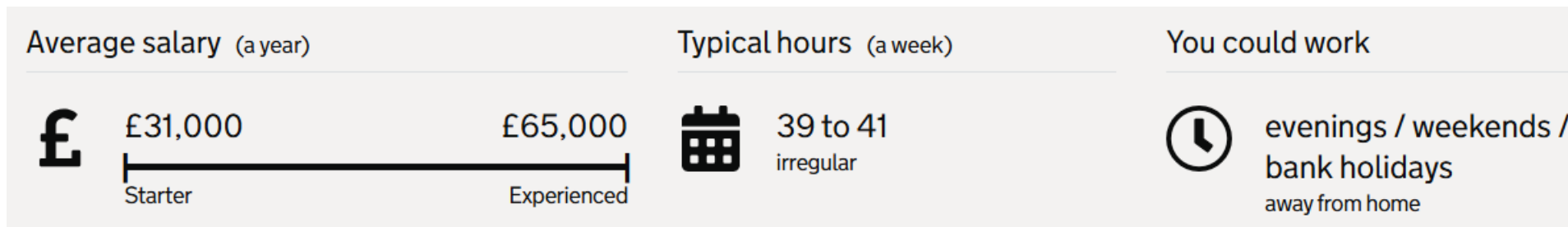


Astronomers

Astronomers study the origin and structure of the universe, including its planets, stars, galaxies and black



Different routes to get this job

(check the website for entry requirements)

You'll need a degree and postgraduate qualification to work as an astronomer. You'll usually need to have achieved a first or a 2:1 in your degree.

Skills and knowledge

- maths knowledge
- knowledge of physics
- analytical thinking skills
- science skills
- excellent verbal communication skills
- the ability to use your initiative
- the ability to think clearly using logic and reasoning
- concentration skills
- to have a thorough understanding of computer systems and applications

Day-to-day tasks

In observational astronomy, you could:

- collect and analyse data from satellites and spacecraft
- explore space using radio and optical telescopes
- design new instruments and maintain existing equipment
- develop software to interpret images and data captured by satellites

In theoretical astronomy, you could:

- create computer models to test theories about space activities
- analyse the results of past observations to make new predictions
- make observations and develop theories
- analyse data to help build our understanding of events in the universe