**2013 SUMMER INTERNSHIP ROLE PROFILE**

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<tr>
<th>Job title</th>
<th>Summer Intern</th>
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<tr>
<td>Business Unit</td>
<td>Shared Services</td>
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<td>Function</td>
<td>Advanced Technology Centre</td>
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<td></td>
<td>RF Systems Capability</td>
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<tr>
<td>Hiring manager</td>
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<tr>
<td>Job type</td>
<td>Fixed Term (employed through SEMTA)</td>
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<tr>
<td>Location of Role</td>
<td>Great Baddow</td>
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**Role profile**

The Advanced Technology Centre is the research and technology arm of BAE Systems. In partnership with the businesses and educational establishments with whom we work, we innovate and develop to transform aspiration and vision into engineered reality.

We provide research & development, consultancy, specialist manufacturing and technical services for BAE Systems businesses. Additionally, our expertise has helped the UK MOD, US Department of Defense, European Space Agency, UK Sport, universities and other leading innovative organisations achieve their goals.

The RF Systems Capability is based in Great Baddow, near Chelmsford, Essex. Our work includes:

- Radio frequency, electronic and optical systems
- Antennas and electromagnetics
- High power RF source design

**What you will be doing** (Role Duties and Responsibilities)

You will contribute to either

- The development of and testing of radio frequency and optical systems and components, including signal processing.
- The design or testing of antennas or high power RF sources

The successful applicant may be involved in a variety of activities, e.g. mathematical analysis, computer simulation and experimental work in the laboratory or in realistic operational environments.

This is an excellent opportunity to become part of a world class research team.

**What we are looking for** (Skills and Experience)

Qualifications / skills required:

- A predicted (or achieved) 2:1 degree in a relevant discipline and 280 UCAS points.
- Degree to be in Physics or Electronic/Electrical engineering, Maths or a related discipline
- Highly motivated with the ability to quickly digest and apply new concepts and develop novel solutions to challenging problems
- Able to work independently as well as in a team
- Strong analysis and problem solving skills
- Preference will be given to candidates with skills in one or more of the following: practical skills, computer programming skills (e.g. Matlab, VHDL, C, C++, etc.), and electromagnetics.