

TOTAL EXAMINATION PROGRAM
PEO Syllabus of Examinations, 2004 Edition

INDUSTRIAL ENGINEERING

INTRODUCTION

A full set of Industrial Engineering examinations consists of the following, three-hour examination papers and an engineering report. Candidates will be assigned examinations based on an assessment of their academic background. Examinations from discipline syllabi other than those specific to the candidates' discipline may be assigned at the discretion of PEO's Academic Requirement Committee.

BASIC STUDIES EXAMINATIONS

04-BS-1	Mathematics
04-BS-2	Probability and Statistics
04-BS-3	Statics and Dynamics
04-BS-4	Electric Circuits and Power
04-BS-5	Advanced Mathematics
04-BS-6	Mechanics of Materials
04-BS-7	Mechanics of Fluids
04-BS-10	Thermodynamics
04-BS-11	Properties of Materials
04-BS-15	Engineering Graphics and Design Process

PROFESSIONAL EXAMS – SPECIFIC TO INDUSTRIAL ENGINEERING

GROUP A

98-Ind-A1	Operations Research
98-Ind-A2	Analysis and Design of Work
98-Ind-A3	Facilities Planning
98-Ind-A4	Production Management
98-Ind-A5	Quality Planning, Control, and Assurance
98-Ind-A6	Systems Simulation

GROUP B

98-Ind-B1	Applied Probability and Statistics
98-Ind-B2	Manufacturing Processes
98-Ind-B3	Computer Aided Design and Computer-Assisted Manufacturing
98-Ind-B4	Design of Information Systems
98-Ind-B5	Ergonomics
98-Ind-B6	Workplace Design
98-Ind-B7	Financial and Managerial Accounting
98-Ind-B8	Computer Integrated Manufacturing (CIM)
98-Ind-B9	Logistics: Transportation Aspects
98-Ind-B10	Industrial Safety and Health

COMPLEMENTARY STUDIES

98-CS-1	Engineering Economics
98-CS-2	Engineering in Society – Health, Safety, and the Environment
98-CS-3	Management Concepts for Engineers

3.2	Engineering Report
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