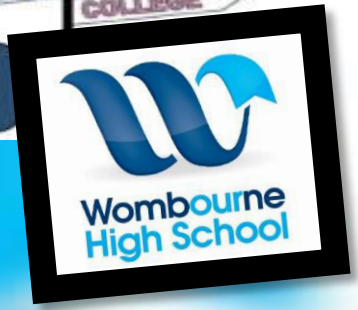


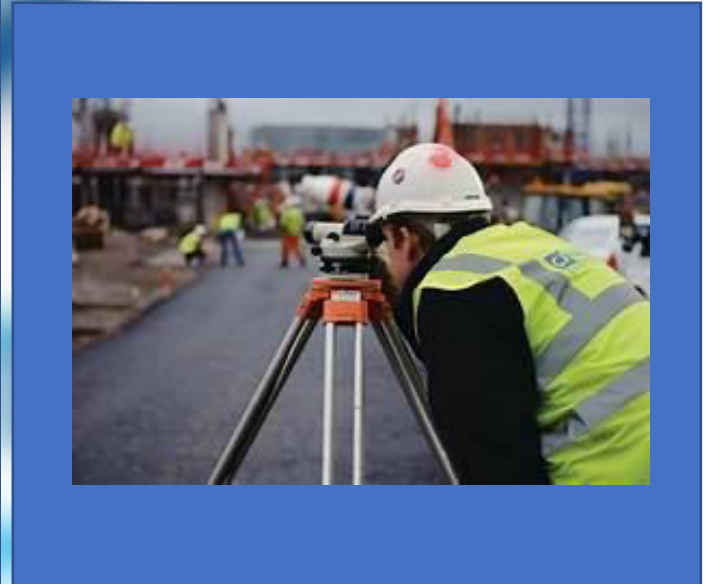
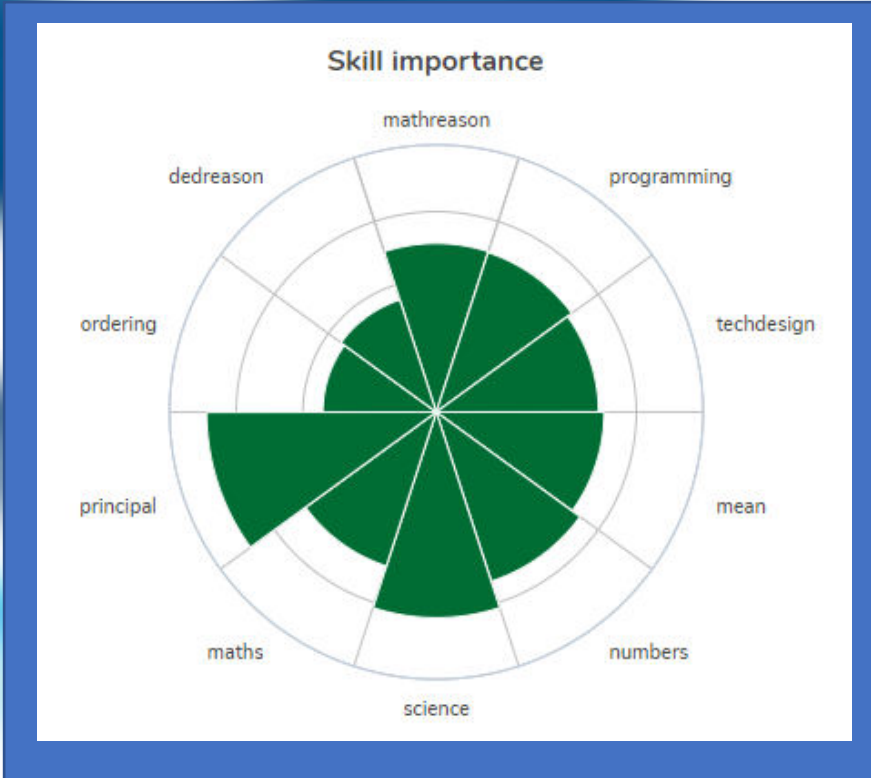


# Careers 2020



## Civil Engineer

**Career Of The Week Date:**  
**3/5/2021**





## Civil Engineering



£44,200  
average salary



The UK average salary is £28,758

39

average weekly hours



There are 37.5 hours in the average working week

90% male 10% female



The UK workforce is 47% female and 53% male

### Description

Civil engineers undertake research and design, direct construction and manage the operation and maintenance of civil and mining engineering structures.

### Qualifications

Civil engineers usually possess an accredited three or four-year degree in civil engineering or engineering science or an accredited Higher National Diploma or Certificate. The status of 'incorporated engineer' is obtained upon the completion of further training at work and associate membership of a chartered engineering institution. The status of 'chartered engineer' is achieved through the completion of postgraduate training and full membership of a chartered engineering institution.

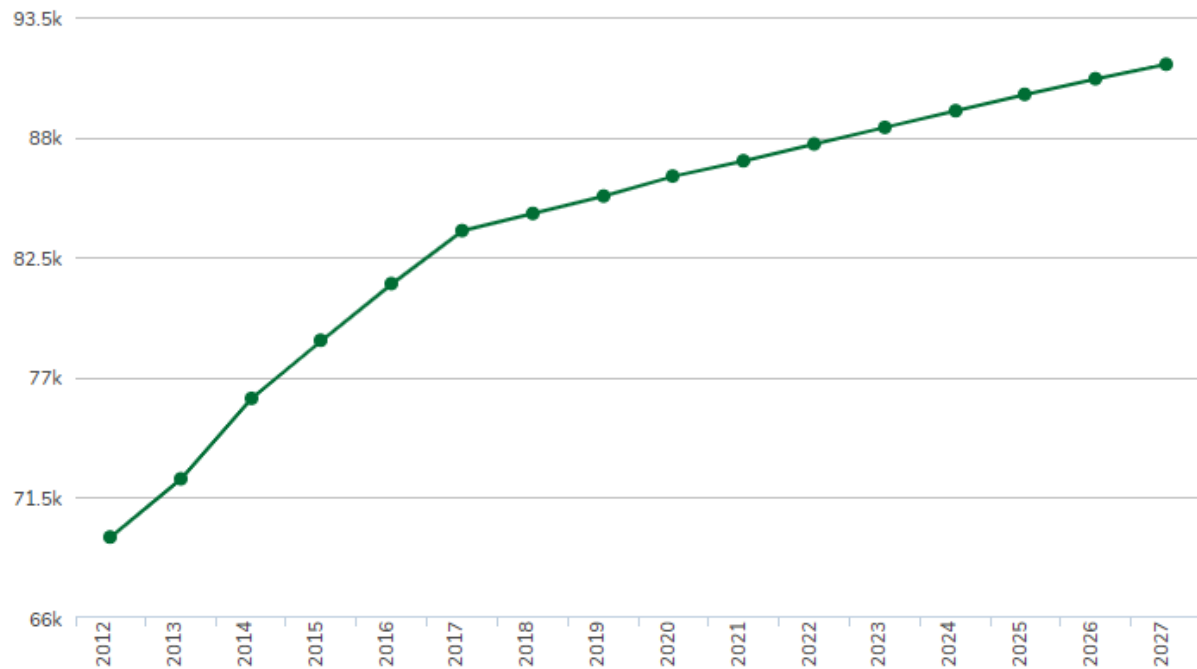


## Civil Engineering

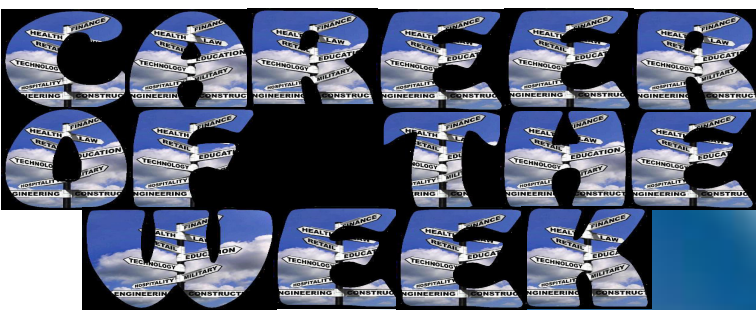
### Tasks:-

- Undertakes research and advises on soil mechanics, concrete technology, hydraulics, water and waste water treatment processes and other civil engineering matters;
- Determines and specifies construction methods, materials, quality and safety standards and ensures that equipment operation and maintenance comply with design specifications;
- Designs foundations and earthworks;
- Designs structures such as roads, dams, bridges, railways, hydraulic systems, sewerage systems, industrial and other buildings and plans the layout of tunnels, wells and construction shafts;
- Organises and plans projects, arranges work schedules, carries out inspection work and plans maintenance control;
- Organises and establishes control systems to monitor operational efficiency and performance of materials and systems.

Future employment

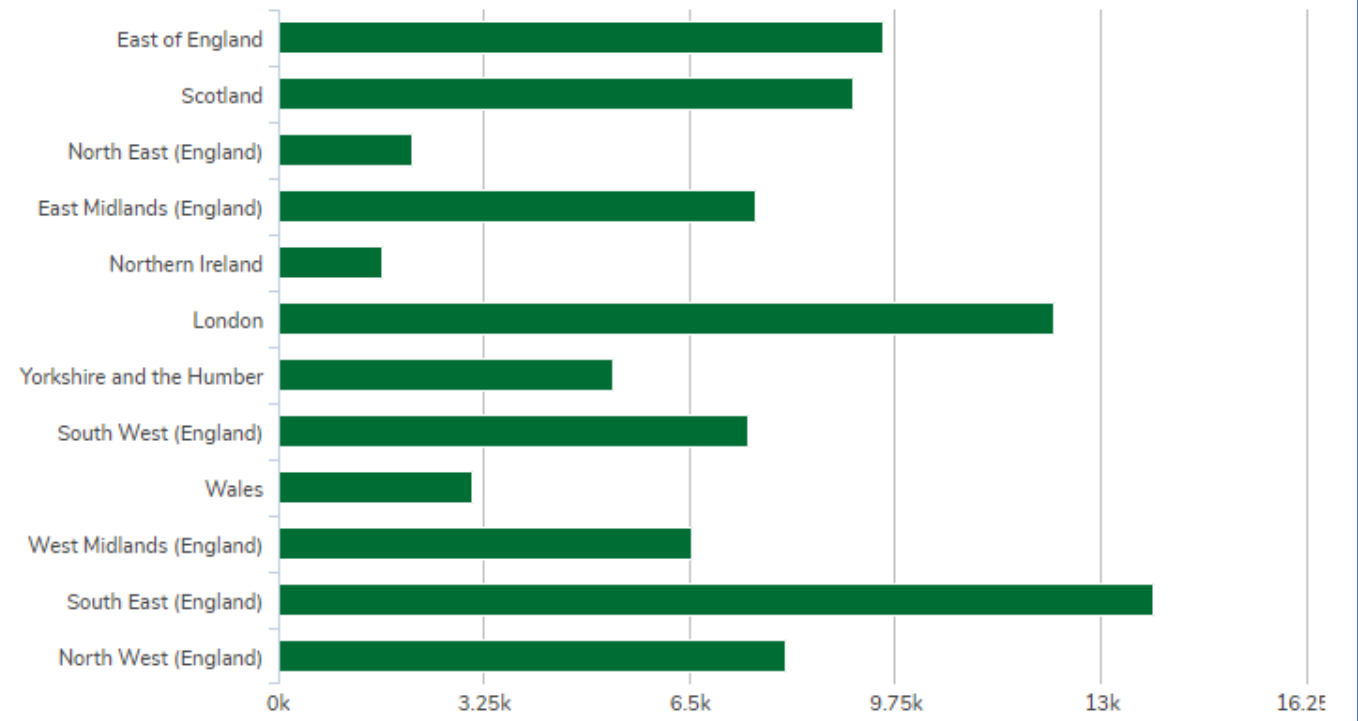




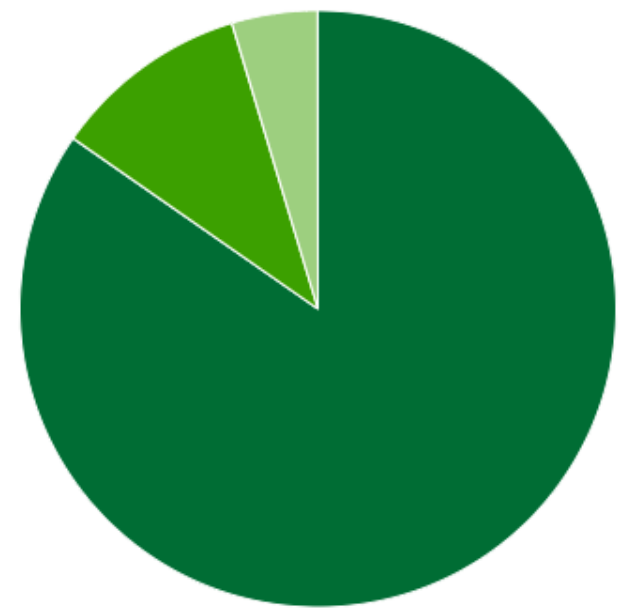


# Civil Engineering

Employment by region



Employment status



Full-time employee Self-Employed Part-time employee