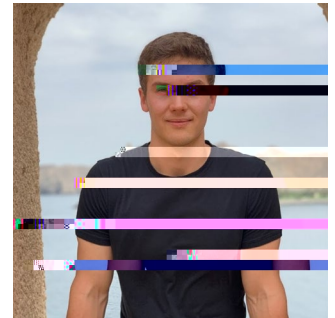




Cameron Halliday

Research student

Chemical Engineering enables a very broad set of careers. My interests are around energy and the environment, particularly in the context of preventing global warming. The energy industry is going through massive upheaval as pressure builds to reduce CO2 emissions while the sector continues to provide reliable power to society. My PhD work has coalesced around fighting global warming with a technology known as Carbon Capture & Storage.



For me the opportunity to work on energy projects all over the world has been a big factor directing my career. Below are some of the projects I've been fortunate enough to work on and where Chemical Engineering has taken me so far.

- Process safety studies on offshore oil & gas production facilities (Baku, Azerbaijan)
- Insights into cutting-edge renewable energy technologies (Reykjavik, Iceland)
- Troubleshooting operational issues at an Aluminium production facility (Dubai, UAE)
- Exploring the future of the energy industry, from solar fuels to electric aviation (Houston, US)
- Presenting a bench scale prototype of research (Milan, Italy)

<p>Post 16 Education</p> <p>AS Levels Further Maths, Geography & EPQ</p> <p>A Levels Maths, Chemistry, Physics,</p>	<p>Higher Education</p> <p>MEng Chemical Engineering with Management</p> <p>MSci, PhD, MBA Chemical Engineering Practice</p>
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Chemical Engineering is about using science and maths to solve problems in industry.

What industries? Historically, "industry" referred to oil & gas, chemicals, cement, mining, and other heavy industrial sectors. Today, "industry" refers to almost everything, from pharmaceuticals and drug discovery, to semiconductors and renewable energy. The problem-solving abilities of a Chemical Engineer are highly valued everywhere and many use their skills in finance, government, and business.

What problems? Efforts to address global warming, cure cancer, prevent pollution, discover novel materials, understand complex systems, and halt the spread of diseases, are often spearheaded by Chemical Engineers.



