



THE UNIVERSITY OF ARIZONA
Study Abroad

UA Sydney



BIOMEDICAL ENGINEERING

Spend a semester in Australia and study Biomedical Engineering through a global lens. At UA Sydney, hosted by University of Technology Sydney, you can choose from a variety of courses to satisfy your degree requirements, including general education with the approval of your academic advisor. To make choosing courses even easier, faculty in the College of Engineering preapproved courses to satisfy many of your Biomedical Engineering major requirements.

The best part is, you'll pay your regular University of Arizona tuition and can use financial aid and scholarships, including **AZ Excellence** and **Wildcat Excellence** awards!

Course availability varies and can be subject to change. Refer to the program webpage for current offerings.

Learn more about Global Tracks for your major, connect with your academic advisor, and start your study abroad application by visiting studyabroad.arizona.edu/global-tracks.

Please note: If you plan to apply to a health professional program, like Medical School, you must consult with your Pre-Health academic advisor to ensure the courses you choose to take abroad will be accepted by your future program as there may be some restrictions on international credits in your application. This may also require you to contact the admissions team for the specific program you intend to apply to.

Additional questions? We're here to help!

Contact the Study Abroad Team:

Email: studyabroad@arizona.edu

IG & FB: [@uastudyabroad](https://www.instagram.com/uastudyabroad)

Visit: studyabroad.arizona.edu

GLOBAL TRACKS:
Arizona Abroad Locations

UA SYDNEY COURSE	APPLICABILITY TO ENGINEERING MAJORS
37335: Differential Equations	MATH 254: Introduction to Ordinary Differential Equations
37336: Vector Calculus & Partial Differential Equations	MATH 223: Vector Calculus
41033: Integrated Electronic Systems Design	BME Department Elective, Lower Division May substitute BME 210: Intermediate Engineering Design: Electronics, Mechanisms, Controllers
41161: Biomedical Industry Frameworks	BME Department Elective, Lower Division May substitute BME 480: Translational Biomedical Engineering
41162: Fundamentals of Biomedical Engineering – Signal Processing	ENGR Department Elective, Upper Division May substitute BME 447: Sensors and Controls
43031: Python Programming for Data Processing	ELCR Department Elective, Lower Division May substitute BME 225: Introduction to Computer Programming for Biomedical Engineering or ECE 101: Programming 1
48641: Fluid Mechanics	AME 331: Introduction to Fluid Mechanics May substitute MATH 481: Mathematical Modeling of Fluid Flow Through and Around Organs and Organisms or BME 331: Introduction to Fluid Mechanics
68201: Physics 2	PHYS 103: Introductory Physics II May substitute PHYS 241: Introductory Electricity and Magnetism or PHYS 261H: Accelerated Introductory Electricity and Magnetism
91161: Cell Biology & Genetics	MCB 181R & MCB 181L: Introductory Biology I & Introductory Biology Laboratory I
91429: Physiological Bases of Human Movement	ELCR Department Elective, Lower Division May substitute PSIO 202: Human Anatomy and Physiology II or ECOL 182R & ECOL 182L: Introductory Biology II & Introductory Biology II Lab
91838: Structural Anatomy and Neuroanatomy	ELCR Department Elective, Lower Division May substitute PSIO 201: Human Anatomy and Physiology I