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Engineering

 **Duration** As desired, but usually between 2 and 4 weeks

 **Locations** New Zealand and Australia

Study abroad programs in engineering offer students the opportunity to experience different national approaches to engineering disciplines, as well as provide insight into the pressures and influences (both natural and cultural) shaping engineering. We can work with you to develop programs that expose students to a range of applied engineering in professional contexts, from civil and chemical to geothermal and structural engineering. A variety of engineering company visits, university visits, and cultural experiences can be included at each stage of travel. Programs can be tailored to focus on a particular engineering subdiscipline and can be centered in a single host country, or can be located across destinations and disciplines for a comparative approach.

“It has been a real pleasure working with AUIP for the past few years. I most appreciate the focus on truly understanding our program’s educational aims and building an itinerary around those objectives. The level of detail and organization is phenomenal, and our engineering students have engaged in incredibly enriching educational experiences in New Zealand and Australia.” Dr. David Knight, Associate Professor, Dept. of Engineering Education, Virginia Tech.

 **Antarctica**  **Australia**  **Fiji**  **New Zealand**

New Zealand

Site visits at tertiary engineering centers

These could include an introduction to Sound Engineering, research centers for Civil Engineering and an introduction to Engineering Project Management.

Engineering and indigenous culture: embedding cultural identity in urban environments

Meet with advisors from an indigenous body that is responsible for ensuring Maori values, aspirations and narratives are realized within the rebuild and urban design of the new Christchurch.

Lectures, site visits and activities related to the Christchurch earthquakes (2010 and 2011)

These include a session on the fundamentals of seismic design (past, present and future); a walking tour of Christchurch and visits to key sites in the earthquake and redevelopment of the city led by an engineer involved in the rebuild; and a visit to a non-government organization (NGO) devoted to developing sustainable housing solutions in the wake of the earthquakes.

A century of rail, tunnel and road engineering in New Zealand

Visit a village in the Southern Alps that lies at the center of New Zealand's history of transportation through rugged and remote terrain.

Geological and Nuclear Sciences in New Zealand

Visit New Zealand's leading provider of earth, geoscience and isotope research and consultancy.

Australia

Software Engineering in Australia

An interactive session, including presentations, workshops and Q&A, that introduces students to one company's success in developing platforms for data processing.

Visit to city metro management centers and development sites

An introduction to the metro system of public transport and an overview of technology and automated operations. It is also possible to arrange a viewing of sites under development.

Guided tour of the Sydney Opera House

Learn about the design and construction of one of the world's most iconic buildings.

Site visit to urban traffic control room

The site visit will include a tour of the operations center, a tour of the incident response unit, an introduction to Australia's roadways, and a talk on sustainability and the challenges of operating sustainably in the future.

Dam tour and presentation

A guided tour of one of Australia's biggest dams; includes information on how water is managed and on the contemporary water issues in Australia.

