



**ASTRAIOS**

Analysis of Skills, Training, Research and Innovation Opportunities in Space



**Unlock Your Space Career!**

**Think that a career in space is out of the question? Think again!**

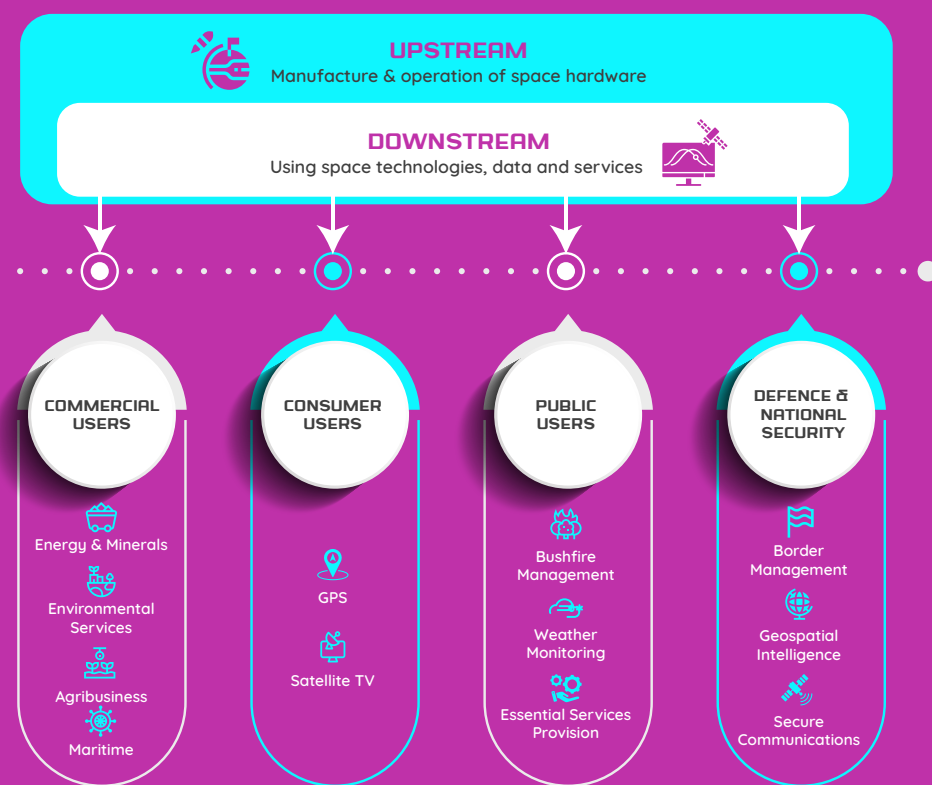
Explore the vast world of space careers beyond astronauts and rocket scientists. From satellite communications to space tourism, the space sector is booming with opportunities for diverse talents.

**WHAT IS THE SPACE SECTOR?**

The space sector is much more than just rockets and astronauts. It's a universe of possibilities! It covers a broad spectrum of businesses, organisations and agencies. It also includes a very wide range of activities and fields.

The space sector is essentially divided into two: Upstream and Downstream. The upstream sector includes the transportation of objects into space, ground stations and space exploration. The downstream refers to the use of data and services that result from the upstream, primarily from satellites, in different sectors, including agriculture, transport, urban planning, and environmental protection, among others.

Join us for a fascinating, "out-of-the-world" trip to discover this rapidly growing and enchanting sector!



**WHY CONSIDER A SPACE CAREER?**

The space sector's rapid growth implies countless roles and opportunities for diverse skills and interests, also including arts, writing, gaming, and more! Whilst STEM disciplines (Science, Technology, Engineering and Mathematics) lead the way, Space is a multidisciplinary field that encompasses a broad range of professions, from satellite design and manufacturing to climate monitoring and habitats monitoring!

Whether you're a STEM enthusiast or an artist with a passion for space, there's a place for you!

**GROWTH AREAS - NEW SPACE**

- Earth Observation
- Satellite Manufacturing
- Communication & Navigation
- Innovative Launch Systems
- Space Sustainability
- Space Tourism
- Planetary Explorations
- Medicine
- Food & Nutrition
- Material & Design
- Law & Space Policy
- Mining

**ROUTES TO THE STARS**

**MAIN ROLES IN THE SPACE SECTOR**

Wondering how to enter into the space sector? There are two main paths!

**Education**

The most traditional route into space is through STEM subjects, but any qualification could allow for some form of entry into the sector. Pursuing a degree in a relevant field, such as Aerospace Engineering or Physics, is a common way to enter into the space sector and is highly beneficial. But other subjects, like Politics, Business, Law and Communication, play a part in the space ecosystem. The educational requirements for a career in the space sector depend on the specific field you wish to pursue.

**Experience**

Not every job in the space sector will require you to have a degree, and don't think the door will be closed if you choose not to get one. There are some fabulous ways to grow your experience so that companies will take you seriously. Many companies prefer candidates who have experience in related fields, such as aerospace engineering or astrophysics. From internships and cooperation schemes, to competitions, hackathons or just volunteering; all can help you gain valuable experience and stand out when applying for jobs in the space sector.

**Engineers**  
Mechanical engineers, Aerospace engineers, Space system engineers, Electronic engineers responsible for the design and manufacture of spacecraft, satellites and related instrumentation.

**Computer & Information**  
Software and hardware engineers, Programmers and Data Analysts responsible for the development and implementation of software to control and monitor spacecraft and analyse data for weather, navigation and communications purposes, among others.

**Scientists**  
Such as Geologists, Physicists, Biologists, Climatologists, Chemists and Space doctors designing experiments and analysing space and satellite data.

**Non-Technical careers**  
Sales, public relations, marketing, administration, business strategy, educational outreach, insurance, journalism, law, tourism and more!

**Your Journey Begins Now!**

**OUR PARTNERS**

**LET'S CONNECT!**



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