

# powering careers in energy



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At Chevron we are dedicated to fostering the next generation of big thinkers. We partner with governments, non-government organisations and community leaders to improve education outcomes in our communities and provide Western Australians with greater access to local job opportunities.

The Chevron Powering Careers in Energy (PCiE) program invests in the young minds that will help shape Australia's energy future and aims to increase energy literacy in schools to improve students' skills and training outcomes.

Delivered in partnership with Australian Earth Science Education, PCiE provides students in years 10, 11 and 12 with the opportunity to undertake a one-year program to develop their knowledge and skills for a career in the energy sector.

Students will complete five units covering a wide range of topics relating to the energy industry, including its history and its global networks.

The program is endorsed by the School Curriculum and Standards Authority and will contribute to students' Western Australian Certificate of Education (WACE).

The course is suitable for students who would like to:

- Develop an understanding of the energy industry and expand their knowledge and skills through engagement with new experiences and activities.
- Increase their awareness of career opportunities within the energy industry, and how they align to individuals' goals and aspirations.

## course unit outline

### 1.0 introduction to energy

Students will be introduced to the role of energy in our community, with a focus on the various aspects of the liquefied natural gas (LNG) value chain. Students will have the opportunity to develop their knowledge about Australian cultural heritage and native title, and how these aspects shape the modern resources industry. Wherever possible, this unit aims to link the relevance of their studies to real life scenarios.

### 2.0 the science behind LNG

Focusing on the importance of biodiversity and environmental science, students will gain insight into how organisations can work in harmony with the environment. They will explore various forms of energy, including crude oil, natural gas and renewable sources, as well as science and engineering disciplines in the context of LNG.

Students will examine the case study of Barrow Island, a Class A Nature Reserve where Chevron Australia has been operating for more than 60 years while successfully maintaining the island's rich environmental biodiversity, demonstrating that with proper management, development and conservation can coexist.

### 3.0 safety and the environment

Students will be introduced to the concept of behaviour based safety and understand the importance of adopting an injury and incident free workplace. Students will learn about the practical application of Chevron's work safety program and Operating Safely to Protect Resources, the Environment and You (OSPREY).

A reflection on global disasters to examine what went wrong and what can be learned provides an insight into the relevance and importance of safety. Personal safety will also be covered, including health and wellness, drug and alcohol information and driver education relating to employment.

### 4.0 exploring careers in energy

Focusing on the key skills required for success in the workplace, students will be introduced to teamwork, trust and conflict resolution. This unit will also provide support in developing student confidence with resume writing, job applications and interview techniques.



**"The students have put a lot of effort and research into their course work so it's important to bridge that gap between industry and education, and bring fun and practical ways to get them involved in STEM pathways" – Powering Careers in Energy teacher, Suzy Urbaniak.**

### 5.0 LNG exploration day

Students will be immersed in the occupational health and safety culture within Chevron, undertaking science and engineering experiences associated with LNG production. They will have the opportunity to experience the workplace first-hand, working alongside Chevron personnel to complete projects and activities.

The LNG exploration day draws together aspects of units one to four, providing practical application of the skills and knowledge learned. It is a pre-requisite that students successfully complete the preceding four units prior to enrolling and participating in the LNG exploration day.

## powering careers in energy videos

Watch now > [Inspiring Future Energy Professionals](#)  
Watch now > [Australian Students Participate in the Future of Energy](#)