

## SUMMER PAID PLACEMENT SCHEMES FOR PHYSICS UNDERGRADUATES

### Atkins

- Global engineering and design consultancy with a key business in energy
- Summer 8 to 12 weeks
- <http://careers.atkinglobal.com/graduates>

### BAE Systems

- A global defence, aerospace and security company employing around 88,200 people worldwide. Wide-ranging products and services cover air, land and naval forces, as well as advanced electronics, security, information technology, and support services.
- Summer - 30 June to 19 Sept (12 weeks)
- <http://www.baesystems.com/careers-rzz/careers-in-the-uk/graduate-opportunities/our-schemes/summer-internship>

### BAE Systems Detica

- Initially a small system engineering company based on the Surrey Research Park, Detica is now part of BAE Systems and offers services in cyber security, project management, electronic engineering and embedded software, technical consulting and software development.
- Summer - 12 weeks
- <http://baesystemsdetica.com/careers/>

### Buro Happold

- Multi-disciplinary engineering consultancy working on high profile building and infrastructure projects. Their services include engineering based activities such as ground engineering as well as acoustics and computational work.
- Summer - 8 weeks (June to Sept)
- <http://www.burohappold.com/about-us/careers/placements-internships/>

### CERN

- The European Organisation for Nuclear Research, CERN uses the world's largest and most complex scientific instruments to study the basic constituents of matter - fundamental particles.
- Summer 8-13 weeks
- <http://home.web.cern.ch/students-educators/updates/2013/10/apply-now-cerns-summer-student-programme>

### CGG

- A fully integrated Geoscience company providing leading geological, geophysical and reservoir capabilities to its broad base of customers primarily from the global oil and gas industry

- Offering summer placements to undergraduates in physics, geophysics, maths and engineering who are interested in learning more about the role of a graduate geophysicist
- Placements run from early July to end of August
- Applications open from early February to early April.
- Go to [www.cgg.com/careers](http://www.cgg.com/careers) for more information

#### **Diamond**

- The UK's national synchrotron facility, located at the Harwell Science and Innovation Campus in Oxfordshire
- 8-12 week placements are paid positions and will provide successful students with an opportunity to work on a research or development project.
- Summer placements are online and open for applications at the following location – <http://www.diamond.ac.uk/Home/Jobs/placements/Current.html>

#### **DSTL (Defence Science & Technology Laboratory)**

- Dstl's purpose is to maximise the impact of science and technology for the defence and security of the UK.
- Summer vacation placements are available to students looking for an 8-12 week job.
- Visit <https://www.dstl.gov.uk/Summervacationplacements>

#### **Ford**

- Ford of Britain operates three major manufacturing sites in the UK. It also operates a large research and development facility in **Dunton**, Essex, which employs over 3,000 engineers.
- Runs a summer 8-week paid placements scheme for undergraduates
- Open to all students currently working towards a degree that is deemed suitable for the department that they would be working in. For engineering positions, this would include Physics degrees.
- Visit <http://www.ford.co.uk/> to find out about summer placements

#### **Grant Thornton**

- Grant Thornton is one of the world's leading organisations of independent assurance, tax and advisory firms, employing over 31,000 people, across 100 countries
- Summer - 4 to 8 weeks
- <https://careers.grant-thornton.co.uk>

#### **Institute of Physics**

- The IOP's Top 40 Work Placements Scheme offers penultimate year undergraduate physics students bursaries of £2,000 to carry out eight-week summer placements in a company of their choice
- Students receive first-hand experience of working for an organisation committed to physicists and physics. In return, employers gain a fresh perspective and new ideas from their work placement students.

- The closing date for students to submit their applications to either employers or the IOP is end of April
- Visit <http://www.iop.org/careers/top40placements/index.html>

#### **IBM – Extreme Blue Programme**

- IBM have had a number of successful physics undergraduates join their schemes -- including their three month summer placement scheme **Extreme Blue**.
- They would be delighted to have physics undergraduates apply -- placements are more likely to be specific to the software development business than academic research related to physics
- Interviewing takes place in November and December. If they fill the vacancies, they will close for applications at the end of the year -- and almost certainly, before February
- IBM pays undergraduates for these placements and provides accommodation. They also offer the opportunity to apply for IBM trainee positions for when they graduate.
- More details are here: <http://www-05.ibm.com/employment/uk/students/extreme-blue/index.shtml>

#### **MBDA**

- MBDA, a world leader in missiles and missile systems and is a multinational group with 10,000 employees in France, the UK, Italy, Germany, Spain and the United States.
- MBDA offers summer placement opportunities to undergraduate students
- Vacancies are available in a number of departments and areas including research and development, software and systems engineering.
- The closing date for applications early December so they recommend that applicants apply early.
- Visit the following link: [http://www.mbdacareers.co.uk/grad\\_faq\\_placements.html](http://www.mbdacareers.co.uk/grad_faq_placements.html)

#### **National Grid**

- Responsible for the transmission of gas and electricity in the UK, employing 8,900 people and with capital investment of £2.4bn.
- Summer - 12 weeks. Please note: the company also offers 12 month industrial placements in a wider variety of business areas, in particular (for Physicists), Transmission Network Services.
- <http://www.nationalgridcareers.com/Development-Opportunities/Students/The-Programmes/>

#### **NNL**

- NNL plays a key role in the UK and global nuclear industry, which involves reducing the cost of clean-up and decommissioning, maintaining critical skills and attracting new talent to the industry.
- Summer 2014, usually a min of 12 weeks
- <http://www.nnl.co.uk/careers.aspx>

### **Numerical Algorithms Group (NAG)**

- Delivers numerical computing software and high performance computing (HPC) services
- Offer short and long placements to engineering, maths and physics students
- Interested in students with a computing background/interest and understanding of numerical mathematics
- If you'd like to talk to NAG about joining as a Placement Student or if you feel you've the right skills, contact [miked@nag.co.uk](mailto:miked@nag.co.uk) or call 01865 511245
- Visit [http://www.nag.co.uk/about/careers/Ruth Varley NAG Story.asp](http://www.nag.co.uk/about/careers/Ruth_Varley_NAG_Story.asp)

### **PA Consulting Group**

- Experts in a wide range of industries. Their specific expertise is in energy, financial services, life sciences and healthcare, manufacturing, government and public services, defence and security, telecommunications, transport and logistics
- <http://www.paconsulting.co.uk/careers/>
- <http://www.paconsulting.co.uk/about-us/what-we-do/>

### **Petroleum Geo Services**

- PGS offers a broad range of products including seismic and electromagnetic services, data acquisition, processing, reservoir analysis/interpretation and multi-client library data
- Summer - typically 8 weeks from June to August.
- <http://www.pgs.com/en/careers/graduate-opportunities/Internships-in-PGS/>

### **PwC Legal**

- PwC Legal is the legal arm of the worldwide PwC network, a global accounting and consulting company
- Summer - 3 weeks
- <http://www.pwc.co.uk/careers/student/graduateopportunities/pwc-legal.jhtml>

### **QinetiQ**

- QinetiQ are experts in defence, aerospace and security, employing more than 9,000 people worldwide. Its scientists and engineers solve some of the world's most important problems, offering high-end technical knowledge underpinned by world-class research and innovation
- Summer 2014 - 9 weeks
- <http://www.qinetiq.com/about/Pages/default.aspx>

### **Renishaw**

- Renishaw is a global company with core skills in measurement, motion control, spectroscopy and precision machining. It develops new products aimed at improving manufacturing efficiency, raising product quality, maximising research capabilities and improving the efficacy of medical procedures.

- Summer - 8 to 12 weeks. The company also offers 12 month placements for the professional training year
- <http://www.renishaw.com/en/Our-company--6432>
- <http://www.renishaw.com/jobs/ref/PL7429>

### **Rolls Royce**

- A global company, providing integrated power solutions for customers in civil and defence aerospace, marine and energy markets
- Summer - 10 to 12 weeks
- <http://www.rolls-royce.com/careers/>

### **Schlumberger**

- The world's largest oilfield services company. It invents, designs, engineers, and applies technologies that help customers find and produce oil and gas more efficiently and safely—often in remote and challenging locations
- Summer - 3 months
- <http://careers.slb.com/whoweare.aspx>
- <http://careers.slb.com/>

### **Selex**

- An international leader in electronic and information technologies for defence systems, aerospace, data, infrastructure, land security/protection and 'smart' solutions
- Summer 2014 - 6 weeks, June start
- <http://www.selex-es.com/international-presence/uk/careers-2/placement-opportunities>

### **Space Internship Network (SpIN)**

- Small and medium sized companies in the Space Sector, co-ordinated via the Catapult website, a technology/innovation company aimed at promoting the exploitation of space and satellite technologies
- Summer - usually 8 weeks.
- <https://sa.catapult.org.uk/space-internship-network-spin-scheme>

### **STFC (Science & Technology Facilities Council)**

- Supports an academic community of around 1,700 in particle physics, nuclear physics and astronomy, who work at more than 50 universities and research institutes in the UK, Europe, Japan and the United States.
- Summer 2014 - 4 to 12 weeks
- <http://www.stfc.ac.uk/1405.aspx>

### **STFC - Particle Physics Dept**

- A department of STFC, based at the Rutherford Appleton Lab in Oxon. Particle Physics strives to understand the structure of matter at the deepest possible level and probing the very shortest (sub-nuclear) distance scales requires the very highest energies
- Summer 2014 - 8 weeks (June to Sept)
- <http://www.stfc.ac.uk/PPD/students/38521.aspx>

### **Tesco**

- The world's 3<sup>rd</sup> largest retailer and a major presence on the high street and in personal financial services. Tesco offers internships in finance, technology and procurement
- Summer
- <http://www.tesco-graduates.com/page.cfm/content/Summer-internships/>

### **Thales**

- A global player in the aerospace, defence and IT security markets, with operations in 56 countries and 67,000 employees worldwide. Currently GB's second largest defence contractor
- 3 month internships
- <https://www.thalesgroup.com/en/homepage/careers>

### **Wood Mackenzie**

- Wood Mackenzie is the most comprehensive source of knowledge about the world's energy and metals industries. It analyses and advises on every stage along the value chain - from discovery to delivery, and beyond
- 8-14 weeks between June and September
- <http://public.woodmac.com/public/about>

### **Other sources:**

#### **Gradcracker**

- Visit <http://www.gradcracker.com/work-placements/> for 100s of placement opportunities.