# **Think Engineering Summer Scheme (TESS)**

## **The Scheme**

The Think Engineering Summer Scheme is a university initiative to provide additional experience of industry, academic research and outreach to a small number of undergraduate engineering students. Supported by the Reece Foundation, TESS 2016 is offering an eight week placement to three high performing Undergraduate or Integrated Masters engineering students over the summer prior to starting their final year. Open to all eligible engineering students, we particularly welcome applications from female students.

Students will be provided with a bursary of £2400 for the 8 week period. This summer period will be divided into a six week project period and a two week period to specifically support the ***Think Engineering, Think Physics Summer School*** for young people and ***Think Physics***. The six week project period will either be ***industry led*** or ***academic led***.

### **Academic-led Project**

Each student will work closely with a member of academic staff and their team within the Faculty of Engineering and Environment at the university. They will engage in academic research for the first six weeks using this experience to develop an interactive workshop or activity for school children, drawing on the experience of the Think Physics team.

### **Industry-led Project**

The intern will work closely with the staff at a local industrial company on research and development. They will normally be based at the company itself but may also spend time at the university to access relevant resources and expertise of the academic staff. They will use the experience to also develop an industry case study or school activity for Think Physics.

### **Think Engineering Think Physics Summer School and Think Physics**

Think Physics is a university project aimed at encouraging more young people, particularly females and other areas of under representation, to choose engineering, physical sciences or technology at higher education and beyond. The project works closely with the young people themselves and also their support networks: parents/carers, teachers and families and friends to highlight the wide range of career paths and real-world applications of science, technology and engineering. To find out more about the project please visit [thinkphysics.org](http://www.thinkphysics.org/).

At the end of the six week project, the students will join the Think Physics team to support the Think Engineering Think Physics summer school and develop resources from their specific projects.

### **Further Details of TESS 2016**

Students are expected to be available for 8 weeks between Monday 13th June and Friday 5th August 2016 and work full-time on TESS during this time.

To be eligible for TESS 2016 you should:

* Be studying an undergraduate or integrated masters engineering degree within the Faculty of Engineering and Environment at Northumbria University
* Be about to enter your final year of study
* Have an interest in research, industry and encouraging others to engage with science, engineering and technology
* Be available Monday to Friday between the hours of 9am and 5pm from 13th June 2016 to 5th August 2016.

**How to apply**
Deadline for applications: Monday 16th May 5pm
Interviews will be held on: Tuesday 24th May

To apply for TESS 2016 please send a short CV (maximum 4 sides A4) together with a covering letter (maximum two sides A4) outlining your suitability for the role and why we should give this opportunity to you.

Please send your CV and covering letter to rebecca.strachan@northumbria.ac.uk

Any queries about the role should also be directed to Rebecca Strachan, Associate Dean Business and Engagement, email: rebecca.strachan@northumbria.ac.uk or Tel: 0191 2273979