



THE UNIVERSITY of EDINBURGH
Careers Service

Planning your career: **After Your Maths MSc**

This session will begin at **13:00** (UK time).

To join this session you will need the following:

- Strong internet access (broadband connection highly recommended if possible)
- For the best experience, use Google Chrome
- We recommend closing all programmes except for the browser you are using for your Collaborate session.
- Headphones (recommended)

This session will be recorded.

Inspiring futures





THE UNIVERSITY of EDINBURGH
Careers Service

Planning your career: **After Your Maths MSc**

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Careers Consultant

Schools of Engineering & Mathematics



Before we start

Can you hear the presenter talking?

- Please select yes/no on the on-screen poll, or type your answer in the chat box
- If you can't hear, try leaving and re-joining the session – Google Chrome is the recommended browser.



Asking Questions

Etiquette



Please mute your microphone

You can type a question or comment at any time in the text chat.



Identity



Why is my name displayed?

Your name is displayed to the facilitator and the other students and you are able to see their names. This is to help keep the learning space secure, support engagement, and run the session effectively. It will not be visible on any published recording.

Do I have to turn my video on?

No.



Recording

- This session will now be recorded. Any further information that you provide during a session is optional and in doing so you give us consent to process this information.
- These sessions will be stored by the University of Edinburgh for one year and published on our website and Media Hopper during that time.
- The text chat is recorded but will not be visible on the published recording.
- By taking part in a session you give us your consent to process any information you provide during it.
- We will tell you when we stop recording.



Aims & objectives

- Introducing career planning
- Review what some MSc graduates do
- Explain how recruitment works in the UK
- Visas
- Overseas recruitment
- Describe how the Careers Service can help



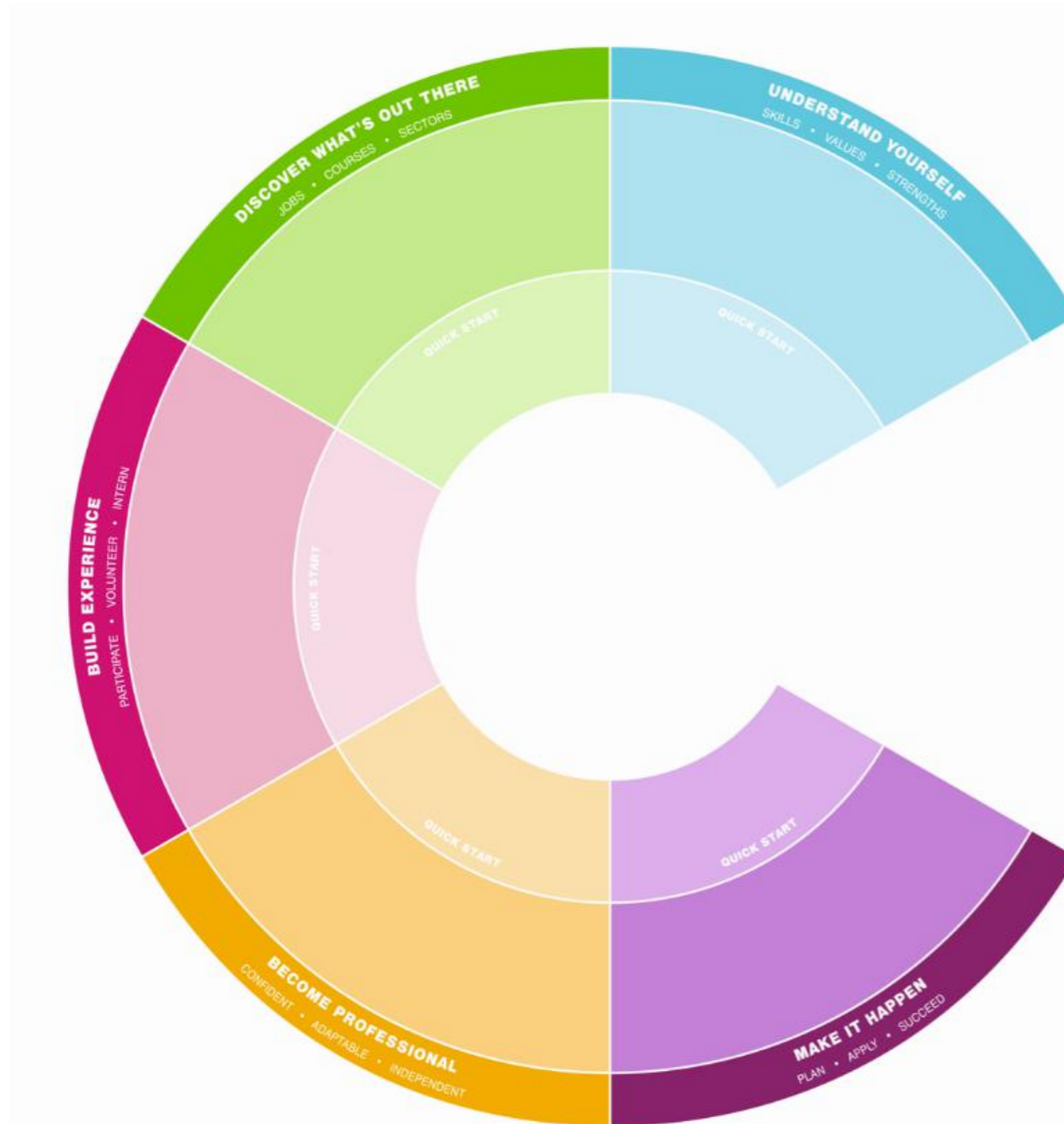
Career planning *process* – a model



“DOTS Model”, Law & Watts (1977)



Careers Compass – chart your progress

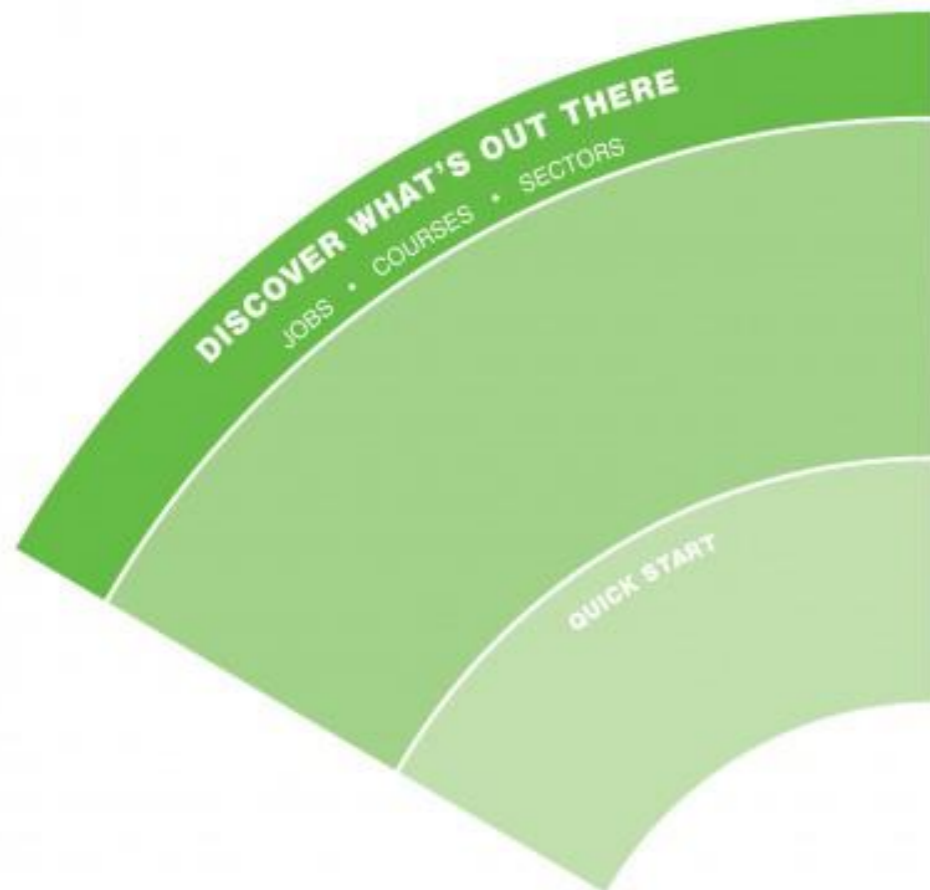


- **Understand yourself** – skills, values, strengths
- **Discover what's out there** – jobs, courses, sectors
- **Build experience** – participate, volunteer, intern
- **Become professional** – confident, adaptable, independent
- **Make it happen** – plan, apply, succeed



Of most interest?

**Discover what's out there:
jobs, courses, sectors**



**Make it happen: plan,
apply, succeed**

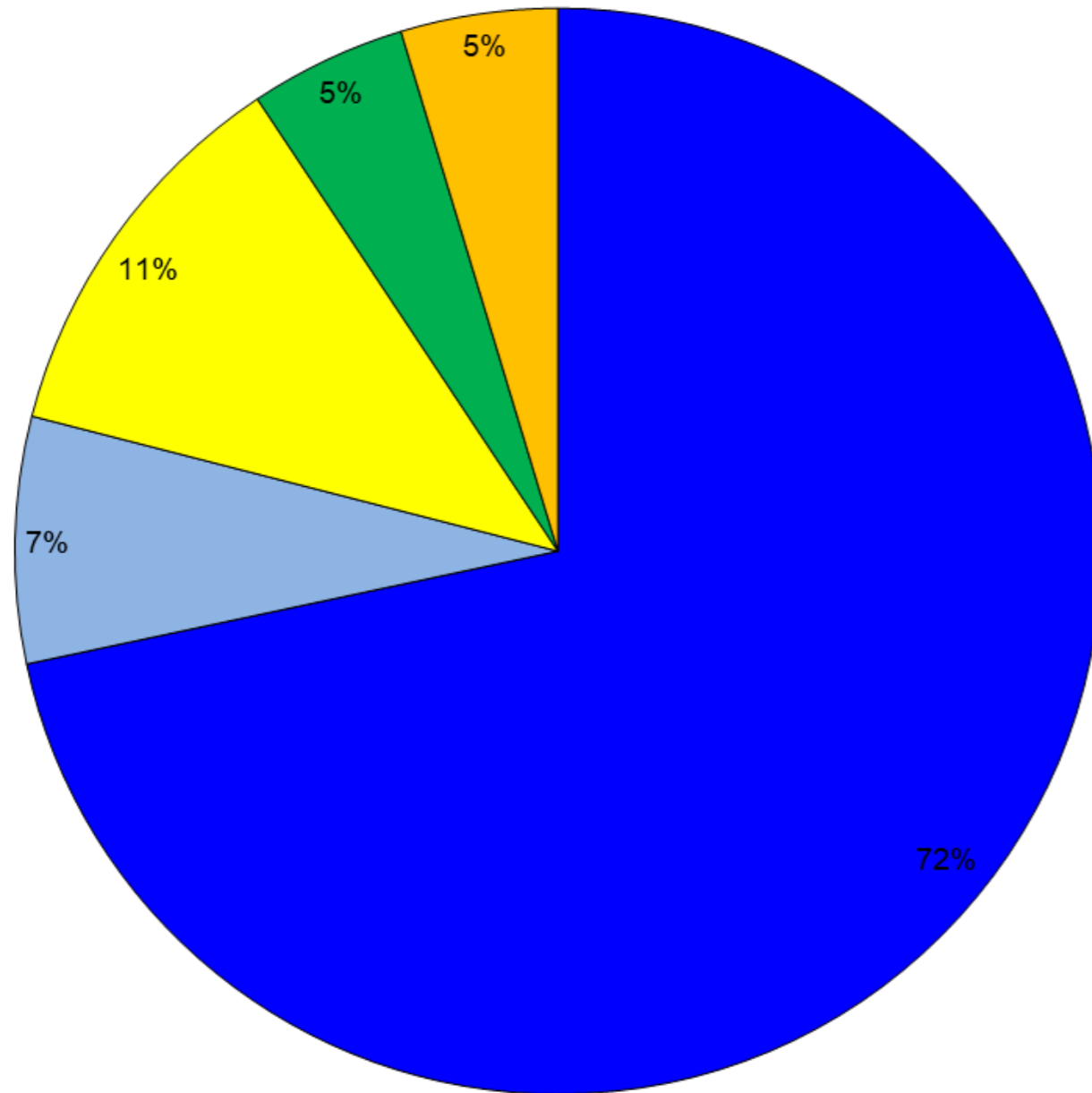


<https://www.ed.ac.uk/careers/students/undergraduates/careers-compass/student-guide>





What Do Edinburgh Graduates Do? Postgraduate (Taught) Mathematics DLHE: 2011/12 - 2016/17



Destination of known graduates
six months on:

- Employment (incl. volunteering/unpaid)
- Due to start a job in the next month
- Further study / Training
- Time out / Something else / Not available
- Seeking Employment / Study / Training

Data = 300 graduates
(44.8% response rate)

- Financial Modelling & Optimization
- Financial Mathematics
- Mathematics
- Operational Research

Please help us when your time comes!

15 months after graduation – whatever your circumstances!



**GRADUATE
OUTCOMES**

Read more at :

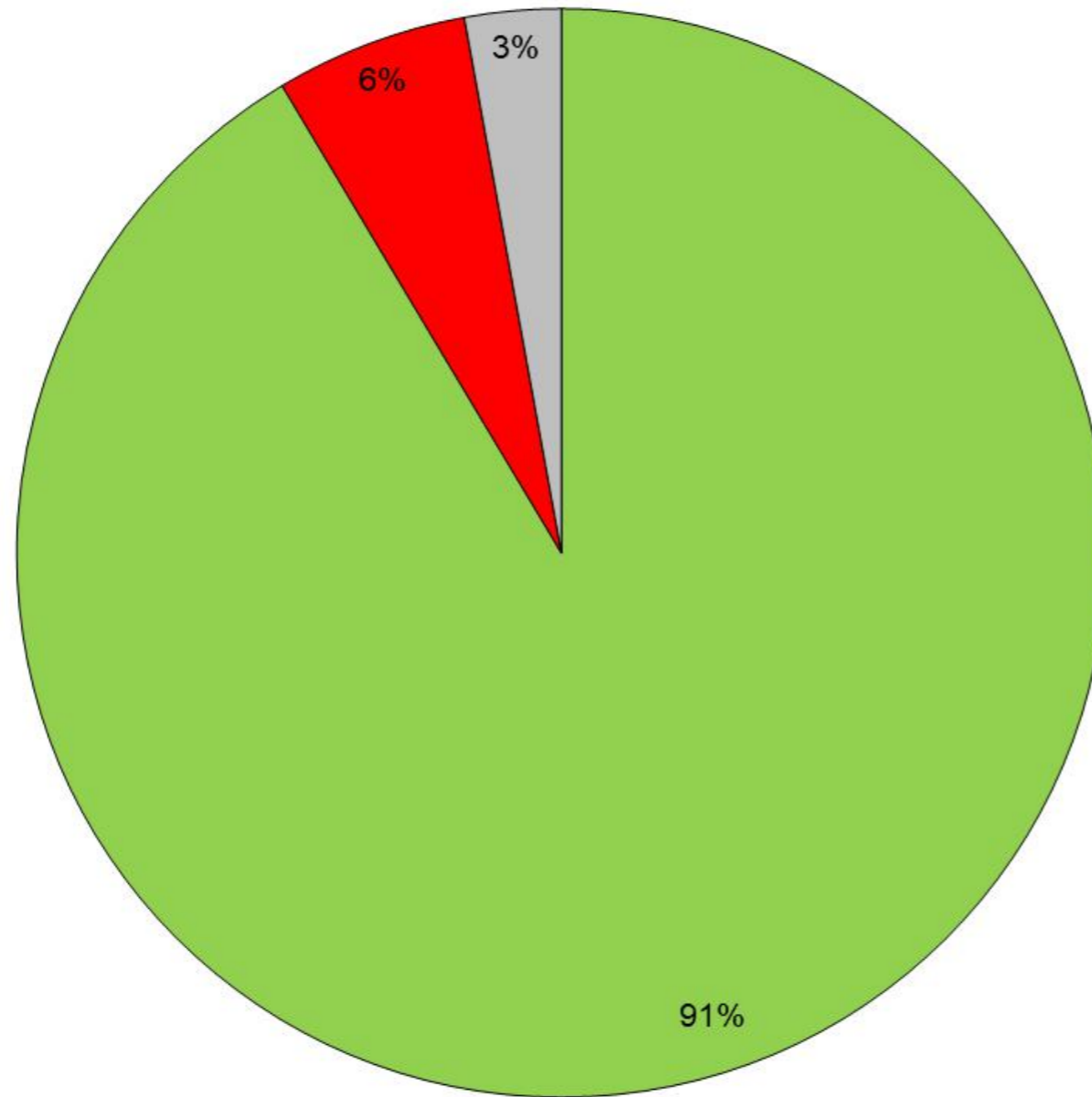
<https://www.ed.ac.uk/careers/graduates/graduate-outcomes-survey>





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What Do Edinburgh Graduates Do? Postgraduate (Taught) Mathematics Employed Graduates: 2011/12 - 2016/17



Job level of known graduates
in employment, six months on:

- Graduate
- Non-graduate
- Unknown

Data = 210 graduates

- Computational Mathematical Finance
- Financial Modelling & Optimization
- Financial Mathematics
- Mathematics
- Operational Research
- Statistics & OR

Common occupational areas

Of 210 PGT Maths Graduates in Employment, 2011/12 to 2016/17:

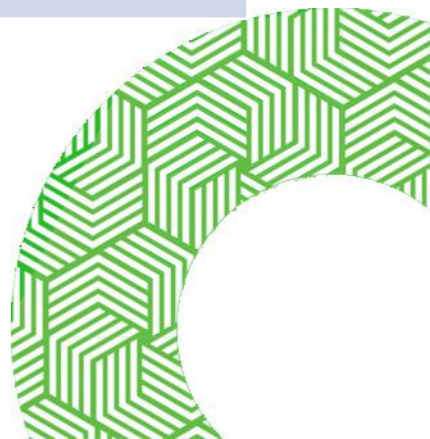
SOC Code	Occupational Area	No. Graduates
21360	Programmers & software development consultants	12
24230	Management consultants & business analysts	19
24253	Statisticians	10
24259	Actuaries, economists & statisticians n.e.c.	9
24269	Researchers n.e.c.	11
35340	Finance & investment analysts and advisers	43
35390	Business & related associate professionals, n.e.c.	41



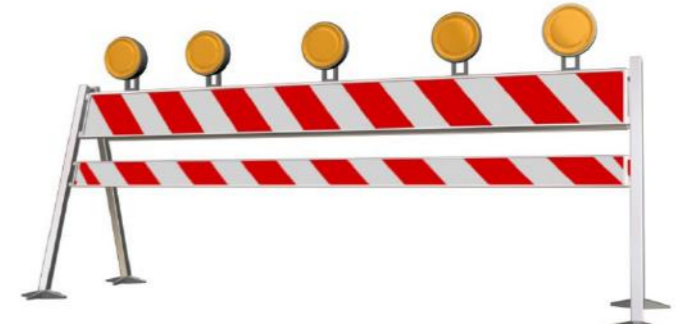
Mobility and emigration

210 PGT Maths Graduates in Employment, 2011/12 to 2016/17

From	Working in				
	UK	EU	International	Unspecified	Total
UK graduates	26 (49%)	1 (2%)	1 (2%)	25 (47%)	53
EU graduates	27 (44%)	22 (36%)	0 (0%)	12 (20%)	61
International graduates	10 (10%)	1 (1%)	73 (76%)	12 (13%)	96
Total	63 (30%)	24 (11%)	74 (35%)	49 (23%)	210



Barriers to employment



- **Time** – to devote to the job hunt / early deadlines
- Competition (global)
- Lack of job/financial knowledge
- Lack of research into potential employers
- Too many (poor) applications: “shotgun approach”
- For international students:
 - English language: **need a higher level of English to work here than to study (almost native standard) be realistic!**
 - Visas/work permits



...and some possible solutions!



- Need to understand UK recruitment: **when and how** do employers recruit?
- **Research** areas of interest: occupations e.g. accountant (several types), actuary, tax adviser, investment banker (many roles), IT, data analyst etc.
- **Research** and speak to employers – e.g. fairs/presentations.
- Improve your business awareness – read the business news (briefly) daily e.g. BBC, FT.
- Specifically for investment banking/markets, join EUTIC.

Other student societies may also allow you to develop skills that employers value



A word on Covid-19 / labour market

- Lockdown has impacted: the UK is in recession
- Brexit also adds to uncertainty
- ...BUT **there are graduate jobs!** (Just fewer than before)



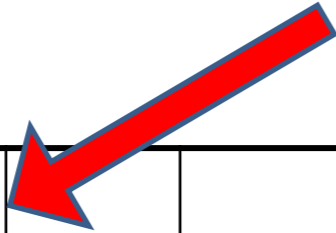
“The graduate labour market has suffered significant damage, particularly in the arts - which may be the worst-affected sector in the UK. But **things are far worse for non-graduates. Many key graduate employment sectors - in health, social care, IT, finance - have been much less affected than many other areas of the economy.** Retail, hospitality, travel and accommodation employers have all taken long term hits.”

Charlie Ball, Prospects Head of HE Intelligence
Prospects Luminate, September 2020

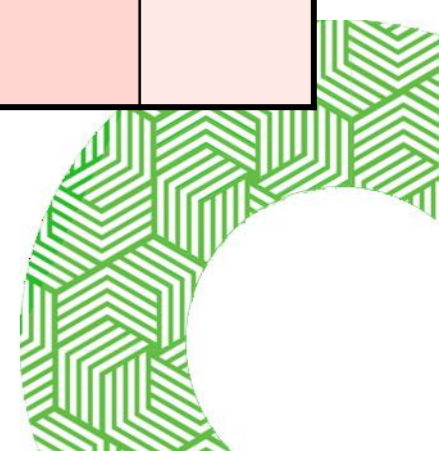


When do big UK employers recruit? (a.k.a. "The Milkround")

N.B. Closing dates for finance/consulting can be early (from late October to Christmas)



	S	O	N	D	J	F	M	A	M	J	J	A
Jobs Advertised	Light Green	Dark Green	Very Dark Green	Very Dark Green	Dark Green	Light Green	Light Green	Light Green	Dark Green	Light Green	Light Green	Light Green
Interviews	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue
Assess. Centres	Light Red	Light Red	Dark Red	Dark Red	Dark Red	Dark Red	Dark Red	Light Red	Light Red	Light Red	Light Red	Light Red



Apply now or next autumn?

Now...

- 2 chances to apply: have a 'practice go' first?
- Start next summer if successful (= no gap)
- Much less pressure than waiting until Autumn 2021 with time running out on visa

BUT

- Are you really ready?!

Next autumn...

- Time to better understand MSc subject
- Time to improve business awareness
- Time to improve English
- Time to research preferred role and recruiters

BUT

- May need to take a year out
- Visa expires



More about recruitment process: detail

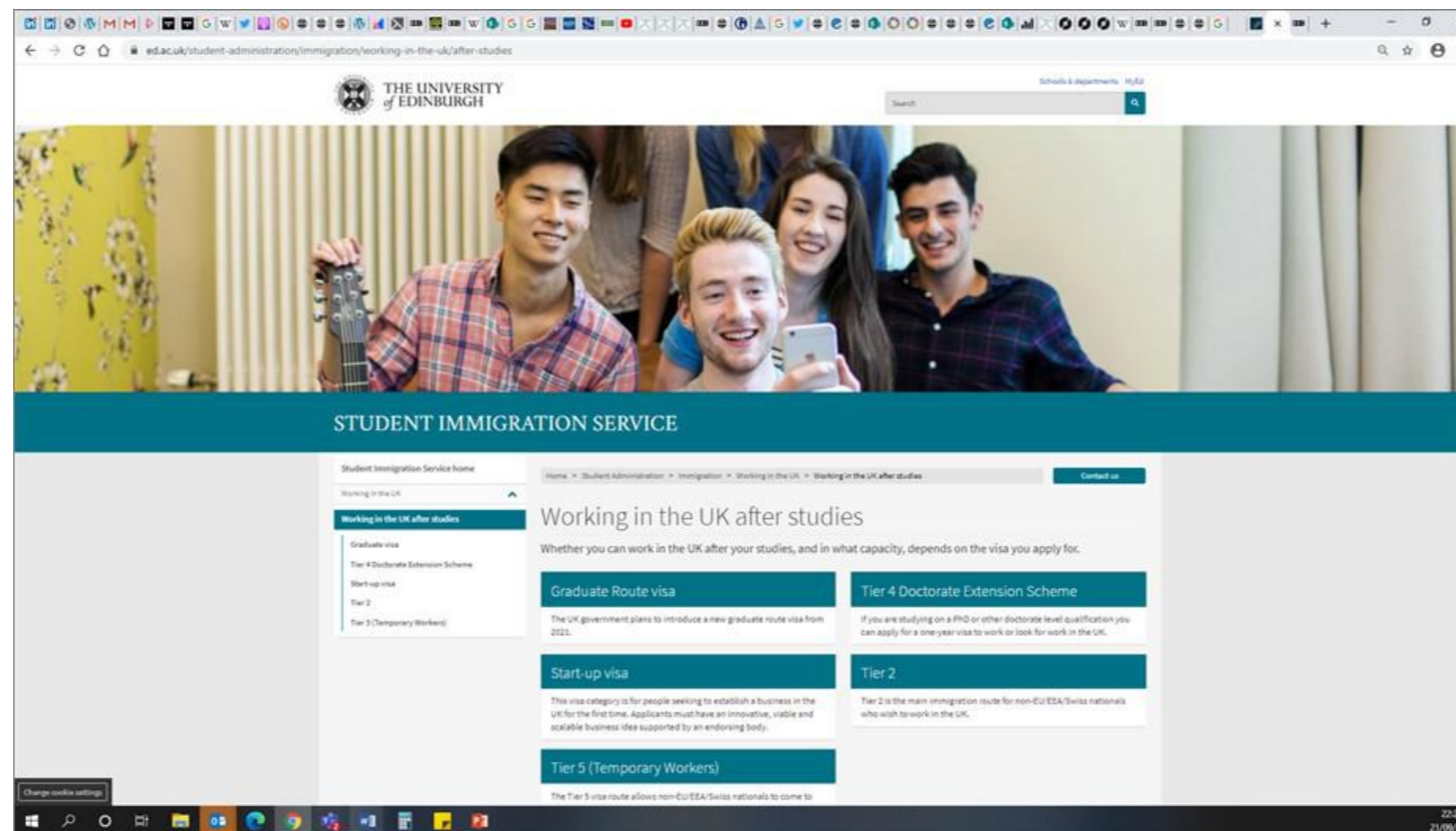
The screenshot shows a web browser window displaying the 'Careers Service' website. The URL in the address bar is <https://www.ed.ac.uk/careers/students/postgraduates/pgts/make-it-happen/understand-the-recruitment-process>. The page has a purple header with the 'Careers Service' logo. A navigation menu on the left includes 'Students', 'Postgraduates', 'Taught postgraduates', and 'Make it happen'. Under 'Make it happen', the 'Understand the recruitment process' link is highlighted. The main content area features a breadcrumb trail: 'Home > Careers > Students > Postgraduates > Taught postgraduates > Make it happen > Understand the recruitment process'. The page title is 'Understand the recruitment process'. The text explains that understanding the typical graduate recruitment process helps with timescales and confidence. It notes that while many think of graduate training schemes, many graduates actually get jobs in large, medium, and smaller organizations through direct entry roles. The page lists various stages of the recruitment process, such as online application forms, games-based assessments, selection tests, and interviews. It also provides links to related guides like 'How to write your CV' and 'How to prepare for interview'. A 'Contact us' button is visible in the top right corner of the content area.

<https://www.ed.ac.uk/careers/students/postgraduates/pgts/make-it-happen/understand-the-recruitment-process>



A word on visas

- **Information is power!** Keep up-to-date (changes due...)



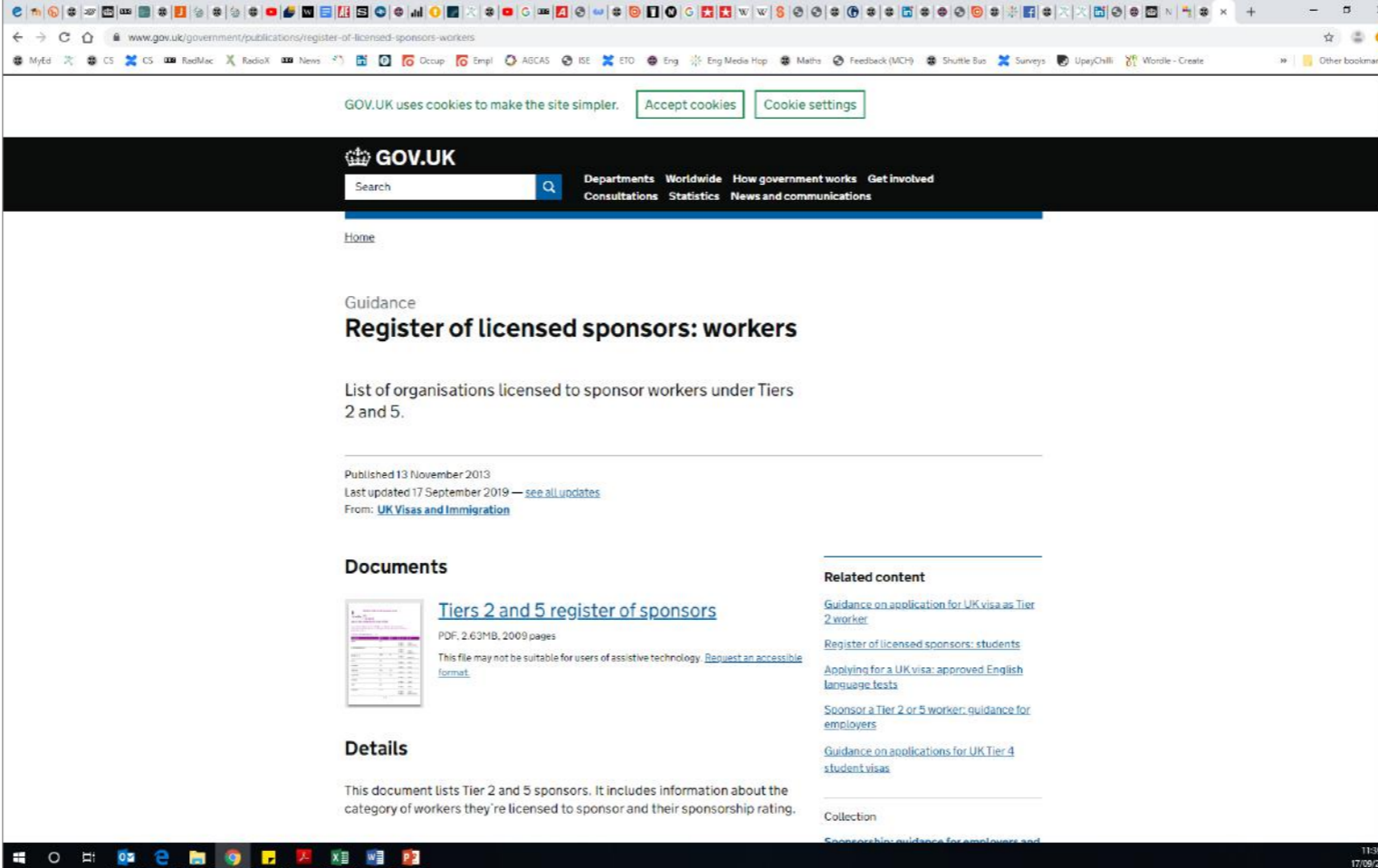
- Use the Student Immigration Service
- Understand the system – may need to educate recruiters!

www.ed.ac.uk/student-administration/immigration/working-in-the-uk/after-studies



Recruiters who sponsor?

- There is a 'list' of those who have...



The screenshot shows the GOV.UK website page for the 'Register of licensed sponsors: workers'. The page title is 'Register of licensed sponsors: workers' and it describes a 'List of organisations licensed to sponsor workers under Tiers 2 and 5'. The page was published on 13 November 2013 and last updated on 17 September 2019. It includes a 'Documents' section with a PDF titled 'Tiers 2 and 5 register of sponsors' (2.63MB, 2009 pages) and a 'Details' section stating that the document lists Tier 2 and 5 sponsors and their sponsorship ratings. The page also features a 'Related content' section with links to various immigration-related guidance documents.

- But how helpful is it?

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www.gov.uk/government/publications/register-of-licensed-sponsors-workers

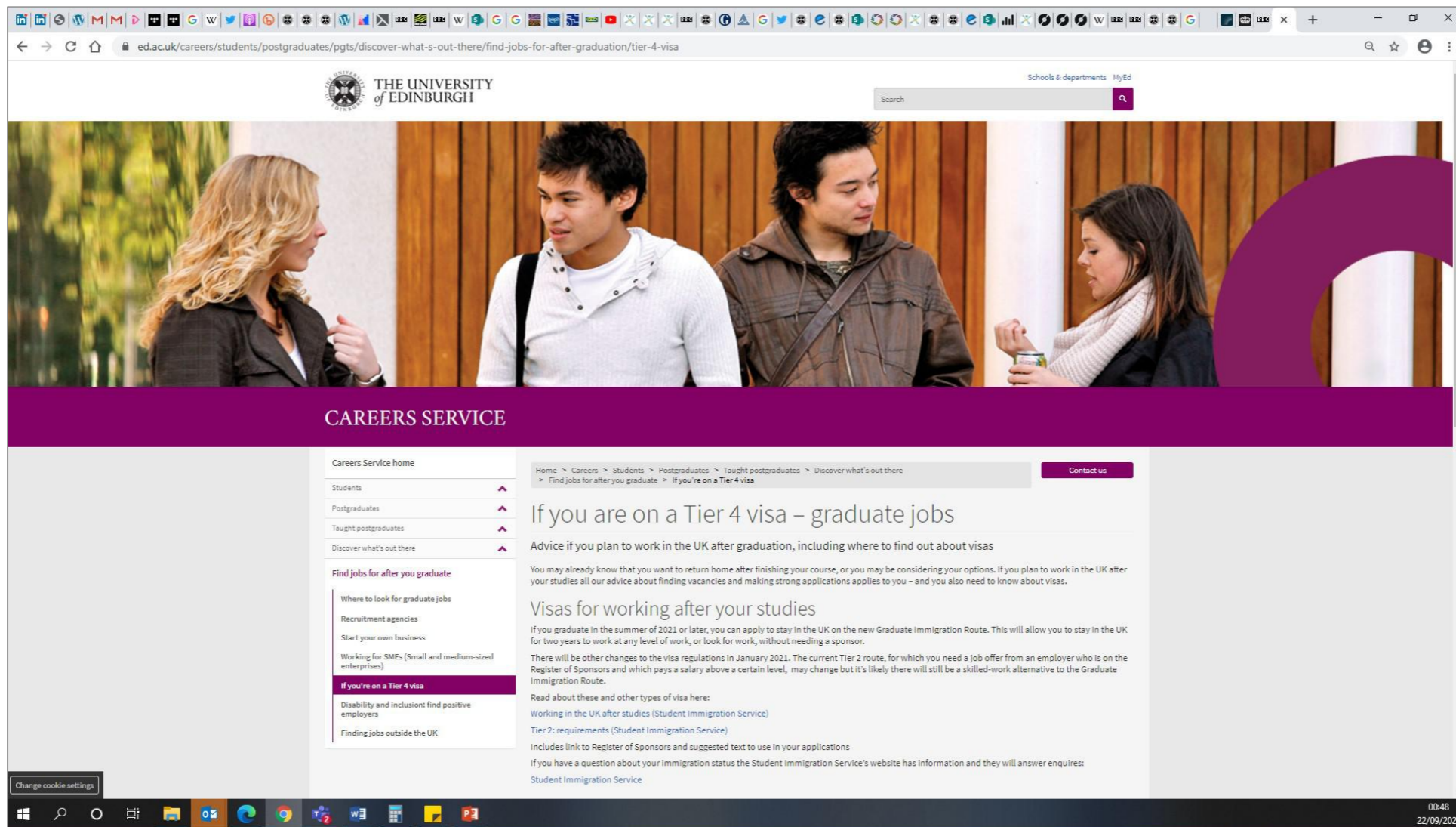


International students: hints & tips....

- International students: **have a back-up plan** to working in the UK
- Non-English speakers: **use/improve your language!**
 - Speak in English!
 - Read English language news (e.g. BBC)
 - Listen to [BBC Radio 4](#) or [Radio 5 Live](#) (talk radio)
- Volunteer? (Time permitting)
<https://www.ed.ac.uk/careers/students/postgraduates/pgts/build-experience/ways-to-build-experience>
- => also **learn about British culture!**
- [Talent Scotland](#) advertises roles for international graduates
- From the *Resources* tab of MyCareerHub try keyword searches (e.g. “China”, “India”) http://bit.ly/UoE_mch

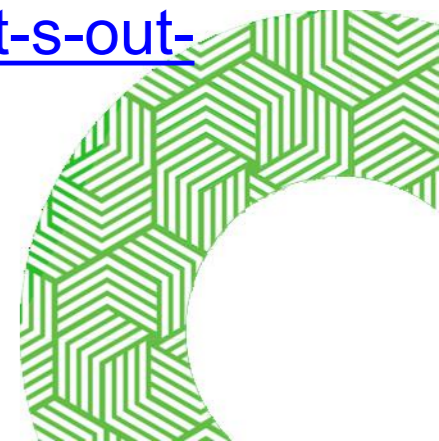


More advice for international students



The screenshot shows a web browser window displaying the University of Edinburgh Careers Service website. The URL in the address bar is <https://www.ed.ac.uk/careers/students/postgraduates/pgts/discover-what-s-out-there/find-jobs-for-after-graduation/tier-4-visa>. The page features a purple header with the University of Edinburgh logo and a search bar. Below the header is a large image of four diverse young adults talking. A purple banner below the image reads "CAREERS SERVICE". The main content area is titled "If you are on a Tier 4 visa – graduate jobs" and provides advice on finding jobs and visas in the UK. A left-hand navigation menu includes options like "Students", "Postgraduates", and "Find jobs for after you graduate". The page also includes a "Contact us" button and a "Change cookie settings" link.

<https://www.ed.ac.uk/careers/students/postgraduates/pgts/discover-what-s-out-there/find-jobs-for-after-graduation/tier-4-visa>



Where to find 'big employer' vacancies

MyCareerHub http://bit.ly/UoE_mch

eFinancial Careers www.efinancialcareers.com

Inside Careers www.insidecareers.co.uk

TARGETjobs www.targetjobs.co.uk

Prospects www.prospects.ac.uk

Milkround www.milkround.com

Job boards

www.totaljobs.com

www.s1jobs.com (Scotland)

www.scotsman.com/jobs (Scotland)



Talking to employers

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**CAREERS WEEK:
DISCOVER WHAT'S OUT THERE**

Monday 5th - Friday 9th October 2020

Featuring Careers Fair Online
Tuesday 6th and Wednesday 7th October
11am - 4pm

Inspiring futures Find out more on MyCareerHub

Sponsored by

NEWTON

 NatWest Group

FRONTLINE

 **EY** Building a better working world

+ company presentations/events programme

- Check [MyCareerHub](#) for details and live updates



Smaller companies

- Are more **reactive** to organisational need/workload – recruit as/when vacancies occur (any time)...
- **Do not plan graduate recruitment** so far ahead – may advertise any time up until the summer
- Might simply wait for interested candidates to show themselves (i.e. wait for you to go to them!)
- **> Be proactive!**



Creative job search

Draw-up your own 'lists' of companies of interest... then you can:

- Check their websites, incl.

Recruitment / Jobs / News / About us parts

- Learn about them, their clients, their successes
- Make a **speculative application**:
 - Send a CV + targeted covering letter
 - Ideally to a named person
 - Follow-up with a phone call **LinkedIn**

<https://www.ed.ac.uk/careers/students/undergraduates/build-experience/create-your-own-opportunity>

Next week: Selling Yourself: Talking to Employers & Networking
Inspiring futures <https://teaching.maths.ed.ac.uk/main/postgraduate-taught/employability/events-20-21>



Updated daily! Check weekly...

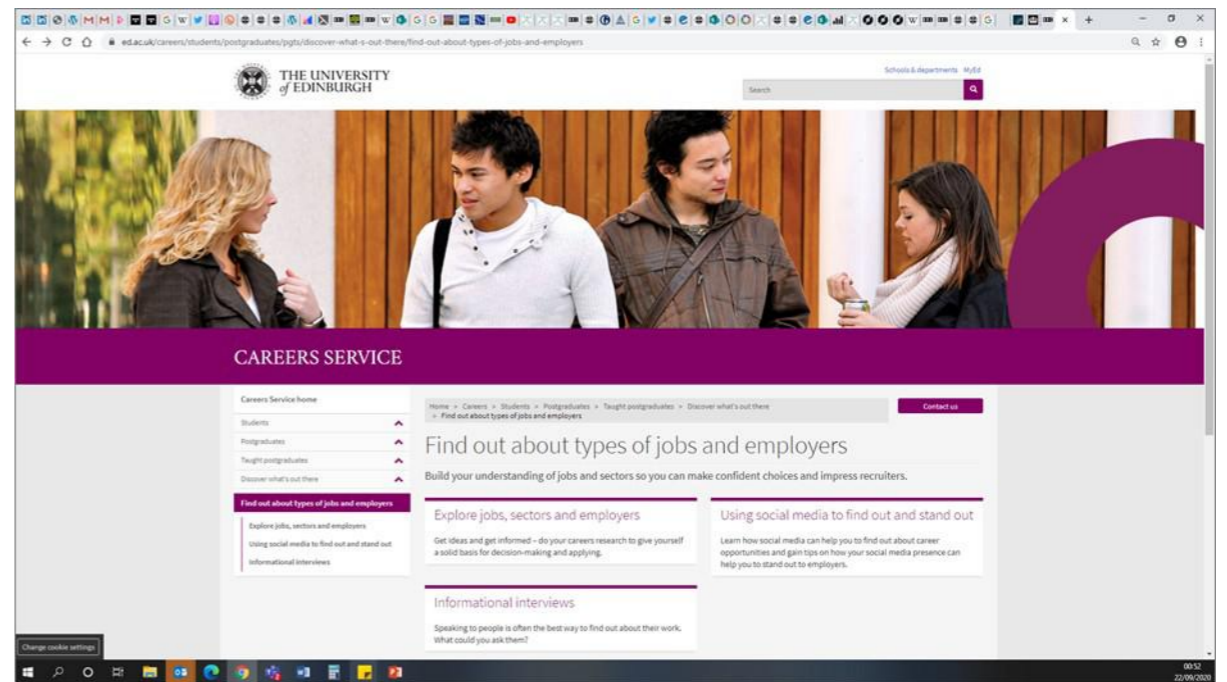


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Learn about different occupations > get a focus!

- **e.g. Finance:** you need to choose an area of financial services that interests you – and be able to **explain why** – on a job application/ at interview *why* it interests you!



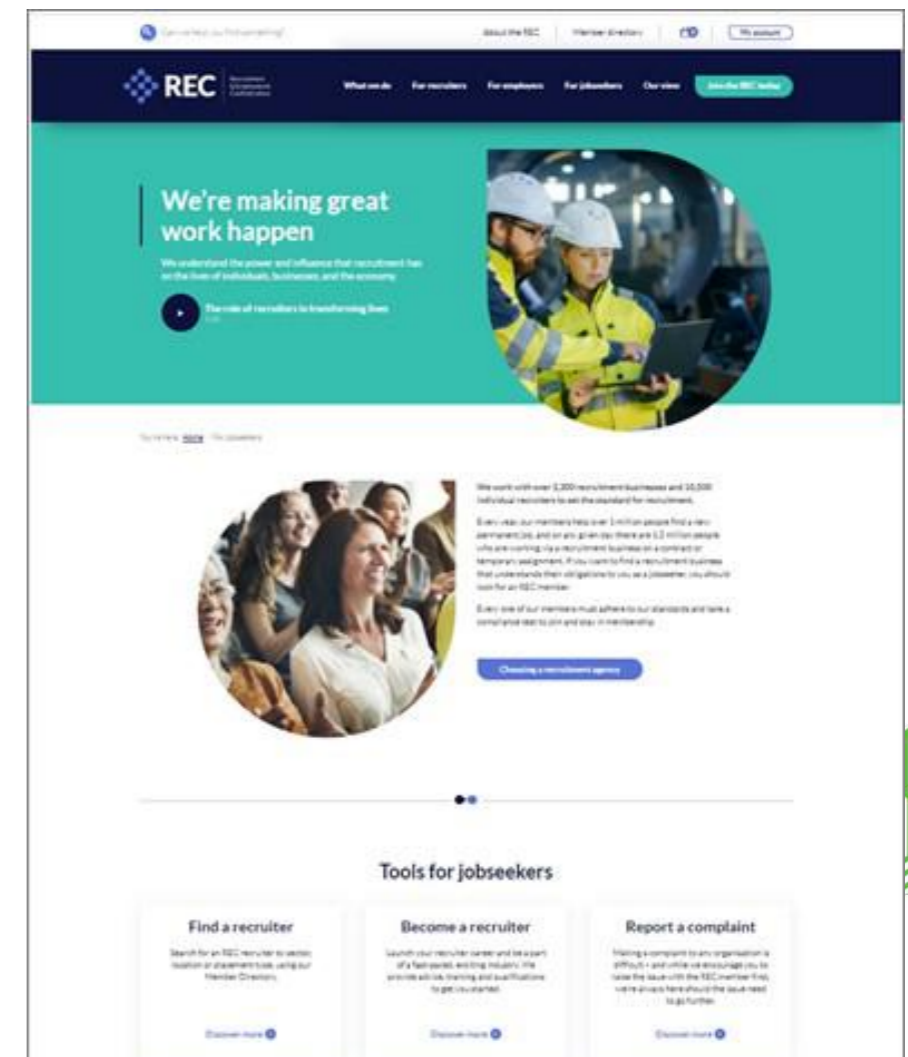
- The more you understand a job, the easier to articulate to an employer why the interests and how it matches your skills/interests/knowledge.

<https://www.ed.ac.uk/careers/students/postgraduates/pgts/discover-what-s-out-there/find-out-about-types-of-jobs-and-employers>



What about recruitment agencies?

- OK...to a point. Can be useful for finance jobs in Edinburgh.
- In the UK, you **do not** pay any money/fees!
- Find agencies that focus on your favoured sector!
- To search for agencies:
 - REC UK www.rec.uk.com/jobseekers
 - Yellow Pages www.yell.com
- Who is the agency's client...???



Support with applying

Use CV360;
then get
feedback


The screenshot shows a web browser displaying the 'Make it happen' page on the University of Edinburgh's Careers Service website. The page features a purple header with the text 'CAREERS SERVICE'. Below the header, there is a navigation menu with options for 'Students' and 'Undergraduate'. The main content area is titled 'Make it happen' and includes a sub-header 'Find out how to write CVs, cover letters, applications, and how to do well at online tests, interviews, and assessment centres.' The page is divided into four main sections: 'Plan your approach', 'Write CVs and applications', 'Selection tests', and 'Interviews and assessment centres'. Each section provides a brief overview of the topic. The page also includes a 'Contact us' button in the top right corner and a 'Change cookie settings' button in the bottom left corner. The browser's address bar shows the URL 'ed.ac.uk/careers/students/undergraduates/make-it-happen'.

<https://www.ed.ac.uk/careers/students/postgraduates/pgts/make-it-happen>

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Overseas recruitment

Apply the same principles

- Use the Careers Service website
<https://www.ed.ac.uk/careers/students/postgraduates/pgts/discover-what-s-out-there/find-jobs-for-after-graduation/finding-jobs-outside-the-uk>
- ...and any open access info from overseas universities' careers services
- Some international vacancies on  - check archive too!
- Multinationals in the UK will often have offices in other countries (N.B. can often transfer internally after a period of time).
- Jobs page on **LinkedIn** is very global
- Take same approach to speculative applications...
- ...but research 'norms' in each country; customs vary!



Use our website

<https://www.ed.ac.uk/careers/students/postgraduates/pgts>

The screenshot shows a web browser displaying the University of Edinburgh Careers Service website. The browser's address bar shows the URL <https://www.ed.ac.uk/careers/students/postgraduates/pgts>. The website header features the University of Edinburgh logo and a search bar. Below the header is a large image of three students talking. A prominent blue starburst graphic on the right side of the page contains the text "Don't google!". The main content area is titled "CAREERS SERVICE" and "Taught postgraduates". It includes a navigation menu on the left with options like "Students", "Postgraduates", and "Taught postgraduates". The main content area lists several topics: "Understand yourself", "Discover what's out there", "Build experience", "Make it happen", and "Become professional". Each topic has a brief description of the advice provided.

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Schools & departments MyEd

Search

Don't google!

CAREERS SERVICE

Careers Service home

Students

Postgraduates

Taught postgraduates

Understand yourself

Discover what's out there

Build experience

Make it happen

Become professional

Home > Careers > Students > Postgraduates > Taught postgraduates

Taught postgraduates

Information and advice for taught postgraduate students

Understand yourself

Understand what motivates you and assess your skills and strengths to help you make career decisions

Discover what's out there

Graduate jobs, part-time work, further study - explore your options and research the possibilities

Build experience

Find ways to build your experience, challenge yourself and expand your skills

Make it happen

Writing CVs, cover letters and applications, practising selection tests and preparing for interviews or assessment centres

Become professional

Advice on some of the behaviours which will help you to make an easy transition into the workplace and perform well in your role

Talk to us

- Live web chat
- Submit a question
- Use the information drop-in
- Book...
 - Appointment (30 mins)
 - Practice interview (45 mins)
 - Maths drop-in (15 mins)
Monday lunch 12:30-14:30



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<https://www.ed.ac.uk/careers/students/quick-links>

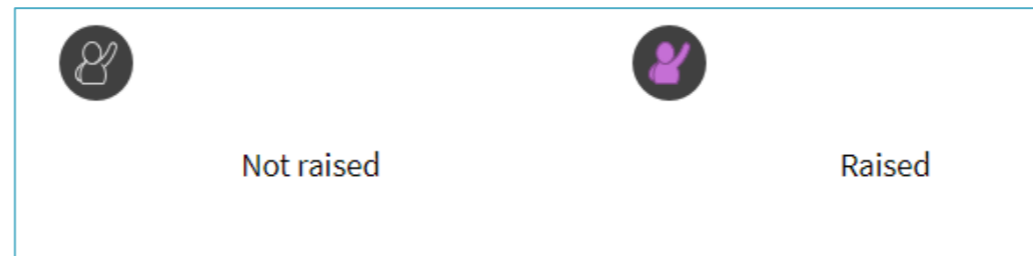
A screenshot of the 'CAREERS SERVICE' website. The page has a purple header with the text 'CAREERS SERVICE'. Below the header is a navigation bar with 'Home', 'Careers', 'Students', and 'Quick links'. A 'Contact us' button is in the top right. The main content area is titled 'Quick links' and contains several sections: 'If you're in a hurry go straight to the relevant information or part of our service using these convenient quick links', 'Our website is full of good advice to support you with your job hunting and future planning...', 'We want to make it easy for you to get in touch with us, whatever you want to find out or discuss. You can:', 'If you want to look for a job', 'If you want feedback on your CV', 'If you want to prepare for an interview', 'If you want to book an appointment to talk about your future', and 'If you want to see what events and workshops are happening'. Each section includes a list of links to specific services.

We will now end the recording.

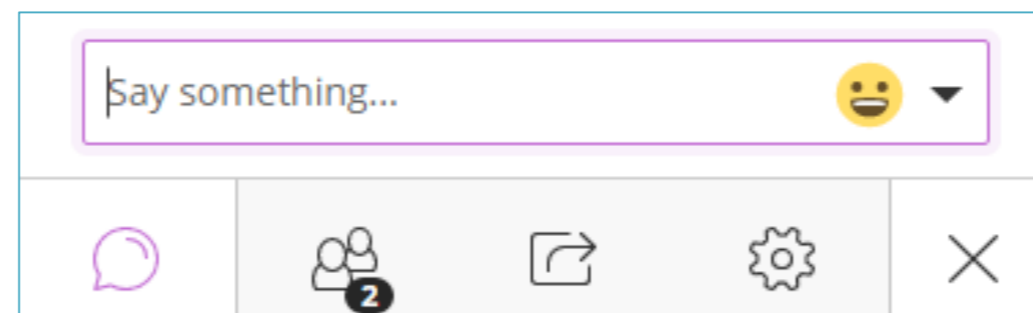


Any questions?

- Please use the hand raise icon to queue up your question



- When called upon to ask your question, please type your question into the 'Text Chat Area'



Before you go - how did we do today?

Prepare for Careers Week

<http://bit.ly/CareersSession>

All responses are anonymous





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TITLE has now closed.

For details of upcoming Careers Service events visit
[MyCareerHub](#).



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