Study Abroad Online

College of Science, Health and Engineering

Experience studying at an Australian University

We are offering you an opportunity to Study Abroad Online with La Trobe University.

Experience student life and learning from an Australian perspective, without leaving the comfort of your own home.

La Trobe University is ranked in the **top 50 universities** in the Asia-Pacific Region[1] and we're ranked in the **top 1%** of universities worldwide[2].

Directly supported by research, learning and teaching in the College of Science Health & Engineering; **La Trobe has placed fourth in the world for overall contribution to the United Nation's Sustainable Development Goals[3]**.

The University ranked first in the world for **protecting and restoring life on land**. We placed second in the world for both **gender equality** and for **decent work and economic growth**, and fifth for **good health and wellbeing[4].**

Single Subject Online Options

Study a single subject online with fellow La Trobe students and receive credit.

Choose subjects from:

- **Psychology, Public Health, Statistics, Computer Sciences, Life Sciences and Molecular Sciences**

How To Apply

To apply or for more information on single subject Study Abroad Online, email: studyabroad@latrobe.edu.au

Eligibility

Make sure you meet the academic and English language requirements for your subjects: latrobe.edu.au/international/study/australia

Semester Dates

Semester 2: 19 July to November 2021

View all dates on the Academic Calendar: latrobe.edu.au/calendar/academic-calendar

1. Times Higher Education Best Universities in the Asia-Pacific Region 2019;
2. Times Higher Education World University Rankings 2021
3. Times Higher Education (THE), 2021, Impact Rankings 2021
4. Times Higher Education (THE), 2021, Impact Rankings 2021

La Trobe Study Abroad Online

School of Psychology and Public Health

Global Health Initiatives

PHE3GHI

In this subject, students will extend their understanding of the institutions, policies and programmes that contribute to public health in a global context. Students will also consider Australia's response and contribution to international public health issues.

Applied Psychology

PSY1APP

In this subject students will learn about how the discipline and practice of psychology can be applied in different ways (e.g., to promote mental health, physical health, social participation and inclusion), and in different areas including individual and public health, sports, forensic, and community-based psychology. Students will consider how psychological theories and evidence can be applied to a range of psychology and health-related fields and be introduced to key practical skills relevant to these fields. Students will create a personal development plan, which will involve self-reflection and evaluation of existing skills, skills to be developed, and strategies to developing self- efficacy, self-confidence, and self-esteem, with a view to future career goals.

Developmental Psychology

PSY2DEV

Students will learn about developmental psychology from the earliest period of prenatal development through infancy, childhood, adolescence, and into adulthood and older age. Students will be introduced to the key theories and research in developmental psychology, and will use these to think about how each aspect of development lays the foundation for the next phase and the importance of context for development. Online activities and quizzes, and tutorials will provide students with the opportunity to apply understanding of developmental psychology to research questions, case studies, and students own development. Students will also contribute to and write up a research lab study report related to a key concept in developmental psychology.

Human Relationships with Animals and the Environment

PSY1HAE

Students will analyse and address questions concerning how humans interact with animals (anthrozoology) and how they interact with the natural environment (ecopsychology). There is an emphasis on developing practical solutions to challenging social issues such as the use of animals, land and water in food production, conservation of endangered species and companion animal breeding and training. Online learning materials are used to provide information about contemporary issues, with tutorials providing many opportunities for students to engage in discussion, debate and further analysis.

La Trobe Study Abroad Online

School of Engineering and Mathematical Sciences

Data-Based Critical Thinking

STA1DCT

This subject helps students evaluate data-based evidence encountered in everyday life. It provides the fundamental numeracy skills required by businesspeople, scientists, lawyers, nurses, journalists, social scientists, teachers and other professionals who need to evaluate data-based arguments, whether found in newspapers, television or on-line websites. This is achieved by a combination of studying newsworthy topics introduced in lectures, laboratory classes which encourage engagement with others and on-line quizzes that assess numeracy skills. The four themes covered in this subject are gathering useful data, turning data into information, probability and from data to decision making.

Database Fundamentals

CSE2DBF

This subject starts with an overview of the architecture and management of database systems, and a discussion of different existing database models. The main focus includes relational database analysis, design, and implementation. Students learn: relational algebra as the formal foundation of relational databases; relational conceptual design using an entity-relationship diagram; relational logical database design; foundation of normalization; security and integrity; and SQL implementation of relational database queries. Students are required to design a database application that meets the needs of a system requirement specification, and to implement the system using a commercial standard database system such as ORACLE or POSTGRESQL. In addition, a selection of advanced topics in databases will be introduced and discussed.

Inside Information Technology

CSE1IIT

Students will be provided with a general and practical introduction to information technology. It covers: fundamental principles of computer operation, the main hardware components of the computer, data storage and retrieval, introduction to system software, introduction to data communications, computer networks, the Internet; operating systems, file management systems, security, introduction to information systems; application software modules: spreadsheets, database packages, the World Wide Web.

La Trobe Study Abroad Online

School of Molecular Sciences

Climate, Sustainability and Society

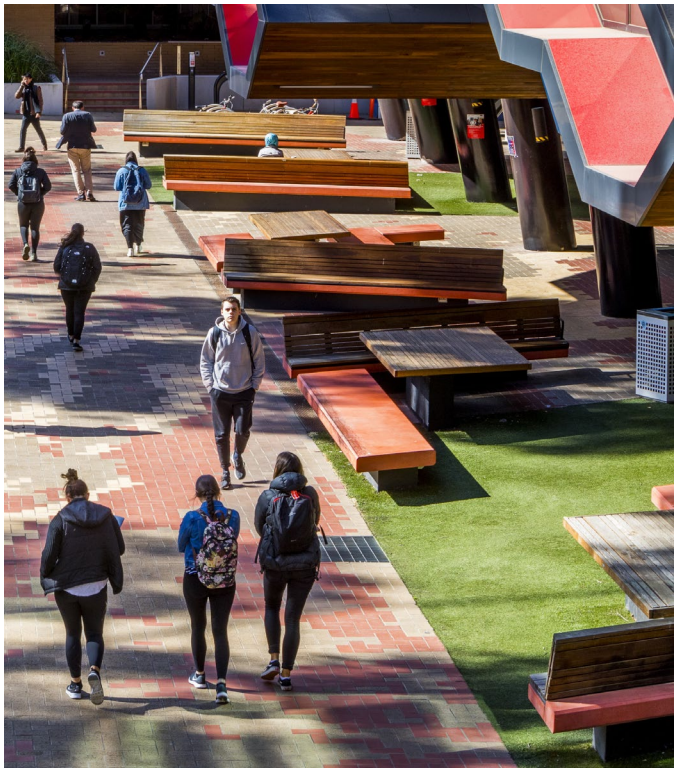
ENV1CSS

In this subject, students will examine the challenge of climate change that affects contemporary local and global societies from a multi-disciplinary approach. Students are introduced to the basic principles of the scientific, economic and sociological approaches that underpin the current debate. Through a problem-based approach, students develop a recognition and understanding of the causes and impact of climate change and the responses of science, society and business to this. This subject addresses La Trobe's Sustainability Thinking Essential. Sustainability Thinking entails deep appreciation of how our actions and choices affect the natural, economic, social, political and cultural systems-now and in the future.

Bad Science

SCI1BAD

We are increasingly faced with controversial debates occurring in our media, with different groups arguing their viewpoints, and the scientific evidence is often swamped by misreporting or distorted evidence. This subject uses a case-based approach to examine the evidence underpinning current topics of debate, and to investigate what is meant by evidence looking at the scientific process, peer-review, and the possible motivations behind research (and reporting of research), including examples of where the process has failed. Students will gain experience in analysing different sides of an argument and explaining their findings in different formats for different audiences.



La Trobe Study Abroad Online

School of Life Sciences

Infections, Pandemics and Epidemics

MIC1IPE

Infectious diseases, both new and ancient, continue to threaten wellbeing by causing localised, epidemic or pandemic disease outbreaks. Selected microorganisms will be described and compared: the main focus is the natural habitat of the organisms (reservoirs of infection), the ways in which humans can encounter the organisms (routes of infection) and the strategies available at the individual, community and global levels to prevent disease and, in the diseased patient, to cure disease.

Human Biosciences B

HBS1HBB

In this subject, students are introduced to the study of anatomy. An overview of anatomical terminology, basic tissue types and a variety of techniques used to visualize the human body will be given followed by a more detailed study of the anatomy of the musculoskeletal and nervous systems. Anatomical principles and terminology will be applied to relevant body systems and the concept of integrated function of multiple systems in one body region will be introduced through the study of the trunk.

Find Out More

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AUSTRALIA