

Aber Careers **Your Service/Your Future**

Work experience for Maths & Physics students

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Today's session aims to

Cover:

- Benefits of work experience
- The options
- Useful resources toolkit
- Support available from the careers service

Who's applying now?

Why do it

- It's not just for the CV
- It will make you more successful in your job search
- Test out career ideas (without committing!)
- Become commercially aware – get a REAL sense of the industry by being close to the action.
- Show your passion and enthusiasm – evidence to employers your motivation for a career path.

- May ignite your passion and interest!
- It's a gentle intro to the world of work (get work savvy)
- Pick up skills
- Identify skills you didn't know you had!!
- They may offer you a grad job or strongly recommend you apply!
- Will enable you to build your contacts

Options

- YES - Year in Employment Scheme
 - Year out between years 2 and 3
 - Can be in industry in the UK or abroad
 - Guide to [registration and applications](#)
- Summer placements (advertised and speculative)
- Volunteering

Need some help?

- CVs and covering letters
- Speculative applications
- Work Experience
- Networking

A starting point

Begin **now!** Many opportunities have deadlines before Christmas

- [IOP – Placements](#)
- [Summer paid placements](#)
- Gradcracker work placements/internships
 - [Physics](#)
 - [Maths](#)
- Useful resources for work experience – [Maths & Physics](#)
- <http://brightrecruits.com/>
- [Inside careers internships and placements](#)

And...

- You can find out about what each company offers by looking at the careers section of their website.
- There are also useful guides such as [‘The Times top 100 Graduate Employers’](#) and TARGETjobs [‘Get Directory’](#) where you can search for ideas.
- There are several websites offering internship information, student reviews and current vacancies such as
 - www.ratemyplacement.co.uk
 - www.milkround.com
 - www.targetjobs.co.uk
 - www.prospects.ac.uk

Research Internships

- Gain first taste of research career
- Be part of a research group
- Tackle own small project or part of ongoing experimental or theoretical problems
- Pick up new technical skills
- Meet like minded people

How?

- Formal programmes such as -
 - [CERN](#)
 - [RISE](#)
- Summer placements at industrial or government research facilities
 - [National Physics Lab \(NPL\)](#)
 - [Summer placements and internships in the Defence, science \(DSTL\)](#) a broad range of projects looking for Maths and Physics undergraduates.
 - Science and Technology Facilities Council (STFL) [internships](#) (deadline 8th November)
- Find out if there are any opportunities for students to support research here at AU – ask them!

Applying

- CERN/REU – **formal online application** process
- Many others are **unadvertised**, due to mass of applications they attract. You'll need to consider **applying speculatively** – demonstrating a true interest. You be amazed how this approach when done well can 'open up doors'
- Approach your department (**networking**)
- Talk to your P/T about contacts

Funding/bursaries

- [IOP](#) work placement scheme bursary (need to be a member for access to this)
- Royal astronomical Society bursaries ([RAS](#))
- London Mathematical Society ([IMS](#)) UG research bursaries
- [Bio Chemical Society](#) support for UG summer lab placements
- EPSRC (engineering & physical sciences research) [vacation grants](#) administered directly through universities.

Focus on...

Physics (Space sector)

- Space internship network [\(SPIN\)](#)
8 week internships introducing UGs who are interested in employment in the space sector.
Placement scheme reopens in January 2016, but see what was offered for 2015
- [ESA](#) European Space Agency student placements

Focus on CERN

- European Council for Nuclear Research
- A world class fundamental physics research organisation for Europe

Offering [Summer student programme](#) 6 weeks

- Closing date 27/01/2016
- Living allowance
- Lump sum at end to help pay towards cost of travel to/from Geneva.
- Help to find accommodation

Diamond

- 8-12 week placements for science/maths students working on a research or development project.
£14,168 pro rata

The placements have been split into three categories:

- [Scientific Data Analysis](#)
- [Physical Sciences](#)
- [Biological Sciences](#)

Applications for summer 2016 will be advertised in December 2015.

- [BAE industrial placements](#)
- [BAE summer internships](#)
 - You need to be looking at gaining at least a 2:1
 - Any subject for business and or finance but in engineering, numerical or scientific subject for engineering placements
- QinetiQ [internships](#)

[Directory of Actuarial employers](#)

- Lists those seeking bright, numerate UGs
- Contact details and details of work experience opportunities offered.

[Government Operational Research Service](#)

- 1 year analytical placements

[STORI](#)

- Internships in statistical and operational research (due to open soon)

National Grid [Student development placements](#)

- 12months out or 12 weeks internships

Just in...

Assistant Analyst (Industrial year)

£16,610 - £17,644

Higher Education Funding Council, Wales (HEFCW) Cardiff

Closing date 20th Nov 2015 – start date July 2016

Full details are available: http://www.hefcw.ac.uk/about_us/vacancies/vacancies.aspx or email hrdepartment@hefcw.ac.uk for an application pack.

Please note they do not accept CV's, only completed HEFCW application forms.

Teaching incentives

Eligibility	Physics	Maths	Chemistry /Computing	Languages	Biology	English, history, music, RE	Geography	D&T	Primary	Primary maths specialism
Scholarship*	£30000	£25000	£25000	-	-	-	-	-	-	-
1st or PhD	£30000	£25000	£25000	£25000	£20000	£9000	£15000	£12000	£3000	£6000
2:1 or Masters	£25000	£25000	£20000	£25000	£15000	£4000	£15000	£9000	£3000	£6000
2:2	£25000	£25000	£20000	£20000	£15000	0	£15000	0	0	£6000
Other**	£9000	£9000	0	0	0	0	0	0	0	£3000

<https://www.ucas.com/ucas/teacher-training/finance-and-support>

Teaching work experience

- Get some **experience in the classroom** for the age range you are interested in teaching - contact schools in your area to observe lessons.
- You may want to consider our Penglais School work experience 3 days (January 2016) or [School Experience Programme](#)
- Build your **experience with young people** in general
- **Recognise** the knowledge, **experience** and skills **you have already!**

Teach First Insight Programme [work experience](#)

Experience snapshot of their Leadership Development Programme (STEM focused)

2 week residential, paid £250, accommodation included.

Week 1 – London based training

Week 2 school based

April or June

Further afield

- [IAESTE](#) (The international association for the exchange of students for technical experience)
 - Open now – deadline 26th November
 - International paid work experience across the world for science/tech UGs
 - Travel/visa costs
- [Going Global](#) [Finding internships PDF](#)
- Internships & placements in Europe [Erasmus](#)
- [Erasmus+](#) funding

Be creative

- **Network.** Make use of connected family members, friends, friends of friends....
- **Get LinkedIn** – join groups, send personalised connection requests – once connected customise messages for information. Visit company pages. Use the alumni tool to see what AU grads are up to. Search the [student jobs portal](#) for internships. 6,767 UK internships. Analyst, science, finance, research etc...
- [LinkedIn for students](#)
- [Alumni e-mentoring](#)

Make speculative apps

.....to organisations of interest

Research a number of employers of interest- regional, start ups, alumni links, [directories](#), websites, LinkedIn, network contacts....

- What type of experience you are seeking
- Why you are approaching this organisation
- What skills and experiences you can bring
- When you are available

www.aber.ac.uk/careers/specapps

AberForward

- Summer internships on campus
- Develop graduate level skills in project management, leadership – take on responsibility
- See [last years job roles](#)

Volunteering

Where can I work in the charity sector?

- Charity directory
- Do It Org

Student Society committee work -
Treasurer

Additional support

Myfanwy Cowdy
Industrial Year support IMPACS
mmm@aber.ac.uk

IMPACS Careers & Internship Fair

Wednesday 18th November
2015

Student's Union Main Hall
11am - 3pm

Our services

- **Drop in** – every week day, 10.30am 1pm. No need to book (CV checks, careers query etc.)
- **Employer events**
- **Work experience** support, including **AberForward** our on campus internship scheme & **AberTemps** (closed)
- One to one **guidance** appointments (bookable)
- Comprehensive **online careers resources**
- **Vacancy database** (click on vacancies and events)
- **Alumni Ementoring**

Contact us

Office: In the Students' Union, next to
the shop

 careers@aber.ac.uk

 [abercareers](https://twitter.com/abercareers)

@abercareers

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