



Polytechnic University of Puerto Rico  
 Graduate School  
 Master Program in Engineering Management



**M.E.M.  
 Engineering Management**

Core Courses: 18 credit-hours  
 Eng. Mgmt. Courses: 12 credit-hours  
 Emphasis Courses: 9 credit-hours  
 Comprehensive Exam  
 Total: 39 credit-hours

**Core Courses  
 18 credits**

**Management Courses\* (18 credits)**

MGM 5500 – Managerial Accounting  
 MGM 5700 – Probabilities and Statistical Methods  
 MGM 6070 – Managing Human Resources  
 MGM 6560 – Management of Information Systems  
 MGM 6620 – Managerial Finances – Prerq. MGM 5500  
 MGM 6690 – Decision Making Techniques – Prerq. MGM 5700

**Core Courses  
 12 credits**

**Engineering Management Courses (12 credits)**

MEM 5600 – Engineering Economic Analysis  
 MEM 6110 – Engineering Management I  
 MEM 6120 – Engineering Management II – Prerq. MEM 6110  
 MEM 6970 – Engineering Management Problems – Prerq. MEM 6120

**Emphasis Area Courses  
 9 credits**

Requirement: Comprehensive Exam\* must be approved

**Manufacturing Management**

MEM 6420 – Maintenance Management  
 MEM 6610 – Productivity Management  
 MBA 6830 – Operations Management  
 MGM 5800 – Supply Chain Management & Logistics

**Construction Management**

MEM 6410 – Construction Management  
 MEM 6170 – Cost Estimate and Contracting  
 MEM 6820 – Business and Construction Law

**Public Works Management**

MEM 6170 – Cost Estimate and Contracting  
 MEM 6610 – Productivity Management  
 MEM 6710 – Professional Ethics & Public Policy

**Environmental Management**

MEM 6910 – Air Quality  
 MEM 6915 – Water Quality  
 MEM 6940 – Introduction to Pollution Control of Earth Systems  
 EPM 6800 – Solid Waste Management  
 EPM 6810 – Environmental Regulations  
 EPM 6850 – Management for Sustainable Future

\*Notes: All 18 credits from Management Courses must be approved as requirement for the Comprehensive Exam. Comprehensive Exam cost - \$100.00.