

TOTAL EXAMINATION PROGRAM
PEO Syllabus of Examinations, 2007 Edition

SPACE ENGINEERING

INTRODUCTION

A full set of Space 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-15	Engineering Graphics and Design Process
04-BS-16	Discrete Mathematics

PROFESSIONAL EXAMS – SPECIFIC TO SPACE ENGINEERING

GROUP A

07-Space-A1	Communications
07-Space-A2	Electronics
07-Space-A3	Geodesy and Positioning
07-Space-A4	Photogrammetry
07-Space-A5	Remote Sensing and Image Analysis
07-Space-A6	Algorithms and Data Structures

GROUP B

07-Space-B1	Computer Control and Robotics
07-Space-B2	Communication Systems
07-Space-B3	Gravity and Magnetic Fields
07-Space-B4	Surveying
07-Space-B5	Applied Geophysics
07-Space-B6	Satellite Navigation

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