

TOTAL EXAMINATION PROGRAM
PEO Syllabus of Examinations, 2018 Edition

GEOMATICS ENGINEERING

INTRODUCTION

A full set of Geomatics 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-8	Digital Logic Circuits
04-BS-9	Basic Electromagnetics
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
04-BS-16	Discrete Mathematics

PROFESSIONAL EXAMS – SPECIFIC TO GEOMATICS ENGINEERING

GROUP A

18-Geom-A1	Surveying
18-Geom-A2	Adjustment of Observations and Data Analysis
18-Geom-A3	Geodesy and Positioning
18-Geom-A4	Photogrammetry
18-Geom-A5	Remote Sensing and Image Analysis
18-Geom-A6	Cadastral Studies
18-Geom-A7	Geospatial Information Systems

GROUP B

18-Geom-B1	Digital Terrain Modelling
18-Geom-B2	Satellite Navigation
18-Geom-B3	Networks and Precise Engineering Surveys
18-Geom-B4	Hydrography
18-Geom-B5	Survey Law
18-Geom-B6	Land Use Planning and Environmental Management

COMPLEMENTARY STUDIES

11-CS-1	Engineering Economics
11-CS-2	Engineering in Society – Health & Safety
11-CS-3	Sustainability, Engineering and the Environment
11-CS-4	Engineering Management
3.2	Engineering Report