



EgSA Space Technology Portal

*The simplest and fastest track
for mastering Space Technology*

List of Space Technology Online Courses & Certificates:

01

Certified Space Science and Technology Supervisor.. Certified SSTS™

1. Introduction to Space Engineering and Satellite Missions
2. Introduction to Space Environment & Its effect on Satellite Systems
3. Introduction to Satellite System Engineering
4. Introduction to Orbital Mechanics
5. Introduction to Satellite Subsystems
6. Introduction to Satellite Systems' Assembly, Integration, and Testing
7. Space Project Management and Planning

02

Certified Space Technology Specialist.. Certified STS™

8. Satellite Structure Design and Mechanical Components
9. Thermal control Subsystem in Satellites
10. Satellite Electrical Power Subsystem
11. Satellite Payload Subsystem
12. Satellite Attitude Determination and Control Subsystem
13. Satellite Communication, Telemetry Tracking and Command Subsystems
14. Satellite On-Board Computer Subsystem

03

Certified Space Operation, Control & Management Specialist.. Certified SOCMS™

15. Ground Reception Management
16. Satellite Flight Control Center
17. Introduction to Satellite Ground Control Station (GCS) design

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