

TOTAL EXAMINATION PROGRAM
PEO Syllabus of Examinations, 2004 Edition

TRANSPORTATION ENGINEERING

A full set of Transportation 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-5	Advanced Mathematics
04-BS-6	Mechanics of Materials
04-BS-11	Properties of Materials
04-BS-14	Geology
04-BS-15	Engineering Graphics and Design Process

PROFESSIONAL EXAMS

GROUP A

07-TRA-A1	Introduction to Transportation Engineering
07-TRA-A2	Highway Design
07-TRA-A3	Traffic Engineering
07-TRA-A4	Pavement Materials, Design and Management
07-TRA-A5	Transportation Planning and Demand Analysis
07-TRA-A6	Geotechnical Materials and Analysis

GROUP B

07-TRA-B1	Transit Systems
07-TRA-B2	Intelligent Transportations Systems
07-TRA-B3	Logistics and Goods Movement
07-TRA-B4	Air Transportation
07-TRA-B5	Railway Transportation
07-TRA-B6	Highway Construction
07-TRA-B7	Transportation Economics
07-TRA-B8	Operations Research
07-TRA-B9	Traffic Safety
07-TRA-B10	Geomatics

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