European Taxonomy of Space Knowledge (EU-TaSK)

v1.1 April 2024







3 Midstream: Operation of space assets

Systems engineering

Space systems & Spacecraft technology engineering

Satellite platforms & payloads

Aero/mechanical engineering

Aerospace Aerodynamics engineering

Propulsion

engineering

Space

architecture

Mechanical engineering

> Robotics & mechatronics

Thermal Structural engineering engineering

Electronics

Avionics

Guidance.

navigation &

control

Radio frequency

& telecoms

engineering

Signal processing

Analogue & digital systems

Computer systems, architectures & networks

Optoelectronic systems

Sensors & instruments

Telemetry, tracking & control

Maintenance, manufacturing & materials

Assembly, integration & testing (AIT)

Manufacturing

Materials engineering

Maintenance

Materials

chemistru

Metrology &

calibration

Space operations

Astrodynamics

Launch

Mission design

Planetary defence

Safety & regulation Spacecraft operations

Space sustainability Space traffic management



Downstream:

Space applications

Satellite applications

Climate change Atmosphere

GNSS & PNT

Security

Land & built Marine & environment maritime

Remote sensing

Emergencies &

disasters

Space science

Astrobiology

Astrophysics

Planetary science

Astrochemistry

Cosmology

Space science

Human spaceflight

Human spaceflight

Space medicine

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Software & data

Artificial intelligence & machine learning

Cyber security &

privacy

Computer science

Data analysis & modelling

Data visualisation

Business, finance & law

Business

Economics of space

Space finance

& insurance

Mathematics

Physics

Foundational

knowledge

Data processing & manipulation

Space policy, law, and licensing

Project

management

Software engineering

