

LABOUR MARKET INFORMATION GUIDE



WHO ARE SKILLS JERSEY?

Skills Jersey have been brought together, by the Children, Young People, Education and Skills Department, to create a centre of excellence with clear links connecting education and life-long learners with industry.



Learning through work:



Whether it is mentoring apprentices through employment and training or coordinating work placement and shadowing schemes, Skills Jersey supports Islanders to make informed decisions leading to their future employment.

Connect with Education:



Offering links between schools, colleges, universities, industry and other education training providers, Skills Jersey is the hub where industry and education can work together to benefit the local community.

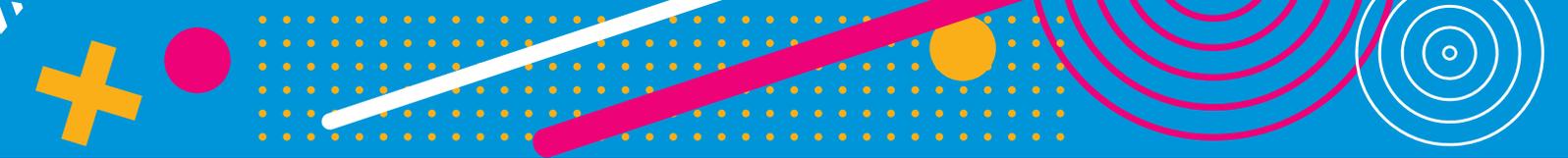
Careers Guidance:



The Careers Guidance team offer free, confidential and impartial career guidance, support and inspiration to people of all ages including school pupils, 16+ students and adults.

Please get in touch...

01534 449 440
skillsjersey@gov.je
www.gov.je/skillsjersey
www.facebook.com/skillsjersey
www.twitter.com/skills_jersey



LABOUR MARKET INFORMATION GUIDE 2019

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INTRODUCTION

Jersey is a small island - it is actually 45.5 sq. miles or 120 sq.km and at the end of 2017 the population was estimated as 105,500*, which is roughly the size of a small town in the UK such as Carlisle or Worcester.

Although Jersey's population is relatively small, the Island has a unique labour market. We have industries and occupations in Jersey that you would find in towns and cities as well as areas with more rural and coastal economies.

This booklet will give you an insight into some of the industries in Jersey. You may find a few surprises.... and perhaps see some jobs that you weren't aware people in Jersey do. In each section there will be information about how you can find out more about that sector.

The table below gives a breakdown of the numbers of people working in industries in Jersey in June 2017.

Industry Description	No. of People
Agriculture i.e. growing crops & farming of animals	1,260
Computer & related activities	810
Construction & quarrying	5,800
Electricity gas & water	500
Financial activities	11,450
Fishing	70
Gardeners, landscaping, pest control, agricultural mechanical services & other services	540
Hotels, restaurants & bars	6,470
Human health activities including doctors, dentists, opticians	1,140
Legal activities	1,820
Manufacturing	1,130
Miscellaneous business activities	5,130
Other services, including media, hairdressers	2,170
Private education including school, vocational, higher & adult	900
Recreational, cultural & sporting activities	1,670
Retail trade, except of motor vehicles & motorcycles; repair of personal & household goods	5,250
Sale, maintenance and repair of motor vehicles & motorcycles, retail sale of automotive fuel	940
Social work activities including nurseries & residential homes	2,350
Transport, storage & communication	2,880
Wholesale	1,560
Total	53,820

01 AGRICULTURE

In this section you will find out a little about the industry in Jersey.

At its core, agriculture may be about managing livestock and managing crops, but to do these things you need people with a range of other skills.

You need people to manage the health of the soil and animals; to work out the best way to plant a crop or to raise livestock; to produce seeds to plant; to look after the health and safety on farms; to ensure that farms conform to legislation; to look after farm machines and equipment; to market and sell what is produced and people to manage the farm business, its employees and its other assets. This makes agriculture a very diverse industry.

Did you know...?

- Jersey cows can be found all over the world but the breed originated in Jersey, which is why they are called Jersey cows.
- Jersey Royals can only be grown in Jersey. Jersey Royals go out to all of the major supermarkets in the UK ... that is a lot of shops and a lot of Jersey Royals.
- There is a £50 million annual output from Jersey's agriculture industry.
- 50% of Jersey is farmed.
- 24 million cones were served in the UK with Jersey Dairy ice cream.
- The slopes (or cõtils) face south / south east and so catch the early morning sun. The slopes also mean that any rain water will drain off more easily. All of this means that farmers can plant their crops earlier on cõtils.

Some agricultural roles in Jersey

Agronomist

Electrical Engineers

Farm Labourers

Drivers (e.g. tractors, fork lift truck, lorry, tanker)

Trainee Herdsperson

Farm Managers

Mechanical Engineer

Laboratory Technician

Department Manager

Production Operative



01 AGRICULTURE

Skill gaps

Jersey's dairy industry has a shortage of good herdspersons who would be capable of stepping up to a farm manager's role in the future.

What next...?

- For more information about careers in agriculture go to: www.brightcrop.org.uk

Did you know...?

- One of Jersey's businesses is working with NIAB Cambridge University Farms on two trials. Firstly, calculating optimum planting densities for different seed sizes and secondly, yield modelling forecast to harvest the optimum size tubers for prepack.
- Quad bikes and GPS are being used in Jersey to map out soil sampling.

In Jersey in 2017...

- There were 2,843 cows and heifers in milk held on dairy farms and the total number of cattle was in excess of 4,800.
- There were: 488 Full time staff, 114 part time staff, 834 seasonal staff working on Jersey farms during the peak season.
- Jersey exported £32,670,940 of vegetables, with potatoes accounting for £31,589,367 of this.
- Other livestock on Jersey farms included, 312 Beef animals, 27,044 Laying hens, 41 Goats, 390 Pigs.

Job roles in land based sector

Agricultural Consultant

Plant Breeder/Geneticist

Rural Practice Surveyor

Soil Scientist

Animal Nutritionist

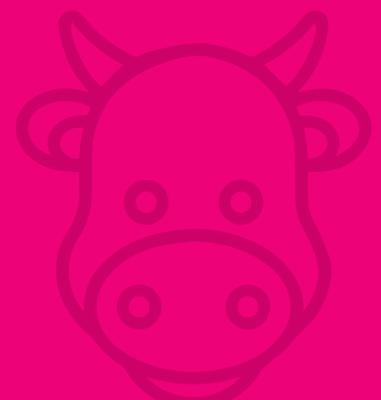
Field Trials Officer

Forest/Woodland Manager

Media Journalist

Land Based Engineering

Environments Conservation





02 CONSTRUCTION

There are lots of jobs that we recognise in the construction industry but did you know that archaeologists, 3-D visualisers, heritage consultants, robotics engineers, ecologists and drone pilots might also be used in a construction project?

The industry is also changing as there is an increasing demand for renewable energy such as solar thermal, air and ground source heating, bio-mass boilers, solar photovoltaic and wind turbines.

Did you know...?

- Experts are now looking at the possibility of constructing houses through 3D printing.
- There are hundreds of careers in design, management and engineering in the construction industry that do not involve getting your hands dirty.
- Construction/built environment is one of the industries related to Science, Technology, Engineering and Maths (STEM) industries. There is a huge shortage of graduates and skilled technicians in these subject areas. See the STEM section of this booklet for more information about STEM careers.
- The UK has 6, 546 wind turbines, generating 13 gigawatts of electricity.
- Maths, English and Science are important subjects if you want a career in construction.
- There are courses in Building conservation (repairing and conserving old buildings.) You can find out more at The Institute of Historic Building Conservation ihbc.org.uk/learning/

Skill gaps / future jobs

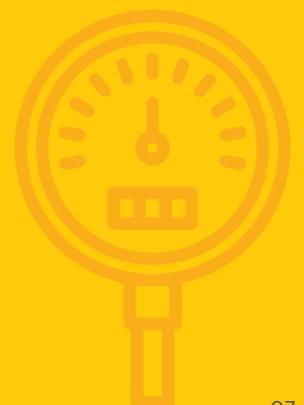
In the next five years experts suggest there will be an extra 232,000 jobs created in the construction industry in the UK.

As with many industries technology is driving forward change and experts expect that many new jobs will involve sustainable and efficient energy.

An increased use of Virtual Reality when projects are being designed.

3D printers will be used to create materials as well as entire buildings.

There is also expected to be jobs involving other new technologies including the use of aerial drones to survey buildings.



02 CONSTRUCTION

Some job roles in construction

3-D Visualiser/Specialist

Archaeologist

Architect

Architectural Technician

Boiler Service Technician - Oil/Gas

Brick/Block Layer

Building Services Engineer/Technician

Building Surveyor

CAD Modeller/ CAD Operative

Carpenter/Joiner

Civil Engineer

Civil Engineering Technician

Concrete Finisher

Construction Planner/Manager

Landscape Slab Layer

Lightning Conductor Engineer

Mains and LPG Gas Engineer

Mechanical & Electrical Consulting Engineer

Metal Welding & Fabrication

Painter and Decorator

Planner

Plant Mechanic and Operator

Plasterer

Plumbing and Heating Engineer

Project Manager

Quantity Surveyor

Scaffolding Operative

Site Engineer and Inspector



02 CONSTRUCTION

Construction in numbers

1260

Businesses related to the construction industry registered.
These employed less than 10 people.

10

Construction businesses employing more than 50 people.

94

Students who had completed a construction degree on the Island.

250

Part time students on construction trade related courses
at Highlands College.

5800

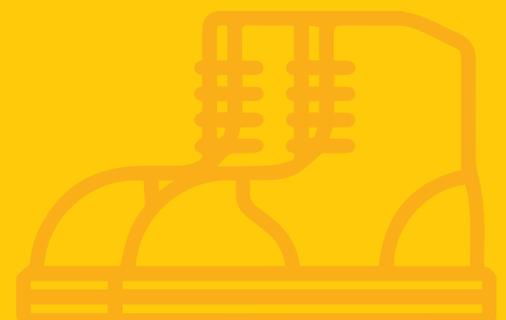
People employed in the construction industry.

159

Construction apprentices on Trackers Apprenticeship
Programme. All of which were employed and studying at
Highlands College.

What next...?

- Find out more on construction job roles:
goconstruct.org
- Construction apprenticeships in Jersey:
gov.je/trackers
- Jersey construction industry:
- jerseyconstruction.org
- **Twitter:** [@buildjersey](https://twitter.com/buildjersey)
- Construction courses at Highlands College:
highlands.ac.uk
- Construction courses at university:
ucas.com



03 DIGITAL

The digital tech economy is rapidly growing, with jobs around today that didn't even exist 15 years ago.

Jobs such as user experience design; sustainability expert; cloud computing services; social media manager & app developer are becoming the norm with experts telling us that people will be working in digital jobs in the future that we haven't even heard about yet.

Did you know...?

People working in the digital tech economy could be in both digital and non-digital businesses such as:

- Creative industries (e.g. animation, graphic design, etc.)
- Marketing (e.g. digital marketing)
- Retail (e-commerce)
- Financial services (Fintech- app development, analytics expert, software development)

...In Jersey's digital sector

- Digital businesses make up 7% of all Jersey businesses and there are 3,000+ employees in the digital tech economy.
- Of the digital sector employment in Jersey, 40% are Enterprise Solutions, App and Software, 20% are Telecoms and Networks, 15% are Creative Digital, 25% are other digital.

...The digital sector is part of the STEM group of industries.

- These are industries related to Science, Technology, Engineering and Maths. There is a massive shortage of people to fill jobs in these areas especially at graduate and skilled technician level.

Some digital roles in Jersey

Computer Programming

Computer Repair

Software Publishing

Digital Marketing

Cyber Security

Games Developer

Animation

Desktop Support Engineering

Digital Designing (games, web, graphic designers)

Analytics

Solution Architect

Digital Media

Social Media

Virtual/Augmented Reality

Telecommunications

03 DIGITAL

How to get into the digital industry in Jersey

- Some employers will value experience and/or a good portfolio of work, others will want specific qualifications.
- Highlands College runs a number of courses including a Foundation Degree in Information Technology for Business.
- The Sure Academy and JT Student Apprenticeship Scheme offer ways to work and gain qualifications.
- The Trackers Apprenticeship programme runs a Digital Apprenticeship. Trackers has also launched a Degree Apprenticeship in conjunction with KPMG, accredited by the University of Exeter.
- There are a large range of courses at university. You can find out more about university courses at: [ucas.com](https://www.ucas.com)
- Digital Jersey run a range of courses and also highlight digital courses from other providers in Jersey such as Highlands College and Beaulieu Institute of Technology. If you're interested in digital courses check out their website at: digital.je/digital-training/digital-courses

What next...?

- The Digital Industry in Jersey:
 - digital.je
 - Twitter: [@digitaljersey](https://twitter.com/digitaljersey)
- Trackers Apprenticeship Programme: gov.je/trackers
- Digital Jersey Courses: digital.je/digital-training/digital-courses
- Highlands Courses: highlands.ac.uk
- JT Student Apprenticeship Scheme: jtglobal.com
- Sure Academy: web.sure.com/jersey
- Beaulieu Institute of Technology: beaulieuproject.com/BIT
- Courses at university: ucas.ac.uk
- Careers in the digital sector:
 - nationalcareersservice.direct.gov.uk
 - prospects.ac.uk/job-profiles
 - ccskills.org.uk/careers
 - thetechpartnership.com/tech-future-careers



04 FINANCE

The finance industry is one of the largest industry sectors in Jersey and offers a wide variety of roles.

In this section you will find information about the finance industry in Jersey currently as well some information about how the industry is changing and where some of the skills gaps may be in the next five years.

The table below shows how many people were employed in each sector in December 2017 in Jersey:

SECTOR	NO. OF EMPLOYEES
Banking	4,240
Trust & Company Administration	5,380
Accounting	1,160
Fund Management	340
Insurance	360
TOTAL	11,480

Some job roles in finance

Accountancy

Administration

Banking

Business Development

Change Management

Compliance

Customer Service

Event Management

Financial/Wealth Planning

Funds

Human Resources/Employee Relations

IT & Security

Investment Management/Advisory

Legal

Marketing/Social Media

Office Management

Payments

Project Management/Consultancy

Public Relations

Risk Management

Secretarial/ Administration

04 FINANCE

Skill gaps

Following the 2008 financial crisis, there are fewer people working in the banking sector now, but there have been increases in the number of people working in other parts of the industry, such as trust, company administration, legal services. There are expected to be skills gaps in:

Cybersecurity

Predictive Analytics

Fintech/Regtech

Innovative Investment Funds

Impact Investment

Specialist Digital Skills

These jobs are expected to grow most over the next five years:

Trust Services

Corporate Services

Real Estate Funds

Private Equity Funds

Banking

Did you know...?

Although specific areas of the industry are likely to require their own technical skills and qualifications, employers value the following transferable skills.

- Ability to work under pressure
- Willingness to continuously develop technical skills
- Logical thinking/problem solving
- Written and oral communication skills
- Attention to detail
- Many employers in the finance industry require a 2:1 degree and a minimum of 280 UCAS points or equivalent for entry-level positions.

What next...?

- Finance jobs you haven't come across before:
nationalcareersservice.direct.gov.uk/job-profiles
jerseyfinance.je/careers
- Qualifications to be completed on island:
 - Highlands College: highlands.ac.uk
 - BPP: bpp.com
- Qualifications at UK universities:
ucas.com
- Degree level careers:
prospects.ac.uk



05 HOSPITALITY

Hospitality is a global industry and once you have your skills, experience and qualifications there are opportunities in countries across the world.

Employers value transferable skills e.g. interpersonal skills; problem solving skills; ability resolve conflict, creativity.

There are lots of different types of opportunity in the hospitality industry. Add to that the links it has with other sectors e.g. travel and tourism and leisure and you have a very diverse and rapidly changing industry.

The hospitality industry relies on the relationships it builds with its customers and its ability to keep pace with the changes in customer expectations to compete in a global market. This means that thinking up new ways of doing things is really important. Technology is also influencing the industry - in how it works and the job opportunities it offers.

Some job roles in hospitality

Digital Media Management

Front Office Management

Hotel Accommodation Operations

Hotel Front Office

Hotel, Restaurant & Resort Management

Waiting Staff

Director of Logistics

Food and Beverage Operations

Human Resources

Hospitality Management

Managing Director

Restaurant Operations Management

Wine Buyer

Event Management

Bar and Restaurant Supervision

Butchery Manager

Chef De Partie

Commercial Director

Director of Operations

Finance Controller

General Management

05 HOSPITALITY

Skills gaps / future changes in the hospitality industry

Chefs

Hotel Managers

Waiting Staff

Qualified Wine Waiters

Do you know what these jobs are?

- Sommelier
- Barista
- Patisserie
- Chef de Partie
- Head Concierge
- Financial Controller
- If not, see if you can find out more about them by using the websites below:
 - hospitalityguild.co.uk/A-Career-in-Hospitality/Career-Map
 - caterer.com/careers-advice/job-profiles

Useful skills that hospitality employers look for

Enthusiastic and committed

Able to analyse and interpret information

Creative

Good problem solving skills

Good interpersonal and communication skills

Research and planning

Critical thinking

Ability to resolve conflicts

Able to work in a team

Flexibility

Commercial awareness



05 HOSPITALITY

Different sectors you could work in:

Food Services

Banquets and events
Restaurants and bars
Catering

Luxury Services

Sales and marketing
Customer service
Luxury brand management

Travel and Tourism

Agencies/tour operators
Cruise ships
Airlines

Events

Meetings and conferences
Entertainment
Sporting events

Hotels

Revenue management
Front of office
Food and drink

The industry also employs people in:

Media and Marketing

Education and Training

Technology

Finance and Property

Did you know...?

- In 2017 6470 people were working in hotels, restaurants and bars in Jersey. This made up 10% of all jobs in Jersey.

What next...?

- For more about courses at Highlands College:
highlands.ac.uk
- Find out about Trackers Apprenticeships in Culinary Arts or Hospitality Management:
gov.je/trackers
- If you want to know about working in the hospitality industry in Jersey go to:
jerseyhospitality.com
- You can find out about careers in the hospitality industry at:
 - **instituteofhospitality.org/professional-development/careers-advice/**
 - **hospitalityguild.co.uk/A-Career-in-Hospitality/Career-Map**
 - **nationalcareersservice.direct.gov.uk**
- For information about courses at UK universities:
ucas.com



06 PORTS OF JERSEY

Ports of Jersey operates the airport and harbours in Jersey and is made up of Jersey Airport, Jersey Harbours, Jersey Coastguard and Jersey Marinas. Ports of Jersey employs more than 300 people in over 140 different roles.

Did you know...?

- Ports of Jersey has its own fire service department as well as air traffic control, marine leisure, coastguard and engineering. They also have HR, commercial, finance, IT, compliance, marketing and technical services department amongst others.
- In 2017 more than 95% of all goods coming into Jersey, entered via the port.
- In 2017 more than 500,000 tons of freight came into Jersey through the harbour. Over 80% of the freight was imported goods.
- In 2017, more than 1.6 million people came into Jersey through the airport with 659,480 people coming into Jersey through the harbour.

Some job roles at the Ports of Jersey

Administrator

Air Traffic Assistant/Controller

Airfield Technician

Customer Service Agents

Deckhand/Leading Deckhand

Deputy Coastguard Manager

Electrician

Engineer

Finance Officer/Manager

Fire Fighter

Groundsman

Harbour Master

Human Resources

Health and Safety Officer

What next...?

- If you are interested in finding out more about Ports of Jersey, you can visit their website: ports.je



07 GOVERNMENT OF JERSEY

A public sector provides services for a local community. In Jersey the public sector employer is the Government of Jersey.

When we think of working for the public sector we might think of teachers, doctors, nurses, firefighters and police officers. However, although Jersey's population is the size of a small city in the UK, Jersey is an independent island and not part of the United Kingdom: it has its own government and parliament, its own currency, makes its own laws and policies and has control of its own borders. It has rural and coastal areas to maintain and develop as well as providing services that would be more associated with large cities. This means that the Government of Jersey provides a wide variety of services and therefore employs people in a wide variety of roles.

The public sector in Jersey is currently one of the three largest industry sectors and in December 2017 employed 7,780 people.

Some job roles with the Government of Jersey

Court Liaison Officer

Dog Handler

Art Therapist

Librarian

Pathology Manager

Meteorologist

Civil Engineer

Farm & Services Technician

Financial Crime Analyst

Environmental Health Officer

Analytical Chemist

Biomedical Scientist

Prison Chaplain

Catering Officer

Anatomical Technician

External Relations Officer

Tax/Registry Officer

Natural Environment Officer

Informatics Analyst

Environmental Protection Officer

Intelligence Officer

GOVERNMENT OF JERSEY

Government of Jersey also employ people in roles that you would find in other sectors e.g. administration, human resources, finance and accountancy, legal, IT and digital.

Guess the service

What services do you think are approved by the Government of Jersey?

Judicial Greffe

External Relations

Natural Environment Officer

Department of the Environment

Infrastructure

01. Check your answers on the following websites:

- gov.je/Government/NonexecLegal/JudicialGreffe/Pages/WhoWeAre.aspx
- gov.je/Government/Departments

02. Find out more below:

The job roles in the public sector in Jersey are very diverse and are likely to have their own entry requirements. Use the websites below to find out more about them:

- nationalcareersservice.direct.gov.uk
- prospects.ac.uk/careers-advice

Guess the job

Can you guess what these Government of Jersey job roles involve?

Curatorship Administrator

Anatomical Technician

Natural Environment Officer

Play Specialist

Registrar of Deeds

Analytical Chemist

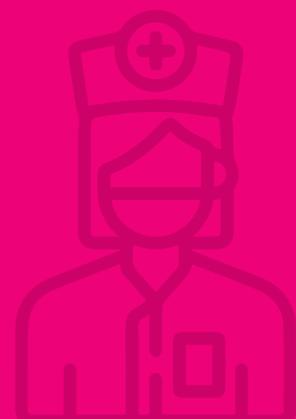
Meteorologist

Crime Analyst

Currency Notes Assistant

Probate Officer

Pathology Manager



08

RETAIL

The retail industry is varied and includes many different employers.

The types of jobs available in the industry are also varied and although retail is about selling, it is primarily about connecting with people. You could be helping someone pick out an engagement ring or helping a bride-to-be choose her wedding dress; you could be helping a young person pick out their very first interview outfit or you could be selling your own products at a craft fair.

This is an industry that rewards hard work, creativity and enthusiasm and, as it is an international industry, once you have gained experience and skills in Jersey it is possible to gain employment with retailers in other parts of the world.

Did you know...?

- In 2017 in Jersey 5,250 people were employed in retail trade, 1,560 people were employed in wholesale and 940 people were employed in motor vehicle trade and repair.
- In 2017 Wholesale and Retail trades made up 13% of the businesses in Jersey with a total of 1,040 business.
- In 2017 there were 32 apprentices on Trackers Apprentice Programme following the Retail Apprenticeship Programme.
- In Jersey the retail sector is made up of retail trade, wholesale and motor vehicle trade and repair.
- In 2016, the sector employed more than 4 million people and contained 374,000 businesses.

Some job roles in retail

Accountant

Brand Manager

Contents Producer

Customer Service Assistant / Supervisor / Manager

Digital Artworker

Events Planner

Financial Analyst

Home Design Stylist

Modelling and Optimisation Analyst

Retail Merchandiser

Solution Architect E-Commerce

Transport Supervisor

Training Officer / Manager

Visual Merchandiser

Warehouse Operative / Supervisor / Manager

08 RETAIL

Skill gaps / future jobs

The changes happening in the retail industry currently are unprecedented and so far reaching that the British Retail Consortium (BRC) are calling it the 4th Industrial Revolution! Technology has changed how we shop and the industry is having to change too. There are many jobs in retail now that would not have been around just five years ago and the industry is increasingly using Virtual Reality (VR) and Augmented Reality (AR) to market and sell goods.

Here are just a few examples of how businesses are responding:

Companies such as eBay have been looking at using VR shopping experiences and in 2016 launched a virtual reality department store in Australia.

In 2015 the New York Times reported that VR was being used to allow shoppers to experience a fashion show as a 'front row' viewer.

In 2017 Topshop used a VR waterslide at its flagship London shop on Oxford Street.

Did you know...?

The retail industry is very varied. Here are just some of the sectors:

- High street and designer fashion
- Craft and rural retail
- Ethical trade
- Food retail
- Specialist retailers e.g. jewellery, antiques, toys, books
- Online retailers e.g. eBay, Amazon, MoonPig
- Small independent retailers
- Large international organisations

Wholesale & Retail Trades Businesses in Jersey - June 2017

NO. OF EMPLOYEES	NO. OF BUSINESSES
1	490
2-5	330
6-10	120
11-20	50
21-50	30
50+	20
Total	1040

What next...?

There are a number of ways to get into the retail industry in Jersey:

- **By getting experience (this is very important):** Saturday or part-time work can be a useful way of doing this.
- **By getting some training:** Voisins have a four-year management development programme, Trackers runs an apprenticeship programme in retail at Level 2 and Level 3.
- **By getting a degree:** If you want to study at university, there are a range of options including Foundation Degrees and honours degrees.
- Find out about training by visiting: Voisins Retail Academy: voisins.com/about-us/23-retail-academy
- Retail apprenticeships in Jersey: gov.je/trackers
- Find out more about courses at university e.g. Retail Management; Interior Design, Retail Branding; Fashion Business and Promoting: ucas.com
- To find out more about careers in retail: nationalcareersservice.direct.gov.uk/job-profiles

09 STEM

STEM Careers are careers in subjects related to Science, Technology, Engineering and Maths.

It's incredibly diverse and if you were working in one of these careers you might be: designing video games; helping care for the sick or elderly; helping find a cure for cancer; finding new ways of growing crops or helping create new recipes for supermarkets. You could be working in the space industry; helping design new sports equipment or investigating alternative forms of renewable energy.

A recent report published in January 2018 suggested that the UK may need as many as 700,000 more technicians in subjects related to STEM to meet demand in the next seven years. There are lots of exciting careers in the areas of Science, Technology, Engineering and Maths and this section will tell you a little bit about these.

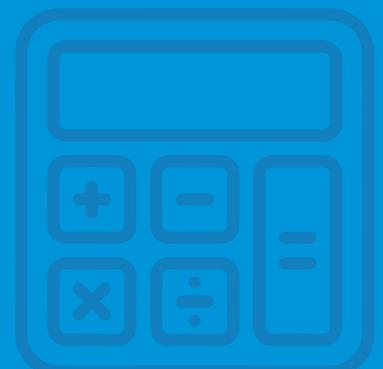
What next...?

If there are any job roles mentioned in this section that you haven't come across before, why not use the websites below to find out more about them:

- About STEM careers at:
 - wherestemcantakeyou.co.uk
 - tomorrowsengineers.org.uk
 - geolsoc.org.uk
 - rsb.org.uk/careers-and-cpd/careers/make-a-difference
- About the UK's Space Agency at:
gov.uk/government/organisations/uk-space-agency

Did you know...?

- That the UK has a Space Agency...
- ...and that in February 2018 it reported that Cornwall will host the world's first commercial deep—space communications station.
- That females are under-represented in these careers. A recent report stated that in 2016/17 females made up only 42% of all 'A' level entries in STEM subjects, with only 9.4% of entries in computing subjects.
- Nearly 40% of UK employers report difficulties recruiting staff with relevant STEM skills.



09 STEM

Which industries make up STEM careers?

→ Entertainment

e.g. designing video games, working in sound engineering in the music industry, developing special effects for films and TV.

→ Sport & fashion

e.g. sports physiotherapy, designing sports equipment, working in fashion and textile design.

→ Science and technology

e.g. working in industries related to pharmaceutical research (developing new drugs to fight diseases) or biomedical engineering (designing things like replacement joints and heart by-pass valves) or bioinformatics and computational biology (researching into things like DNA sequencing in the treatment of diseases like cancer).

→ Energy, the environment and conservation

e.g. inventing ways of reducing carbon emissions; developing new ways of sourcing energy; working for organisations that are investigating ways of protecting endangered species.

→ Construction

e.g. designing or building bridges, railways, roads, homes and parks; planning how towns and cities should look.

→ Food and culture

Producing and transporting food is the largest world-wide industry. You could work in areas such as farming or the development of new high yielding plants, developing new recipes for supermarkets, the transport and logistics involved in moving food locally and globally, investigating food allergies, food health and safety.

→ Telecoms and IT

e.g. managing and developing the technologies for mobile and internet communications.

→ Aerospace and transport

e.g. developing better ways to travel on roads, rail or in the air; helping to transport goods around the world for businesses and humanitarian organisations; working in marine engineering developing underwater remote operated vehicles.

→ Finance and accountancy

All organisations need these skills - schools, universities and college; hospitals; large and small businesses; not for profit organisations ...

→ Space industry

e.g. developing Global Positioning Systems (GPS) capabilities; military surveillance.

→ Healthcare

An aging population means there will be a greater demand for a whole range of health care professionals. This includes the development of robotics and Artificial Intelligence.



10 TRAVEL AND TOURISM

Travel and tourism is a diverse industry. There are jobs in activities and attractions; adventure tourism; sport tourism; cultural tourism and event tourism. This could include working in: gardens; country parks; heritage railways; historic buildings; wildlife attractions and zoos; museums and art galleries; places of worship; leisure and theme parks.

This is an industry for people who prefer a job that is not 9 to 5 and as travel and tourism are global industries, gaining skills and experience in the industry in Jersey can open up opportunities across the world. Skills such as the ability to relate to customers and work as part of a team are very important. Many jobs will also require specific skills and knowledge e.g. pilot qualifications, design qualifications for creating museum exhibits, marketing qualifications, knowledge about the history and culture of a particular place.

Some job roles in Jersey include:

Accountancy

Airline Crew

Chef

Digital Marketing

Electrician

Some job roles in travel and tourism

Airline Customer Service Agent

Blue Badge Tour Guide

Blogger

Cabin Crew

Conference Co-ordinator

Cruise Ship Steward

Digital Marketing

Events Manager

Event Organisers

Green Badge Tour Guide

Hotel Reservations Assistant

Hotel Revenue Manager

IT and Web Design

Museum Assistant

Pilot

10 TRAVEL AND TOURISM

Photography

Recreation worker

Resort Representative

Social Media

Tour Operator

Tourist Information Centre Staff

Travel Journalism

Travel Agent

Visitor Attractions Manager

Wedding Planner

Some figures for Jersey in 2017

727,000

Total number of visits to Jersey

413,200

Number of staying leisure visitors Jersey.

52%

First-time holiday visitors to Jersey.

£250

Average spend by visitors in Jersey.

2.9 Million

Nights visitors spent in Jersey

What next...?

- The Highlands College Tourism course is a Level 3 BTEC Diploma in Hospitality and Tourism. There are also degree, Higher National Diploma and Foundation Degree level courses at UK universities in subjects such as Adventure Tourism Management; Creative Events Management; Travel and Tourism; and International Tourism Management.
- highlands.ac.uk
- ucas.com
- Jersey's Tourism Trailblazers at: business.jersey.com/tourism-trailblazers
- Careers in the travel/tourism Industry:
- careersthatmove.co.uk
- nationalcareersservice.direct.gov.uk
- What can I do with a travel and tourism degree:
prospects.ac.uk/careers-advice

Did you know...?

- One-in-ten of all jobs worldwide are supported by the Travel and Tourism industry
wttc.org/-/media/files/reports/economic-impact-research/regions-2018/world2018.pdf
- That you can train to design interactive exhibits in museums. To find out more about this career, go to: prospects.ac.uk/job-profiles/exhibition-designer

11 CAREERS IN THE PAST, PRESENT & FUTURE

There are many things that shape an economy and therefore determine the number and type of jobs available e.g. advances in technology; the age of the local population (whether there is a predominately young or ageing population); local political decisions and public finances; global economic and political changes.

We can probably all think of jobs that were around in the past and are no longer here or are still around but in a different guise.

Nobody can predict the future, but, as well as casting an eye back to some jobs of the past, this section will provide some ideas of what experts are suggesting may influence our working world in the future and some careers that may be important in the years ahead.

Digi tech jobs around now, that didn't exist 15 years ago

User Experience Design

Sustainability Expert

Cloud Computing Services

Social Media Manager

App Developer

Off-Shore Wind Engineer

Did you know...?

- The minimum hourly wage in Jersey is currently £7.88. The trainee rate is £5.91 in year 1 and £6.90 in year 2.* (*Salary Rates at April 2019)
- The average wage in the 1850s was about 15 shillings (75p) a week. Many children got just 5 shillings (25p) a week, or less.
- A way people got up for work on time before the alarm clock was invented was to pay a 'knocker-upper' whose job was to wake people in time for an early shift in the factories of industrial England. They used a long pole or peashooter to knock against an upstairs window. Find out more at: bbc.co.uk/news/uk-england-35840393
- The number of passengers on airlines is increasing and added to the number of current pilots retiring will mean large numbers of new pilots will be needed globally over the next 20 years.
- The growth in motor vehicle technologies like electric and driverless cars means there will be a need for more diagnostic technicians working with light vehicles.
- There is an increasing elderly population e.g. by 2037 the UK elderly population (over 75) is expected to have almost doubled. Experts suggest that there will be a great demand for people trained to work with the elderly in careers related to health & social care.
- Major technological advances are driving innovation in the medical field. The use of Artificial Intelligence in areas such as early diagnosis and treatment of disease are just two of the ways scientists are making use of this technology. They are also investigating the use of robots in end of life care, e.g. helping people to stay independent for longer and having 'conversations' with elderly people to help them keep their minds sharp.

11 CAREERS IN THE PAST, PRESENT & FUTURE

- The number of passengers on airlines is increasing and added to the number of current pilots retiring will mean large numbers of new pilots will be needed globally over the next 20 years.
- The entrepreneur Richard Branson has invested in the company called 'Hyperloop One' which is aiming to develop the world's first 'hyperloop'. The hyperloop is a means of transport which they hope will be able to move at hundreds of miles an hour. Hyperloop One recently tested a prototype pod in the Nevada desert which reached 310 kph (192 miles per hour). Students from the University of Edinburgh were selected to build a prototype of a hyperloop capsule and were racing this against prototypes from around the world. The students from Edinburgh were the only UK representatives.

Numbers on past, present & future careers

500,000 +

The number of new pilots it is estimated will be needed globally over the next 20 years.

157,000

The number of new apprentices in construction trades e.g. joiners, bricklayers and electricians that will be needed in the UK by 2021.

700,000

The number of technician in subjects related to STEM that will be needed in the UK to meet demand by 2024.

Skills gaps and future careers

Experts predict there will be more people needed in careers related to Science, Technology, Engineering and Maths (STEM careers). A recent report suggested that the UK may need as many as 700,000 more technicians in subjects related to STEM to meet demand in the next 6 to 7 years. Some of these areas are:

Careers in climate change/ energy

Nanotechnology (e.g. developing light & strong materials for use in telecommunications, aviation)

Space technology (e.g. developing satellites for global positioning systems, telecommunications)

Civil & water engineering (e.g. designing flood defences, desalination, plants).

Agritech

Creative and digital

Green economy

Hi-tech engineering



SKILLS JERSEY EVENTS

Higher Education Fair (March)	Jersey Skills Show (October)
<p>This event gives you the opportunity to talk to exhibitors on over 60 stands; ranging from universities (from the UK, on-Island and overseas), training providers, gap-year specialists.</p>	<p>At the Jersey Skills Show, we aim to bring skills to life and give attendees the chance to learn about education, training and opportunities in an engaging and inspiring way.</p>

CONTACT US

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