



## ENGINEERING MAJORS

Spend a semester in Australia and study 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 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!

UA SYDNEY COURSE	APPLICABILITY TO ENGINEERING MAJORS
<b>37181: Discrete Mathematics</b>	<b>MATH 243:</b> Discrete Mathematics
<b>37335: Differential Equations</b>	<b>MATH 254:</b> Introduction to Ordinary Differential Equations
<b>37336: Vector Calculus &amp; Partial Differential Equations</b>	<b>MATH 223:</b> Vector Calculus
<b>65111: Chemistry 1</b>	<b>CHEM 151:</b> General Chemistry I
<b>65202: Organic Chemistry I</b>	<b>CHEM 241A &amp; 243A:</b> Lectures in Organic Chemistry & Organic Chemistry Lab
<b>65212: Chemistry 2</b>	<b>CHEM 152:</b> General Chemistry II
<b>91161: Cell Biology &amp; Genetics</b>	<b>MCB 181R &amp; MCB 181L:</b> Introductory Biology I & Introductory Biology Laboratory I

Start planning by contacting your advisor: [engineering.arizona.edu/undergrad-services/advising](https://engineering.arizona.edu/undergrad-services/advising)  
Learn more and start your application: [studyabroad.arizona.edu/sydney](https://studyabroad.arizona.edu/sydney)

Additional questions? We're here to help!  
Contact the Study Abroad Team:

Email: [studyabroad@arizona.edu](mailto:studyabroad@arizona.edu)  
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**GLOBAL TRACKS:**  
*Arizona Abroad Locations*

UA SYDNEY COURSE	APPLICABILITY TO ENGINEERING MAJORS
<b>33116: Design, Data, &amp; Decisions</b>	ELCR Department Elective, Upper Division <b>May substitute SIE 305:</b> Intro to Engineering Probability & Statistics
<b>41117: Intro to Chemical Process Engineering</b>	<b>CHEE 201:</b> Elements of Chemical & Environmental Engineering I
<b>41160: Introduction to Biomedical Engineering</b>	BME Department Elective, Lower Division <b>May substitute BME 295C:</b> Challenges in Biomedical Engineering
<b>41380: Heat and Mass Transfer + 48641: Fluid Mechanics</b>	<b>CHEE 203:</b> Chemical Engineering Heat Transfer and Fluid Flow <b>*Courses must be taken together to earn this equivalency</b>
<b>41382: Unit Operations</b>	<b>CHEE 303:</b> Chemical Engineering Mass Transfer
<b>41383: Process Simulation</b>	ELCR Department Elective, Lower Division <b>Satisfies Technical or Engineering Elective</b>
<b>41384: Chemical Thermodynamics &amp; Reactor Design</b>	<b>CHEE 420:</b> Chemical Reaction Engineering
<b>41385: Process Dynamics &amp; Control</b>	<b>CHEE 413:</b> Process Control and Simulations
<b>48240: Design &amp; Innovation Fundamentals</b>	ENGR Department Elective, Lower Division <b>May substitute ENGR 102:</b> Introduction to Engineering
<b>48250: Economics &amp; Finance for Engineering Projects</b>	<b>SIE 265:</b> Engineering Management I
<b>48260: Engineering Project Management</b>	<b>SIE 457:</b> Project Management
<b>48331: Mechanics of Solids</b>	<b>AME 324A:</b> Mechanical Behavior of Engineering Materials
<b>48320: Surveying</b>	CE Department Elective, Lower Division <b>May substitute CE 251:</b> Elementary Surveying
<b>48350: Environmental &amp; Sanitation Engineering</b>	<b>CHEE 300:</b> Introduction to Water Chemistry for Engineers
<b>48352: Construction Materials</b>	CE Department Elective, Upper Division <b>May substitute CE 389:</b> Materials Testing Laboratory
<b>48353: Concrete Design</b>	<b>CE 335:</b> Structural Design in Concrete
<b>48430: Fundamentals of C Programming</b>	<b>ECE 175:</b> Computer Programming for Engineering Applications
<b>48510: Intro to Electrical &amp; Electronic Engineering</b>	<b>ECE 207:</b> Elements of Electrical Engineering
<b>48530: Circuit Analysis &amp; Design</b>	<b>ECE 320A:</b> Circuit Theory
<b>48540: Signals &amp; Systems</b>	ENGR Department Elective, Upper Division <b>Satisfies non-ECE Technical Elective</b>
<b>48821: Principles of Environmental Engineering</b>	<b>CHEE 476:</b> Wastewater Treatment System Design
<b>48840: Water Supply &amp; Wastewater Engineering</b>	<b>CHEE 370R:</b> Environmental Water Engineering
<b>48860: Pollution Control &amp; Waste Management</b>	<b>CHEE 478:</b> Introduction to Hazardous Waste Management