

TWO COUNTRIES. TWO DEGREES. ONE GLOBAL FUTURE.

DUAL DEGREE PROGRAMS

CHEMICAL ENGINEERING
DUAL DEGREE

SOFTWARE ENGINEERING
DUAL DEGREE

A partnership between:

HOW IT WORKS

TWO GLOBAL ENGINEERING QUALIFICATIONS

CHEMICAL ENGINEERING DUAL DEGREE

SOFTWARE ENGINEERING DUAL DEGREE

Gain two global engineering qualifications through a unique partnership between Monash University, Australia, and Manipal Institute of Technology (MIT), Manipal, India.

Study the first two years of the Bachelor of Technology program at MIT Manipal, transfer to Monash University in Australia to complete the final two years of your Engineering degree, and graduate in four years with two internationally recognised engineering degrees.



HOW IT WORKS

SOFTWARE ENGINEERING

Develop the skills to design, build and manage complex software systems. You will progress from strong foundations in programming and systems to advanced areas such as large-scale software design, data-driven systems, security and professional engineering practice.

YEARS 1-2

Manipal Institute of Technology, India
Bachelor of Technology in Computer Science and Engineering



MANIPAL INSTITUTE OF TECHNOLOGY
MANIPAL
(A constituent unit of MAHE, Manipal)



YEARS 3-4

Monash University, Australia
Bachelor of Software Engineering (Honours)



MONASH
University



GRADUATE WITH TWO DEGREES

On successful completion, you will be awarded:

**Bachelor of Technology
in Computer Science
and Engineering**
Manipal Institute of Technology

**Bachelor of Software
Engineering (Honours)**
Monash University



HOW IT WORKS

CHEMICAL ENGINEERING

Build expertise in the design and optimisation of chemical and process systems. You will gain knowledge in process design, materials, sustainability and safety, preparing you for roles across energy, manufacturing, pharmaceuticals and advanced materials industries.

YEARS 1-2

Manipal Institute of Technology, India
Bachelor of Technology in Chemical Engineering



MANIPAL INSTITUTE OF TECHNOLOGY
MANIPAL
(A constituent unit of MAHE, Manipal)



YEARS 3-4

Monash University, Australia
Bachelor of Chemical Engineering (Honours)



MONASH
University



GRADUATE WITH TWO DEGREES

On successful completion, you will be awarded:

**Bachelor of Technology
in Chemical Engineering**
Manipal Institute of Technology

**Bachelor of Chemical
Engineering (Honours)**
Monash University



WHY STUDY WITH US?

COMBINED BENEFITS AT MONASH AND MIT

ACADEMIC EXCELLENCE

MIT-MAHE

MAHE Manipal is one of India's leading academic and research institutions. It has been granted Institution of Eminence status by the Ministry of Education, Government of India.

MONASH ENGINEERING RANKINGS AND REPUTATION

3

in Australia for Engineering¹

59

in the world for Engineering¹

93%

of students are employed within 4 months²



Rated "well above world standard" for research³

1. Times Higher Education 2026 | 2. Graduate Outcomes Survey (QILT) | 3. ERA

A GLOBAL LEARNING EXPERIENCE

Study full-time, on campus in two countries and gain international perspective valued by employers worldwide.



SEAMLESS PATHWAY

Approved credit transfer and curriculum alignment provide a clear and supported transition from MIT to Monash University.



ACCREDITATION

Manipal Institute of Technology's Bachelor of Technology degree are All India Council for Technical Education (AICTE) accredited programs.

Monash University's Bachelor of Engineering (Honours) programs are accredited by Engineers Australia.

Further, the Software Engineering (Honours) program is dually accredited by Engineers Australia and the Australian Computer Society.



WHY STUDY WITH US?

SOFTWARE ENGINEERING

Develop, analyse and improve software to ensure it runs effectively, safely and securely.

Australian ranking for
Computer Science
and Engineering¹

2

Global ranking for
Computer Science
and Engineering¹

39

WHAT IS SOFTWARE ENGINEERING?

Software engineering is a field that's constantly evolving as new technologies emerge. As an engineer in this area, your skills will be critical across many functions – from dispensing life-saving medicine to controlling flight paths.

As a software engineer you'll use your expertise in computer science, engineering principles and programming languages to build intelligent software products that may involve artificial intelligence and machine learning components, develop games and run network control systems. You could design systems and applications tailored to specific users and their needs, and build the underlying systems that run the technology and control networks. Solve business challenges by delivering technical solutions and assess organisation's current systems and needs to create strategies for improvement.

WHAT YOU WILL LEARN IN SOFTWARE ENGINEERING

You'll learn skills in core areas such as:

ARTIFICIAL INTELLIGENCE

SOFTWARE DEVELOPMENT

COMPUTER SCIENCE

ALGORITHMS AND DATA STRUCTURES

COMPUTER ARCHITECTURE

ELECTIVE TOPICS

YOUR FUTURE SOFTWARE ENGINEERING CAREER PROSPECTS

In the age of digital transformation, new roles are constantly emerging and software engineering graduates are highly sought-after around the world. Our graduates have gone on to successful careers in top companies including:

- Tesla
- Google
- Deloitte
- NASA
- Department of Defence
- Dyson
- Telstra
- Facebook
- Bosch
- Motorola
- Amazon
- HSBC
- Uber
- Intel



I chose Monash because it has a remarkable reputation, a broad assortment of course structures, great international prospects and a dynamic range of research environments and industry connections."

Shourya Raj
Bachelor of Engineering (Honours) –
Software Engineering

SCAN THE QR CODE
TO LEARN MORE ABOUT
SOFTWARE ENGINEERING



WHY STUDY WITH US?

CHEMICAL ENGINEERING

As populations grow and resources and energy reserves decline, the demand for chemical engineers is increasing.

WHAT IS CHEMICAL ENGINEERING?

Chemical engineering blends chemistry with engineering and other fields including biological science, environmental science, nanotechnology, pharmaceutical science, mathematical modelling, artificial intelligence and digitalisation, mineral processing, management and economics. Many everyday items involve chemical engineering during some stage of their production: pharmaceuticals, computer chips, mobile phones, catalysts, food and water, critical metals extraction, and our fossil fuel and renewable energy sources, to name just a few.

Chemical engineers invent, develop, design and improve the sustainability of processes that convert raw materials into useful products, with minimal environmental impact. They're also involved with pollution control, energy generation and conservation, recovering energy from waste and renewable resources, and protection of the environment.

WHAT YOU WILL LEARN IN CHEMICAL ENGINEERING

You'll begin with the basics of chemical engineering, mass and energy balances, fluid flow and other core fundamentals. Once you reach third-year, you'll look into the design of chemical engineering plants and equipment, and how we incorporate the environmental impact and safety aspects into the design process. You can choose to specialise in two of four engineering chemical engineering technical elective topics:

BIOTECHNOLOGY

SUSTAINABLE PROCESSING

NANOTECHNOLOGY

Australian ranking for
Chemical Engineering¹

3

Global ranking for
Chemical Engineering¹

49

YOUR FUTURE CHEMICAL ENGINEERING CAREER PROSPECTS

When you graduate as a chemical engineer, you could play a leading role in solving the challenge of providing society with food, energy and water. Exciting career opportunities are also available for highly trained chemical engineers in emerging industries of nanotechnology and biotechnology. You could also have a career in law, mining, business or government. Our graduates have gone on to successful careers in top companies including:

- DuPont
- Tesla
- ExxonMobil
- PPG
- Goldman Sachs
- NASA
- Nestlé
- Tata
- BHP
- PepsiCo
- BASF
- Rio Tinto
- Glencore
- CSL
- Moderna
- Siemens



My experience in the Industry Innovation Program was a highlight of my degree as I was able to travel to Tasmania with a team of students to assist in the commissioning of a pyrolysis plant. Additionally, the opportunity also allowed me to work in industry and gain a deeper understanding of the workings of industry and how they communicate with one another to get a huge project completed on time."

Vannastra Touch

Bachelor of Chemical Engineering (Honours) and Bachelor of Pharmaceutical Science Graduate

**SCAN THE QR CODE
TO LEARN MORE ABOUT
CHEMICAL ENGINEERING**



HOW IT WORKS

WHY STUDY WITH US?

HOW TO APPLY AND FEES



WHY STUDY WITH US?

MAKE AN IMPACT WITH A STUDENT TEAM

Student Teams are groups of diverse students who work to proactively develop technology-driven solutions for social good while handling their own recruitment, marketing, sponsorships and growth.

We have teams working on assistive technologies, XR, sustainability, digital health and more.

They're a great way to gain key business skills, technical proficiency and real work examples for your resume to help you stand out to employers.

**SCAN THE QR CODE
TO LEARN MORE ABOUT
STUDENT TEAMS**



WHY STUDY WITH US?

YOUR LIFE IN MELBOURNE

WHERE TO GO, WHAT TO SEE

Melbourne is the cultural hub of Australia with so many events and festivals throughout the year!

If you're into sport, the city's sporting scene is second to none. We host many international events - including the Australian Open (tennis), Formula 1 Australian Grand Prix (car racing), Boxing Day Test (cricket) and Spring Racing Carnival (horse racing).

Finally, Melbourne is a food lover's paradise! From internationally-renowned restaurants to tiny eateries in little laneways, dining out is a true adventure. Expect to enjoy an endless variety of cuisines all year round.

TRANSPORT

Getting around Melbourne is easy with its wide range of public transport options. Explore the city on one of Melbourne's iconic trams, or venture further with our metre and regional trains. It's all safe, simple and efficient. You can also join the thousands who commute by bike.

ACCOMMODATION

There are many accommodation options for international students both on and off-campus across Melbourne. These include the:

- Clayton Residential Village
- Clayton Urban Community
- Private rentals
- Shared housing and home share program

You'll also have access to convenient public transport and an inter-campus shuttle bus - giving you even greater choice.

**SCAN THE QR CODE TO LEARN MORE ABOUT
LIVING EXPENSES AND BUDGETING**



HOW TO APPLY AND FEES

HOW TO APPLY

Students must apply for the dual degree programs using Manipal Academy of Higher Education (MAHE)'s admissions portal.

Please contact admissions@manipal.edu for information on entry requirements and how to access the admissions portal.



INTAKE

Students transferring to Monash will join the July intake and study at Monash for two years.

Note for Software Engineering students

In your final year, you will be required to undertake an industry experience studio project unit which is offered over Semester 2 (July) and the summer semester break (November to February). You must be enrolled in the face-to-face campus mode. This unit is not available via online enrolment and so holidays during this time may be restricted.

ENTRY REQUIREMENTS FOR TRANSFER

To successfully transfer to Monash University under this Dual Degree program, students must:

- Successfully complete the first two years of the appropriate Bachelor of Technology degree at Manipal Institute of Technology (Manipal campus) with an overall GPA of 6.0
- Successfully complete the units approved as equivalent to Monash University units
- Meet Monash University English language requirements of an overall IELTS score of 6.5 with no band less than 6.0 (or equivalent).
- Meet the Australian student visa requirements

Detailed academic and English language requirements will be provided at the time of application.

CONTINUOUS PROFESSIONAL DEVELOPMENT (CPD)

With support from Monash, students must complete 420 hours of continuous professional development in order to graduate.

This professional development may be in the form of:

- relevant vacation employment
- an equivalent combination of approved professional development and/or engineering employment
- coursework unit units
- seminars, online learning programs and leadership programs
- volunteer experiences and industry visits
- work experience in non-engineering and engineering related companies

Students are required to submit a series of reflections on their CPD with particular reference to development of each of the key Engineers Australia Stage 1 competencies.

FEES

2026 annual tuition fee for Monash's Bachelor of Engineering (Honours) is A\$59,600.

Monash reserves the right to adjust tuition fees for future years of your course. Adjustments will be applied on the first day of January each year for teaching periods.

STUDY GRANTS

We're committed to seeking out, rewarding and supporting our engineering students who want to change the world for the better. All Manipal Institute of Technology-Monash dual degree transfer students will be automatically assessed for an International Study Grant offer.

Study Grants are offered at \$10,000 AUD per year for a maximum duration of 2 years.

APPLY NOW

For enquiries and information
on how to apply:

Office of Alumni,
Public and International Relations,
Manipal Institute of Technology, Manipal

intl.mit@manipal.edu

Supported by



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Disclaimer: The information in this brochure was correct at the time of publication (February 2026). Monash University reserves the right to alter this information should the need arise. You should always check with Monash University when considering a course.