



Mechanical Engineering Trip Europe 2024: Global Engineering Experience

Dates: February 17 – 25, 2024

Program Details:

Day 1 - 2: BMW Museum and Deutsches Museum, Munich, Germany

The journey begins in Munich, Germany, and visits to the BMW factory, Welt and Museum where students will learn about the 100-year history of this iconic German company and its plans for the future automobile through energy transition. This will be followed by a visit to the iconic Deutsches Museum. The Deutsches Museum is a veritable treasure trove of scientific and engineering history. It boasts an extensive collection of artifacts and exhibits dedicated to various fields of science and technology, including energy systems. Here, students will have the opportunity to explore the evolution of energy technologies, from early innovations to the latest breakthroughs. Travel by train to Paris.

Day 3 - 5: Musée des Arts et Métiers, Paris, France

Continuing to Paris, France, students will visit the Musée des Arts et Métiers. This museum is a testament to the intersection of art and engineering. It houses a remarkable collection of inventions and machinery, some of which are directly related to energy production and utilization. Students will have the chance to witness the artistry of engineering and gain insights into the historical context in which energy systems were developed. Travel by train to London.

Day 6 - 7: Science Museum / Royal Institution, London, England

The final leg of this enlightening journey takes students to London, England, where they will explore the Science Museum and the Royal Institution. The Science Museum is one of the world's foremost institutions dedicated to science, technology and industry. Its energy-focused exhibits will provide students with a comprehensive overview of how energy has shaped the modern world. While at this location, we will visit the Imperial College campus and view the student competition team space.

The Royal Institution, on the other hand, is renowned for its contributions to scientific research and education. Students will have the opportunity to attend lectures and workshops on cutting-edge energy topics, providing them with valuable insights into the future of energy systems.



More information:

Participants: Open to a maximum of **20 undergraduates** in **Mechanical Engineering major**. Students are required to complete the Global Engineering Experience application form. They must participate in all pre-departure education, meetings, and preparation activities.

Eligibility: Students who have a minimum GPA of 2.0, **have not previously participated in the Global Experience** program and in all years of their **Mechanical** Engineering major are welcome to apply. Students must be currently eligible and have valid visas for travel to Germany, France and the United Kingdom, as well as all supporting travel documentation required for these destinations. Please note, **passport must be valid at the time of application**.

Cost: Students eligible for this program will be required to pay out of pocket **\$2,000**. This includes round-trip airfare, field trips, local transportation, emergency medical insurance, and accommodations. Some meals will be provided (program dependent), but students should budget for food and snack purchases.

Funding: Due to the significant existing financial contribution from SSE, students will not be eligible to receive Schulich Student Activities Funding (SSAF) or UCalgary International Funding for these experiences.

Pre-departure: The Engineering Student Centre and Chaperone(s) will host a mandatory pre-departure session for students. Topics covered will include student rules of conduct, customs/norms of the destination countries, attendance expectations, and a full overview of the agenda. Students will also be expected to complete online study abroad module in D2L.

Student conduct: Students will be bound by university non-academic misconduct policies and will be required to sign the SSE Rules of Engagement for Group travel document. If misconduct occurs, the faculty chaperones, in consultation with the Dean's Office, reserve the right to send the student(s) home. Students will be required to sign risk and student conduct waivers at the pre-departure session.

Additional student expenses: Managed directly by program participants:

- Meals (breakfast may be provided)
- Additional baggage fees (if required)
- Passport & Photos (If required)
- EU Visa (if required) or ETIAS (https://travel-europe.europa.eu/etias_en)
- Immunizations: based on recommendations from travel clinic, cost varies depending on individual circumstances and destination countries
- Travel insurance (emergency response will be included)