

TOTAL EXAMINATION PROGRAM
PEO Syllabus of Examinations, 2004 Edition

CIVIL ENGINEERING

INTRODUCTION

A full set of Civil 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-12	Organic Chemistry
04-BS-13	Biology
04-BS-14	Geology
04-BS-15	Engineering Graphics and Design Process

PROFESSIONAL EXAMS – SPECIFIC TO CIVIL ENGINEERING

GROUP A

98-Civ-A1	Elementary Structural Analysis
98-Civ-A2	Elementary Structural Design
98-Civ-A3	Municipal Engineering
98-Civ-A4	Geotechnical Materials and Analysis
98-Civ-A5	Hydraulic Engineering
98-Civ-A6	Transportation Planning and Engineering

GROUP B

98-Civ-B1	Advanced Structural Analysis
98-Civ-B2	Advanced Structural Design
98-Civ-B3	Geotechnical Design
98-Civ-B4	Engineering Hydrology
98-Civ-B5	Water Supply and Wastewater Treatment
98-Civ-B6	Urban and Regional Planning
98-Civ-B7	Highway Engineering
98-Civ-B8	Management of Construction
98-Civ-B9	Applications of the Finite Element Method
98-Civ-B10	Traffic Engineering

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