distance examinations are arranged for students who apply, but at an extra cost of R 600 per examination paper within the RSA and SADC countries and R 1 300 per examination paper for international countries. Examination fees are reviewed annually, and could thus be higher in 2017. Fees will be finalised towards the end of the year, typically during November.

Certificate Programmes

The Graduate School of Technology Management (GSTM) offers several certificate programmes with Enterprises at University of Pretoria. The goal with these programmes is to develop individual and organisational skills for individuals and organisations that do not want to follow the formal degree route or do not comply with the admission criteria for doing a masters programme.

One-year certificate programmes

• Engineering Management (PEM)
• Project Management (PPM)
• Advanced Programme in Project Management (APPM)
• Logistics
• System Engineering
• Technology Management

Short course programmes

• Project Management Principles and Practices
• Project Management Principles and Practices in Organisations

Method of presentation

Lectures and group work during course days. Assessment takes the form of practical assignments that solve real problems in the workplace.

Admission

The courses are designed to assist all technologists with the development of their career skills. Grade 12, work experience and preferably some tertiary education are required.

Further information on Certificate Programmes

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MEM Philosophy
Globalisation, rapid change driven by technology and the ever-increasing customer demand force companies to become extremely effective and efficient. The increased complexity of technology strengthens the realisation that an enterprise cannot perform all required processes by themselves, but need to (re)focus on core competences. Coupled to this focus on core internal processes a strong partnering capability should be established. The creation of real value requires original thinking in terms of integrated products and services delivered to customers. Intelligent and efficient procurement of these technology-based subsets of the final “solution to customers” becomes paramount. Innovation is hence not only the mastering of technology per se, but the identification and integration of technologies across organisational boundaries.

Purpose of the MEM
The purpose of the MEM is to provide relevant management education to the practising engineer or scientist who is active in primarily technology-based enterprises. The MEM is aimed at the engineer pursuing a career in general management or functional management. Where the traditional engineering disciplines focus mainly on technology, the programme is dedicated to the utilisation of technology in its broadest sense in the business environment (industry) for the creation of wealth at enterprise and national level. The MEM is well-established in the Southern African market.

Masters in Engineering Management
It is the fact that the MEM course is built on the engineering management model encompassing the engineering processes, resources, synthesizers and the environment — all of which are areas where we as engineers operate in. The MEM enhanced my technical knowledge with the much-needed engineering management skills required. There was a commendable balance of theory, application and case studies. The lecturers have excellent academic and industry experience. I found each of the modules relevant to my work and it is a definite recommendation to anyone willing to take a swipe at a rewarding career in the engineering world. Silvester Wayiti, 2014

Domain Specialisation
Domain specialisation allows an exciting and meaningful expansion of the programme. The domain model provides the opportunity for a number of derivatives based on a single platform with a similar architecture, while responding to the specific needs of various industries. Students complete their first study year and then follow the general programme option or select a domain for their second year. Summary of the four available domains:

1. Asset and Maintenance Management Domain
This domain is aimed at companies with capital intensive and long-term infrastructure and resources, e.g. factories, process plants, power stations, etc. Typical modules will be Asset Management, Risk Management and Life-cycle Management.

2. Engineering Services Management Domain
The international economy is fundamentally changing from product based (manufacturing) to a more service orientated economy. South Africa has a dual economy, i.e. product (manufacturing) and services based. This domain addresses the fundamentals of services science in the engineering type of environment. The design and delivery of services are explored. Relevant management approaches, e.g. complex adaptive systems (CAS) are studied. Web based service delivery, required technology support, market orientation and a human systems perspective are addressed.

Asset and Maintenance Management Domain
The programme is aimed at long-term infrastructure and resources, e.g. factories, process plants, power stations, etc. Typical modules include: Asset Management, Risk Management and Life-Cycle Management.

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