



Space Cybersecurity

Course Module	Content Overview	Duration
Introduction to Space Cybersecurity	- Space systems fundamentals- Satellite technology- Space communication security	2 weeks
Threat Landscape in Space Systems	- Cyber threats to space assets- State-sponsored attacks- Space piracy	2 weeks
Satellite and Ground Station Security	- Securing satellite communications- Encryption protocols- Ground station security	3 weeks
AI in Space Security	- AI for monitoring space operations- Real-time threat detection- Automated responses	2 weeks
Cyber Defense Strategies for Space Infrastructure	- Developing policies- Risk management- Securing space assets	3 weeks
Space Security Policy and International Law	- Space security policies- International treaties- Global collaboration	2 weeks

