



Health and Social Care

2nd largest sector in Suffolk
employing around
53,000 people



In demand!

- Midwives • Care assistants • Paramedics • Social workers • Orthoptists • Dental nurses • Bioscientists • Mental health workers • Radiographers... and more!

Do you have what it takes? Skills and qualities

- Communication • Team working
- Problem solving • Calm under pressure
- Initiative • Flexibility • Compassion

Science Technology Engineering Maths

Study a STEM subject to keep your options open: biology • chemistry • maths • physics

Useful subjects

- English • Maths • Science • Biology
- Physics • Chemistry • Psychology • Sociology • ICT

What could you earn?*

Care worker	£14,050**
Dental nurse	£17,300
Medical secretary	£21,400
Social worker	£31,300**
Nurse	£31,950
Midwife	£36,250
Pharmacist	£42,200
Doctor	£74,900

Suffolk employers

NHS including West Suffolk Hospital

Norfolk and Suffolk NHS Foundation Trust

and many health centres

Health East

Suffolk County Council

Suffolk Community Healthcare

Various care homes



The future?

- Genetic engineering
- Self-monitoring
- Bionic body parts
- Care-bots
- Predictive medicine
- More private healthcare

Find out more

- www.icanbea.org.uk
- www.healthcareers.nhs.uk
- www.nmas.ac.uk
- www.skillsforcare.org.uk
- www.wanttobeadoctor.co.uk

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Suffolk
County Council

* ASHE full-time median income **NMDS-SC ¹ Business Register of Employment Survey
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Creative Industries

Major growth sector for Suffolk

High profile companies in gaming and advertising and more

- great for new digital creative companies

One third of creative jobs in Suffolk are in Ipswich



WANTED!
More girls to join this sector



In demand!

- 3D , SFX and VFX (special effects) experts
 - Games designers
 - Digital marketers
 - Animators • Film and TV production roles...
- and more!

Do you have what it takes? Skills and qualities

- Creativity • Communication • Problem solving
- ICT • Attention to detail • Team working
- Design • Presentation skills • Planning & organisation • Leadership • Flexibility
- Business knowledge • Innovation

Useful subjects

- Maths • Design and technology • Science • English • Physics
• Art • Media • Business awareness • Psychology • Chemistry • History • Music

What could you earn?*

Photographer	£25,200
Graphic designer	£25,000
TV, video and audio engineers	£27,150
Clothing designer	£29,700
Web designer	£29,900
Software developer	£39,650
IT systems architect	£43,350
Marketing and sales director	£75,250

Suffolk employers

The Music Sales Group
Screen Suffolk
New Wolsey Theatre
Tilted Productions
White Space
Pacitti Company
The Mix
Jacob bailey



Find out more

- www.icanbea.org.uk
- www.skillset.org/careers
- www.creative-choices.co.uk
- www.bubble-jobs.co.uk
- www.thetechpartnership.com/tech-future-careers





Manufacturing and Engineering

WANTED!
More girls
to join this
sector

Suffolk

our engineering strengths

- precision engineering
- clean tech → agri-tech
- food processing machinery
- advanced composites
- advanced electronics
- motorsport → marine
- aviation → bio-med technology

UK needs...

- **182,000 people** with engineering skills each year to 2022¹
- Double the number of young people studying **GCSE physics**
- More students studying **physics A level**
- Double the number of **graduates and apprentices** entering engineering professions

Do you have what it takes? Skills and qualities

- Communication • Problem solving • Team working
- Leadership • Attention to detail • Creativity
- Design • Maths • ICT • Languages

Did you know?

You can keep your future career options open by continuing to study a **STEM** subject:
Science • technology • engineering • maths

Useful subjects

English • Maths • Physics • Chemistry

• Design & technology • Science • ICT • Languages • Business studies

What could you earn?*

Metal working machine operative	£21,350
Electroplater	£22,400
Production technician	£26,300
Precision instrument maker	£25,150
Motor vehicle assembler	£31,950
Engineering technician	£35,050
Design engineer	£39,150
Electronics engineer	£46,500
Mechanical engineer	£41,750

Suffolk employers

The MEL Group

Philips Avent

Vitec Group

Aponic

Delphi

Thales

Cothem

Bosch

Brafe

Herga

Find out more

- www.icanbea.org.uk
- www.tomorrowseengineers.org.uk
- www.futuremorph.org
- www.semta.org.uk/careers
- www.science-girl-thing.eu



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Agricultural Science and Food

Wanted
 Young people needed to join the food and drink sector!
 Over one third of the 400,000 strong workforce is due to retire by 2020!

Suffolk –
 home to around
5,000
 food, drink and agriculture companies

Be a...

- Food technologist • Chocolatier • Herdsperson
- Butcher • Marketing professional • Quality technician
- Design engineer • Microbial scientist
- Assistant farm manager • Production planner
- Environmental technologist

Do you have what it takes? Skills and qualities

- Communication • Problem solving • Team working
- Business knowledge • People management
- Presentation skills • Attention to detail
- Creativity • Maths • ICT • Reliability • Design

Did you know?

There are over 30 different industries in food and drink...

bakery • fruit & veg • pet food • meat • soft drinks • dairy • confectionery and more!

Useful subjects

Business studies • Biology • English

- Maths • Chemistry • Design & technology • ICT • Physics
- Science • Art • Languages

What could you earn?*

Food production operative	£18,450
Butcher	£19,250
Farmer	£25,900
Quality assurance technician	£25,700
Production technician	£29,550
Biological scientist	£36,850
Production engineer	£38,650

Suffolk employers
 Farms across the county
 Earnest Doe
 Gressingham
 Greene King
 British Sugar
 Muntons
 Adnams
 Copella
 Agricola
 Bird's Eye
 Pepsico
 Aspalls



Find out more
 → www.icanbea.org.uk
 → www.tastycareers.org.uk
 → www.brightcrop.org.uk
 → www.tastesuccess.co.uk
 → www.lantra.co.uk
 → www.growcareers.info



Energy

East of England

2nd largest centre for energy in the UK

- oil and gas
- offshore and onshore wind energy
- nuclear
- biomass-fired power generation



Lowestoft and Great Yarmouth
- largest cluster of energy businesses in England

1400 direct jobs
1000 related jobs¹

Do you have what it takes? Skills and qualities

- Communication • Problem solving • Team working
- Leadership • Attention to detail • Maths
- Reliability • ICT • Design • Innovation • Analytical

Want to help reduce climate change?
Green energy jobs are on the rise

Useful subjects

Maths • Physics • Chemistry

- Design & technology • English • ICT • Science
- Business studies • Languages

What could you earn?*

Environmental associate professional	£22,300
Wind turbine technician	£30,400
Energy plant operative	£31,450
Engineering technician	£35,050
Design engineer	£39,150
Mechanical engineer	£41,750
Research and development manager	£44,200
Electronics engineer	£46,500

Suffolk employers

Orbis Energy
EDF Energy
Siemens
Flow Energy
UK Power Networks
Smartest Energy
HavenPower
Treatt
SSE

Find out more

- www.icanbea.org.uk
- www.thinkpowersector.co.uk
- www.myoilandgascareer.com
- www.futuremorph.org
- www.bconstructive.co.uk
- www.semta.org.uk/careers

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Financial Services

Suffolk –
home to one of the largest finance and insurance sectors in the UK outside London

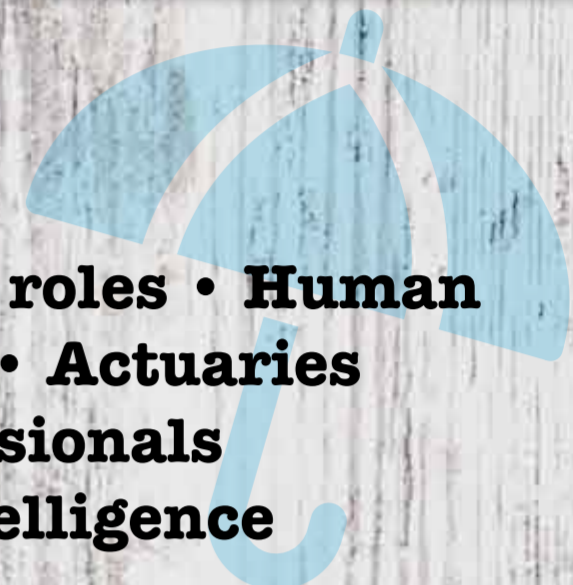
New technology: new jobs

- artificial intelligence
- cyber security
- big data management
- e-commerce
- environmental



In demand!

- Sales and customer service roles
- Human resources (HR)
- Managers
- Actuaries
- Accountants
- Legal professionals
- ICT systems
- Business intelligence



Do you have what it takes? Skills and qualities

- Communication
- Problem solving
- Maths
- Business knowledge
- Customer awareness
- ICT
- Analytical
- Presentation skills
- Negotiation skills
- Leadership
- Team working
- Initiative
- Languages



Useful subjects

- Maths • English • Business studies
- Modern languages
 - ICT
 - Sociology
 - Psychology

What could you earn?*

Contact centre worker	£17,650
Sales administrator	£20,450
Pensions clerk	£21,600
Finance officer	£24,500
Customer service manager	£27,400
Investment analyst	£34,700
Financial accounts manager	£37,300
Chartered accountant	£38,400
IT systems architect	£44,850

Suffolk employers

LV
AXA
Lovell Blake
KPMG
Hastings Direct
Willis Towers Watson
Ipswich Building Society
RSM



Find out more

- www.icanbea.org.uk
- www.discoverrisk.co.uk
- www.prospects.ac.uk/jobs-and-work-experience/job-sectors
- www.icould.com/stories/job-types





Travel and Tourism

People come to Suffolk for...

- Food & drink • Festivals
- Maritime activities
- Heritage coastline and National Park • Sport... and more!



Tourism sector in Suffolk supports more than 31,000 jobs and is worth around £1.85bn to the local economy¹

All change!

What's changing in the tourism industry?

- more accommodation options • online apps
- growing customer power • digital marketing
- high demand for graduates in leadership and management roles • need to attract more visitors
- extended season • better quality and more permanent jobs



Do you have what it takes? Skills and qualities

- Communication • Planning & organisation
- Creativity • Customer awareness • Team working • Problem solving • Leadership
- English • Reliability • Enthusiasm • Languages
- Flexibility • Initiative

1.3 million people needed in hospitality & tourism between 2014 and 2024²

Useful subjects

- English • Art & design • Business studies
• Languages • Drama • Music • History • Sociology • Maths

What could you earn?*

Housekeeping supervisor	£19,000
Artist	£26,550
Travel agent	£20,650
Museum curator	£26,700
Exhibition organiser	£27,150
Marketing officer	£27,800
Arts officer	£37,600

Suffolk employers

- National Trust
- CenterParcs
- Pleasurewood Hills
- Newmarket Racecourse
- Snape Maltings
- Hoseasons
- Warner Holidays
- Theatre Royal Bury St Edmunds
- Ipswich Town Football Club



Find out more

- www.icanbea.org.uk
- www.careerscope.uk.net
- www.hospitalityguild.co.uk
- www.ccskills.org.uk/careers/advice

* ASHE full-time median income ¹ Invest in Suffolk ² People 1st
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Sales and Retail

Get into retail

- apprenticeship
- skills and experience
- graduate scheme

Largest private sector employer in the UK



New roles in retail

- E-commerce merchandiser
- Customer relationship manager
- Digital marketer
- User experience (UX) designer
- App developer
- Customer data manager
- Cyber security expert
- Social media manager

Do you have what it takes? Skills and qualities

- Communication
- Team working
- Customer awareness
- Problem solving
- Leadership
- Planning & organisation
- Reliability
- Business knowledge
- ICT
- Design
- Creativity
- English
- Maths
- Enthusiasm
- Initiative

Useful subjects

- Maths • English • Languages
- Business studies
 - ICT
 - Design & technology
 - Art & design
 - Psychology
 - Sociology

What could you earn? *

Check-out operator	£14,700
Sales assistant	£16,100
Window dresser	£23,000
Retail manager	£27,100
Clothing designer	£28,900
Buyer	£31,250
Brand developer	£37,000
Marketing and sales director	£75,000

Suffolk employers

Top department store chains such as John Lewis and Debenhams

Coe's

The Arc

Snapé Maltings

Bridge Farm Barns

Sailmakers Shopping Centre

Glasswells

Discount retailers

Supermarkets such as Sainsbury's, Aldi, Co-op

Find out more

- www.icanbea.org.uk
- www.prospects.ac.uk/jobs-and-work-experience/job-sectors/retail
- www.careersbox.co.uk
- www.fashionretailacademy.ac.uk



Construction and the Built Environment

The future...

- Intelligent buildings
- 'Green' skills
- Offsite construction

Between 2016 and 2020
3,910 new jobs
 each year in the
 East of England

46,420 new jobs
 each year across the UK¹

In demand!

- Electrical trades • Plumbers and heating & ventilation engineers • Painters and decorators
- Labourers • Civil engineers² • Technicians
- IT specialists... and more !

Do you have what it takes? Skills and qualities

- Problem solving • Communication
- Team working • Maths • Attention to detail
- Planning & organisation • Leadership
- Reliability

Useful subjects

- Maths • Physics • Design & technology**
• Geography • ICT • Science • Chemistry • Business studies

What could you earn?*

Painter and decorator	£23,450
Bricklayer	£24,650
Carpenter or joiner	£25,700
Plumbing / heating and ventilation engineer	£28,550
Electrician	£30,750
Scaffolder	£32,150
Architect	£36,450
Civil engineer	£40,850

Suffolk employers

Dayle Bayliss Associates
 Persimmon Homes
 RG Carter
 Breheny
 Concertus
 Robert Norman Construction
 Needhams Building Contractors
 Barnes Construction
 Jackson Civil Engineering



117,000
 new homes
 needed across
 Suffolk and
 Norfolk by
 2026

Find out more

- www.icanbea.org.uk
- www.goconstruct.org
- www.the-nhtg.org.uk
- www.summitskills.org.uk/building-services-apprenticeships-careers



* ASHE full-time median income ¹ CITB ² CITB—East of England
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Bio Tech

Suffolk
home to growing number of companies including:

- equine animal health
- agri-tech
- pharmaceuticals
- medical technologies

What are life sciences?

pharmacology
(drugs and chemistry)

med tech
(hi-tech equipment)

bio tech
(microbiology)

Work in:

- **Bioinformatics** (connecting computing, biology and medicine)
- **Food and energy security**
- **Antimicrobial resistance**
- **Research**
- **Genetics**
- **Food development**
- **Drugs research**
- **Medical equipment development**

1000s of new jobs to be created over the next few years

Do you have what it takes?
Skills and qualities

- **Problem solving**
- **Communication**
- **Attention to detail**
- **Maths**
- **Negotiation skills**
- **Team working**
- **ICT**
- **Reliability**
- **Analytical**
- **Innovation**

Useful subjects

- **Maths**
- **Biology**
- **Chemistry**
- **Physics**
- **English**
- **ICT**
- **Science**
- **Business studies**
- **Design & technology**
- **Psychology**

What could you earn?*

Lab technician	£20,700
Biological scientist	£36,850
Design & development engineer	£39,150
Research professional	£40,650
Pharmacist	£42,200

Suffolk employers

BASF

The National Stud

Nestor

Animal Health Trust

Genzyme

University of Suffolk

Sanofi

Envigo



Find out more

- www.icanbea.org.uk
- www.rsb.org.uk
- www.rsc.org/careers/future
- www.futuremorph.org
- www.microbiologysociety.org/education/careers.cfm



* ASHE full-time median income
Produced by Suffolk County Council, Skills Team, Endeavour House, Russell Road, Ipswich IP12BX. 01473 265265



ICT and Computing

UK tech sector

More than 1.7 million new jobs over next 10 years¹ especially
big data • systems support
• cyber security

Major growth sector for Suffolk

More jobs in:

- telecommunications
- digital marketing
- financial technology
- networking
- photonics



WANTED!
More girls to join this sector

In demand!

- Big data analysts • Systems support • Cyber security specialists • Software programmers • User experience (UX) designers • 3D, SFX and VFX (special effects) experts
- Games designers • Digital marketers... and more !

Do you have what it takes? Skills and qualities

- Communication • Problem solving • ICT • Creativity • Attention to detail • Team working
- Design • Planning & organisation
- Leadership • Flexibility
- Business knowledge
- Innovation

Useful subjects

Maths

- Design & technology • Science
- English • Physics • Media • Business awareness • Psychology • Chemistry
- Art • Music

What could you earn?*

Graphic designer	£25,350
IT technician	£28,800
TV, video and audio engineers	£29,900
Web designer	£30,400
Telecommunications engineer	£32,700
Computer games designer	£40,700
Software developer	£40,700
IT systems architect	£44,850

Suffolk employers

- | | |
|-------|--------|
| BT | Huawei |
| Cisco | Itron |
| 3M | Htk |
| Nokia | |
| O2 | |



Find out more

- www.icanbea.org.uk
- www.skillset.org/careers
- www.bubble-jobs.co.uk
- www.thetechpartnership.com/tech-future-careers



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Suffolk County Council



Ports and Logistics

New technologies mean jobs are changing:

- global (GPS) tracking of goods and vehicles
- electronic signature scanning
- traffic monitoring
- better security
- fuel tracking
- robotic warehouse pickers
- deliveries by drones
- driverless technology

Workers will need to be multi-skilled



Useful subjects

Maths • Physics • Design & technology

• English • Science • ICT • Languages • Business studies

What could you earn?*

Large goods vehicle driver	£27,950
Fork lift truck driver	£21,150
Postal worker	£24,670
Importer/exporter	£29,500
Storage and warehouse manager	£30,150
Distribution manager	£37,450
Ship's officer	£38,400
Aircraft pilot	£86,850

Suffolk employers

The Port of Felixstowe (Hutchison Port Holdings)
 CEVA Logistics
 Damco
 Associated British Ports
 China Shipping
 DFDS
 XPO
 Mediterranean Shipping Company

Suffolk

Ports and logistics employs around **16,000** workers¹.

More than **one in ten** jobs in Suffolk Coastal is in logistics².

Wanted!

People with the right skills to work in driving, ICT, warehouse management and customer service.

Do you have what it takes? Skills and qualities

- Problem solving • Communication
- Team working • Customer service • Maths
- Attention to detail • ICT • Planning & organisation • Leadership • Reliability
- Business knowledge • Initiative
- Innovation • Negotiation skills



In demand!

150,000 drivers needed by 2020. There's a severe shortage of LGV drivers in the UK³.

Find out more

- www.icanbea.org.uk
- www.careersatsea.org
- www.ciltuk.org.uk/Careers/CareersInformation

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Suffolk County Council