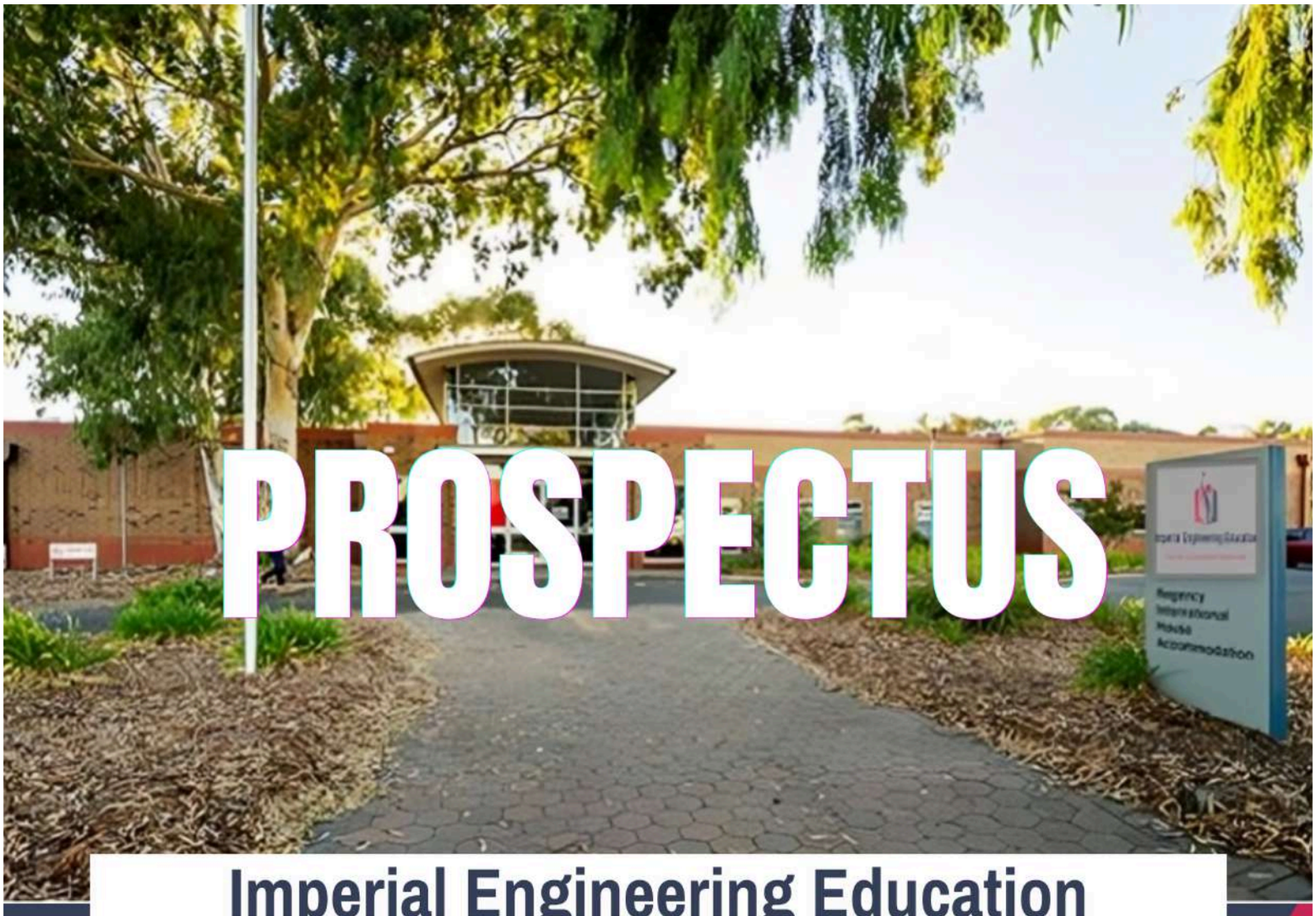

PROSPECTUS

Imperial Engineering Education

For An Innovative Tomorrow

Imperial Engineering Education
For An Innovative Tomorrow

StudyADELAIDE
SOUTH AUSTRALIA

Australian Qualifications Framework

ABN - 95 653 094 789

TEQSA Provider ID: PRV14379 • CRICOS Provider ID: 04229B

Imperial Engineering Education
For An Innovative Tomorrow

Welcome Students

Imperial Engineering Education inspires the next generation of Engineering Technologists and Managers who will be committed to positively contribute to the betterment of our society. Our graduates will not only demonstrate industry-relevant skills, knowledge, and attributes but also have deep appreciation for sustainable engineering and management practices.

We aim to inspire a new generation of sustainability champions and help young people make positive choices for a brighter future in Advanced Manufacturing, Renewable Energy and Engineering Management.

Kalyan Kshatri
CEO
Imperial Engineering Education

Empowering Future Engineers for a Sustainable Tomorrow

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About Us

Imperial Engineering Education (CRICOS Provider No: 04229B) is a registered higher provider under the tertiary education Quality and Standards Agency Act 2011 (the TEQSA Act). Imperial is committed to provide outstanding teaching and learning environment that will equip our students with the required skills to embark into the current and future engineering and management workforce.

We specialize in delivering high-quality, industry-relevant education. Our goal is to prepare students for the evolving demands of the engineering and its management, combining rigorous academic training with hands-on practical experience.

Founded on the principles of innovation and excellence, Imperial Engineering Education offers a range of undergraduate and postgraduate programs designed to develop both technical skills and leadership qualities. Our cutting-edge curriculum is designed in collaboration with industry leaders, ensuring that our students are equipped with the knowledge and skills that are in high demand in today's competitive job market.

Courses Offered

Master of Engineering Management

CRICOS COURSE CODE: 120744F

Graduate Diploma in Engineering Management

CRICOS COURSE CODE: 120743G

Graduate Certificate in Engineering Management

CRICOS COURSE CODE : 120742H

Bachelor of Engineering Technology

(Advanced Manufacturing)

CRICOS COURSE CODE: 115315C

Bachelor of Engineering Technology

(Renewable Energy)

CRICOS COURSE CODE: 115314D

Diploma of Engineering Technology

CRICOS COURSE CODE: 120741J

Undergraduate Certificate in Engineering Foundations

Master of Engineering Management (MEM)

CRICOS COURSE CODE: 120744F

Duration:
2 years (full time)

AQF 9

Study Mode:
Hybrid (on-campus and online)

The Master of Engineering Management provides advanced knowledge and integrated skills for leadership within engineering and technical organisations. This program focuses on strategic decision making, innovation, and the management of complex engineering systems. The course is designed for professionals seeking to lead teams, projects, and organisations in dynamic environments.

Career Outcomes:
Graduates may pursue senior roles such as engineering managers, project managers, operations managers, and technical leaders across a range of industries. The qualification prepares graduates for strategic leadership positions and supports career progression into executive and specialised management roles.

Career Pathways:
Engineering Manager | Project Manager | Operations Manager | Program Manager | Technical Manager | Engineering Consultant | Asset Manager | Facilities Manager | Quality Manager | Supply Chain Manager | Business Improvement Manager | Innovation Manager

Course Structure:
This course is delivered over four (4) semesters.
Each semester will run for 16 weeks, which includes 12 weeks of delivery, three (3) weeks of reflection and student consultation followed by one week of major assessment. These three (3) weeks will ensure additional support for students and consolidate their learning through the semester. Each unit will typically have four (4) compulsory contact hours per week and students are expected to undertake a further six (6) hours of self-directed study each week.

Pre-requisites and/or co-requisites are noted on the unit outline. To be eligible to graduate, students must complete a total of 160 credit points.

Core Units	Credit Value
MEM01 Leadership and Organisational Behaviour	10
MEM02 Cost Engineering	10
MEM03 Project Management	10
MEM04 Systems Engineering	10
MEM05 Data Analytics and Decision Making	10
MEM06 Sustainability and Environmental Management	10
MEM07 Innovation and Entrepreneurship	10
MEM08 Marketing Management	10
MEM09 Law and Ethics in Engineering	10
MEM10 Human Resources Management	10
MEM11 Strategic Management	10
MEM12 Research Methods in Engineering	10
MEM13 Artificial Intelligence Implications and Applications	10
MEM14 Operations Management	10
MEM15 Masters' Research Project	20

Course Learning Outcomes

CLO	Description
CL01	Critically evaluate engineering management theories, principles and frameworks and their application in driving organisational transformation.
CL02	Synthesise and appraise interdisciplinary management tools, techniques and emerging technologies to inform strategic decision making and that enhance organisational sustainability and efficiency.
CL03	Critically assess and manage engineering project risks, using quantitative and qualitative methods to enhance operational efficiency in dynamic engineering environments.
CL04	Conduct and disseminate applied research in engineering management, advancing theoretical and practical knowledge by leveraging data analytics and decision making frameworks to address engineering challenges and inform sustainable industry practices.
CL05	Articulate complex engineering management challenges and solutions with clarity and precision in written and oral formats, ensuring the effective exchange of information between technical and non-technical stakeholders.
CL06	Lead organisational innovation and entrepreneurship in engineering contexts, using technological advancements and strategic management principles to drive growth, enhance operational efficiency, and foster sustainable business practices.
CL07	Integrate sustainability and ethical decision-making within the engineering management process, ensuring all engineering solutions adhere to global standards, ethical behaviour, and social responsibility.
CL08	Collaboratively engage with stakeholders from diverse engineering disciplines to co-create strategic solutions, emphasising teamwork, collective intelligence, and the integration of diverse perspectives.

Tuition Fee (in Australian Dollars)

Fee Category	Amount
Tuition Fees	$55,000
Non-Tuition Fees	$5,000

Graduate Diploma in Engineering Management

CRICOS COURSE CODE: 120743G

Duration:	AQF 8	*Study Mode:*
1 Year Full Time		Hybrid (on-campus and online)

The Graduate Diploma of Engineering Management builds on foundational management knowledge, equipping graduates with advanced skills in engineering leadership, project management, and strategic decision-making. It is designed for professionals seeking to deepen their expertise in managing engineering teams and complex technical projects.

Career Outcomes:
Graduates may pursue roles in engineering project management, operations leadership, and strategic planning within engineering and related industries. This qualification supports progression into senior management pathways.

Career Pathways:
Project Coordinator | Assistant Project Manager | Engineering Supervisor | Operations Coordinator | Quality Coordinator | Technical Team Leader | Maintenance Coordinator | Facilities Coordinator | Process Improvement Officer | Engineering Management Associate

Course Structure:
This course is delivered over two (2) semesters
Each semester will run for 16 weeks, which includes 12 weeks of delivery, three (3) weeks of reflection and student consultation followed by one week of major assessment. These three (3) weeks will ensure additional support for students and consolidate their learning through the semester. Each unit will typically have four (4) compulsory contact hours per week and students are expected to undertake a further six (6) hours of self-directed study each week.

Pre-requisites and/or co-requisites are noted on the unit outline. To be eligible to graduate, students must complete a total of 80 credit points.

Core Units	Credit Value
MEM01 Leadership and Organisational Behaviour	10
MEM02 Cost Engineering	10
MEM03 Project Management	10
MEM04 Systems Engineering	10
MEM05 Engineering Risk Management	10
MEM06 Engineering Research Methods	10
MEM07 Innovation and Enterpreneurship	10
MEM08 Strategic Engineering Management	10

Course Learning Outcomes

CLO	Description
CL01	Critically evaluate engineering management theories, principles and frameworks and their application in driving organisational transformation.
CL02	Synthesise and appraise interdisciplinary management tools, techniques and emerging technologies to inform strategic decision making and that enhance organisational sustainability and efficiency.
CL03	Critically assess and manage engineering project risks, using quantitative and qualitative methods to enhance operational efficiency in dynamic engineering environments.
CL04	Conduct and disseminate applied research in engineering management, advancing theoretical and practical knowledge by leveraging data analytics and decision making frameworks to address engineering challenges and inform sustainable industry practices.
CL05	Articulate complex engineering management challenges and solutions with clarity and precision in written and oral formats, ensuring the effective exchange of information between technical and non-technical stakeholders.
CL06	Lead organisational innovation and entrepreneurship in engineering contexts, using technological advancements and strategic management principles to drive growth, enhance operational efficiency, and foster sustainable business practices.
CL07	Integrate sustainability and ethical decision-making within the engineering management process, ensuring all engineering solutions adhere to global standards, ethical behaviour, and social responsibility.
CL08	Collaboratively engage with stakeholders from diverse engineering disciplines to co-create strategic solutions, emphasising teamwork, collective intelligence, and the integration of diverse perspectives.

Tuition Fee (in Australian Dollars)

Fee Category	Amount
Tuition Fees	$25,000
Non-Tuition Fees	$2,500

Graduate Certificate in Engineering Management

CRICOS COURSE CODE: 120742H

Duration:	AQF 8	*Study Mode:*
6 Months (full time)		Hybrid (on-campus and online)

The Graduate Certificate in Engineering Management provides a foundational understanding of engineering management principles, preparing professionals for leadership roles in engineering environments. It introduces key concepts in project management, cost engineering, and organisational behaviour.

Career Outcomes:
Graduates may pursue roles in engineering coordination, junior project management, and technical team leadership. This qualification also provides a pathway into the Graduate Diploma and Master of Engineering Management.

Career Pathways:
Junior Project Coordinator | Engineering Coordinator | Technical Officer | Team Leader | Operations Assistant | Quality Assistant | Maintenance Planner | Project Support Officer | Engineering Administration Officer | Technical Support Coordinator

Course Level:
AQF 8 (Graduate Certificate) – Graduates will have advanced knowledge and skills in a specialised area of study, building on prior tertiary qualifications. They will demonstrate well-developed cognitive, technical, and communication skills to analyse, evaluate, and apply knowledge to a range of complex problems. Graduates will have the ability to undertake professional or highly skilled work and/or further learning.

Course Structure:
This course is delivered over one (1) semester.
Each semester will run for 16 weeks, which includes 12 weeks of delivery, three (3) weeks of reflection and student consultation followed by one week of major assessment. These three (3) weeks will ensure additional support for students and consolidate their learning through the semester. Each unit will typically have four (4) compulsory contact hours per week and students are expected to undertake a further six (6) hours of self-directed study each week.

Pre-requisites and/or co-requisites are noted on the unit outline. To be eligible to graduate, students must complete a total of 40 credit points.

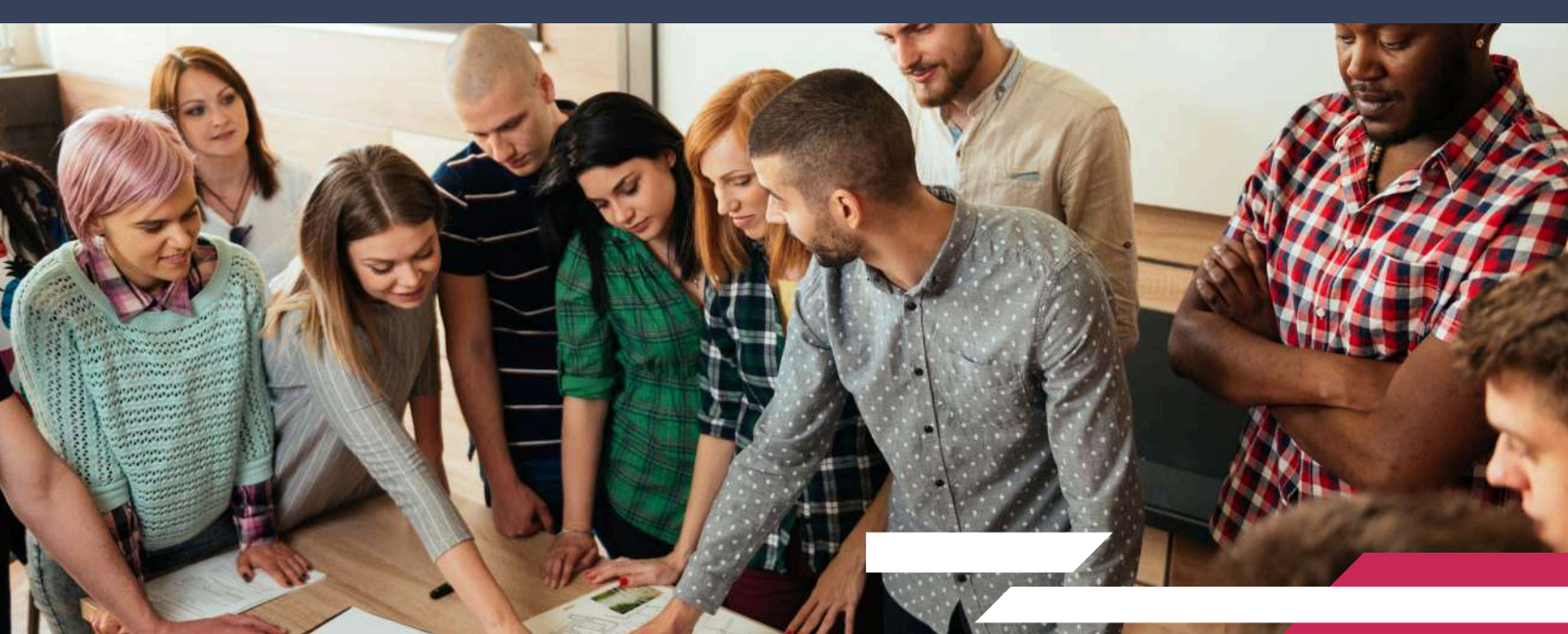
Core Units	Credit Value
MEM01 Leadership and Organisational Behaviour	10
MEM02 Cost Engineering	10
MEM03 Project Management	10
MEM04 Systems Engineering	10

Course Learning Outcomes

CLO	Description
CL01	Evaluate engineering management theories, principles and frameworks and their application in organisational contexts.
CL02	Apply interdisciplinary management tools, techniques and emerging technologies to support decision making that enhances organisational sustainability and efficiency.
CL03	Assess and manage engineering project risks, using quantitative and qualitative methods to support operational efficiency in engineering environments.
CL04	Communicate engineering management concepts and solutions clearly in written and oral formats, ensuring effective information exchange between technical and non-technical stakeholders.
CL05	Integrate sustainability and ethical considerations within engineering management processes, ensuring solutions adhere to professional standards and social responsibility.

Tuition Fee (in Australian Dollars)

Fee Category	Amount
Tuition Fees	$10,000
Non-Tuition Fees	$1,250



Postgraduate Academic Entry Requirements

Course	Academic Entry Requirement	English Language Requirements
Master of Engineering Management (MEM)	An AQF Level 8 Bachelor (Honors) or an AQF Level 7 Bachelor degree (or recognised international equivalent) in engineering, engineering technology, or a closely related STEM discipline, with a minimum GPA of 4.5 out of 7 (or equivalent); OR an AQF Level 7 Bachelor degree in any discipline plus a minimum of two (2) years of full-time equivalent professional work experience in an engineering or management context.	IELTS 6.5 overall, no band < 6.0 (or equivalent — see Table 6B above)
Graduate Diploma of Engineering Management (GDEM)	An AQF Level 8 Bachelor (Honors) or an AQF Level 7 Bachelor degree (or recognised international equivalent) in engineering, engineering technology, or a closely related STEM discipline; OR an AQF Level 7 Bachelor degree in any discipline plus a minimum of two (2) years of full-time equivalent professional work experience in an engineering or management context.	IELTS 6.5 overall, no band < 6.0 (or equivalent — see Table 6B above)
Graduate Certificate in Engineering Management (GCEM)	An AQF Level 8 Bachelor (Honors) or An AQF Level 7 Bachelor degree (or recognised international equivalent) in any discipline.	IELTS 6.5 overall, no band < 6.0 (or equivalent — see Table 6B above)

English Language Requirements

Test	IELTS Academic	TOEFL iBT	PTE Academic	Cambridge CAE	OET
MEM	6.5 overall No band < 6.0	Overall ≥79 No sub-score < 18	Overall ≥58 No skill < 50	Overall ≥176 No component < 169	Grade B in all four components
GDEM	6.5 overall No band < 6.0	Overall ≥79 No sub-score < 18	Overall ≥58 No skill < 50	Overall ≥176 No component < 169	Grade B in all four components
GCEM	6.5 overall No band < 6.0	Overall ≥79 No sub-score < 18	Overall ≥58 No skill < 50	Overall ≥176 No component < 169	Grade B in all four components

Bachelor of Engineering Technology

(Advanced Manufacturing)

CRICOS COURSE CODE: 115315C

Duration:
3 Years (full time - 6 semesters)

AQF 7

Study Mode:
On-Campus

Course Rationale :
This course prepares students to be engineering technologists in advanced manufacturing and meet the graduate attributes. A recent report from Engineers Australia identified that engineering technologists will be in great demand as the engineering sector seeks to focus on applied practical skills to meet the needs of the future workforce. Advanced Manufacturing is a Federal and State government priority area with new funding streams available for innovation in the manufacturing sector and Imperial's students will be learning within companies that access government support to innovate.

South Australia has a strong manufacturing base with a number of defence projects commencing in the next decade. Imperial will create strong industry partnerships and a focus on work-place integrated learning so that graduates are work ready, they will be proficient in applying knowledge of science and engineering fundamentals and in-depth competence and understanding in Advanced Manufacturing.

Graduates will collaborate with engineering team members and be problem solvers, particularly as the partnerships with industry will ensure engagement in work-based and action-based learning approaches. Projected shortages of engineer technologists in advanced manufacturing may increase the demand for graduates studying this course as employers will require workers to meet growth in manufacturing projects.

Graduates from this course can gain employment in a number of industries utilising advanced manufacturing or decide to continue their studies to become professional engineers.

Career Pathways:
Product Design Engineer | Process Engineer | Engineering Specialist | Facilities Manager | Production Manager | Quality Engineer | Automation Specialist

Course Level: AQF 7 (Bachelor Degree)
Graduates will have broad and coherent knowledge of engineering technology principles, with specialised knowledge in renewable energy systems and applications. They will demonstrate well developed technical, analytical, problem-solving and communication skills, with the ability to apply engineering technology solutions to complex and varied industry contexts. Graduates will be prepared for professional engineering technologist roles and/or further study.

Bachelor of Engineering Technology (Advanced Manufacturing) Core Units

Core Units (Year 1)	Credit Value
MTH100 Engineering Mathematics 1	10
MTH110 Engineering Mathematics 2	10
PHY100 Engineering Physics: Mechanics	10
PHY110 Engineering Physics: Electromagnetism	10
EIT100 Programming for Engineers	10
ENG100 Introduction to Engineering Technology	10
ENP100 Engineering Practice 1: Technology in a Social Context Project	10
ENP110 Engineering Practice 2: CAD and 3D Printing Project	10

Core Units (Year 2)	Credit Value
ENG210 Engineering Materials	10
ENG220 Embedded Systems	10
ENG230 Transducers, Sensors, Actuators and Control	10
ENG240 Artificial Intelligence and Virtual Reality Systems	10
ENP200 Engineering Practice 3: Sustainability Project	10
ENP220 Engineering Practice 4: Project Management, Finance and Organisational Structures	10
AMF200 Quality Management Systems	10
AMF210 Introduction to Advanced Manufacturing	10

Core Units (Year 3)	Credit Value
AMF310 Design for Manufacture and Assembly	10
AMF320 Computer Integrated Manufacturing	10
AMF330 Advanced Manufacturing and Logistics	10
ENP300 Engineering Practice 5: Industry Project	20
ENP310 Engineering Practice 6: Industry Capstone Project (Advanced Manufacturing)	20

Elective (Choose One)	Credit Value
REE200 Renewable Energy Technology	10
OR	
REE210 Power Electronics and Storage Technologies	10

Course Learning Outcomes

CLO	Description
CL01	Acquire and apply technical knowledge in Advanced Manufacturing engineering, including theories, principles, and concepts to evaluate processes and sustainable technology solutions to real-world problems.
CL02	Appraise and apply Advanced Manufacturing engineering methods, tools and techniques to generate innovative and creative solutions to complex real-world problems in diverse environmental, technical, and social contexts.
CL03	Critically analyse and evaluate Advanced Manufacturing engineering principles, products and design processes to inform evidence-based decision making enabling successful delivery of related engineering projects.
CL04	Apply systematic problem solving and project management skills to propose and implement ethical and sustainable manufacturing solutions with intellectual independence and cultural sensitivity.
CL05	Communicate engineering concepts, frameworks and designs taking responsibility for reviewing personal and professional performance, continuing professional development and lifelong learning.
CL06	Demonstrate a commitment to integrity, ethical conduct, professional accountability, and an awareness of professional engineering practice in a global and sustainable context.
CL07	Work collaboratively in diverse, multi-disciplinary and multi-level teams to produce solutions to engineering challenges.

Tuition Fee (in Australian Dollars)

Fee Category	Amount
Tuition Fees	$75,000
Non-Tuition Fees	$4,200

Projects for your future career

(Advanced Manufacturing)

CRICOS COURSE CODE: 115315C

The Bachelor of Engineering Technology in Advanced Manufacturing offered by Imperial Engineering Education equips graduates with a diverse skill set that aligns with the requirements of three key national initiatives: Net Zero Transition, Made in Australia, and Transition to Nuclear Submarines (AUKUS).

Net Zero Transition:
Graduates will be well-positioned to contribute to the development of sustainable technologies aimed at reducing carbon emissions. The course's focus on sustainability, combined with technical knowledge in areas like engineering materials, digital modelling, embedded systems, and control, enables students to design and implement energy-efficient solutions. This expertise is essential for industries shifting towards renewable energy and green manufacturing processes to support the net-zero emissions target.

Made in Australia:
With the growing emphasis on strengthening Australia's manufacturing capabilities, graduates of this program will be key contributors to the "Made in Australia" initiative. The course's strong focus on advanced manufacturing techniques, artificial intelligence, digital modelling, additive manufacturing and virtual reality systems ensures that students gain the practical skills required to drive innovation and productivity in the domestic manufacturing sector, fostering self-sufficiency and technological advancement within the country.

Transition to Nuclear Submarines (AUKUS):
The integration of units in computer programming, digital modelling, additive manufacturing, control systems, transducers, sensors, and embedded systems provides graduates with the technical competencies critical for contributing to Australia's defence projects, including the AUKUS submarine initiative. Their knowledge in project management, quality systems, and engineering materials will also allow them to play a role in designing, building, and maintaining complex, high-tech systems required for nuclear-powered submarines, while adhering to the highest standards of safety and precision.

In summary, the comprehensive curriculum offered by Imperial Engineering, supported by active learning andragogy, prepares graduates to meet the needs of emerging industries in these three vital strategic areas, as well as other traditional areas ensuring they have the knowledge, skills, and innovation to drive Australia's future growth.

Bachelor of Engineering Technology

(Renewable Energy)

CRICOS COURSE CODE: 115314D

Duration:	AQF 7	*Study Mode*:
3 Years (full time)		On-Campus

Course Rationale
The course prepares students to be engineering technologists in renewable energy and meet the graduate attributes as outlined by Engineers Australia. Global renewable energy job opportunities are expected to grow over the short to medium term and Imperial's students will be learning alongside companies who are innovating in the renewable energy sector.

Graduates from this course will be proficient in applying knowledge of science and engineering fundamentals and in-depth competence and understanding in renewable energy.

They will collaborate with engineering team members and be problem solvers, particularly as the course will have strong partnerships with Industry and engage in work-based and action-based learning approaches. This course allows students to gain a relevant qualification in three years. Projected shortages of engineer technologists in renewable energy may increase the demand for graduates studying this course as employers will require workers to meet growth in the renewable energy sector.

Graduates from this course can gain employment in the industry or decide to continue their studies to become professional engineers.

Career Pathways:
Renewable Energy Project Designer Or Manager | Renewable Energy Power Generation Engineering (Hydro, Wind, Biomass) | Grid Connection Engineer | Power Systems Engineer | Process Engineer And Analyst | Electrified Transportation Engineer | Solar PV Engineer | Renewable Energy Modeller/analyst | Microgrid, Electric Mobility And Battery Storage Engineer | Renewable Energy Entrepreneur | Renewable Energy Accountant, Auditor, Innovator, Or Consultant

Course Level: AQF 7 (Bachelor Degree)
Graduates will have broad and coherent knowledge of engineering technology principles, with specialised knowledge in renewable energy systems and applications. They will demonstrate well developed technical, analytical, problem-solving and communication skills, with the ability to apply engineering technology solutions to complex and varied industry contexts. Graduates will be prepared for professional engineering technologist roles and/or further study.

Bachelor of Engineering Technology (Renewable Energy) Core Units

Core Units (Year 1)	Credit Value
MTH100 Engineering Mathematics 1	10
MTH110 Engineering Mathematics 2	10
PHY100 Engineering Physics: Mechanics	10
PHY110 Engineering Physics: Electromagnetism	10
EIT100 Programming for Engineers	10
ENG100 Introduction to Engineering Technology	10
ENP100 Engineering Practice 1: Technology in a Social Context Project	10
ENP110 Engineering Practice 2: CAD and 3D Printing Project	10

Core Units (Year 2)	Credit Value
ENG210 Engineering Materials	10
ENG220 Embedded Systems	10
ENG230 Transducers, Sensors, Actuators and Control	10
ENG240 Artificial Intelligence and Virtual Reality Systems	10
ENP200 Engineering Practice 3: Sustainability Project	10
ENP220 Engineering Practice 4: Project Management, Finance and Organisational Structures	10
REE200 Renewable Energy Technology	10
REE210 Power Electronics and Storage Technologies	10

Core Units (Year 3)	Credit Value
REE300 Power Systems and Renewable Energy	10
REE310 Control of Power Systems	10
REE320 Smart Grid and Energy Management Systems	10
ENP300 Engineering Practice 5: Industry Project	20
ENP315 Engineering Practice 6: Industry Capstone Project (Renewable Energy)	20

Elective (Choose One)	Credit Value
AMF200 Quality Management Systems	10
OR	
AMF210 Introduction to Advanced Manufacturing	10

Course Learning Outcomes

CLO	Description
CL01	Apply knowledge of engineering mathematics, physics, programming, and core engineering sciences to renewable energy engineering practice.
CL02	Analyse and solve routine and moderately complex renewable energy engineering problems using established principles and analytical techniques.
CL03	Design, evaluate, and implement renewable energy solutions—including solar, wind, storage, and power systems—integrating technical, environmental, and economic considerations.
CL04	Use industry-standard tools, software, and laboratory methods relevant to renewable energy engineering, including power electronics, smart grids, and energy management systems.
CL05	Communicate effectively in professional engineering contexts, including documentation, presentations, and teamwork within multidisciplinary and multicultural environments.
CL06	Apply professional and ethical standards consistent with Engineers Australia graduate competencies, with an understanding of sustainability, safety, and regulatory frameworks in renewable energy.
CL07	Demonstrate readiness for professional engineering technologist practice through applied projects, Work-Integrated Learning (WIL), and engagement with renewable energy industry practices.

Tuition Fee (in Australian Dollars)

Fee Category	Amount
Tuition Fees	$75,000
Non-Tuition Fees	$4,200

Projects for your future career

(Renewable Energy)

CRICOS COURSE CODE: 115314D

The Bachelor of Engineering Technology in Renewable Energy offered by Imperial Engineering Education equips graduates with vital knowledge and skills that align with the demands of three key national projects: Net Zero Transition, Made in Australia, and Transition to Nuclear Submarines (AUKUS).

Net Zero Transition:
This program prepares students to be at the forefront of Australia's shift toward renewable energy. By gaining expertise in renewable energy technologies, power electronics, storage systems, and smart power grids, graduates will be equipped to design, manage, and implement sustainable energy solutions. Their understanding of control systems, power management, and digital modelling enables them to contribute to large-scale renewable projects, energy-efficient systems, and smart grid development—key components of the national drive toward net-zero emissions.

Made in Australia:
Graduates of this course will play a crucial role in strengthening Australia's renewable energy industry, supporting the "Made in Australia" initiative. With skills in digital modelling, artificial intelligence, embedded systems, and power electronics, they will be able to contribute to the domestic production and innovation of renewable energy technologies, such as solar panels, wind turbines, and energy storage solutions. This will enhance Australia's capability to produce clean energy technologies locally, fostering energy independence and boosting the local economy.

Transition to Nuclear Submarines (AUKUS):
For Australia's defence sector, particularly the AUKUS program, graduates' knowledge of energy storage, smart grids, and control systems will be invaluable. Advanced power management and renewable energy expertise can be applied to the design of energy efficient systems for defence applications, including nuclear-powered submarines. Their skills in digital modelling, sensors, and control systems will ensure the development of reliable and efficient energy solutions within these high-tech projects.

In summary, the comprehensive curriculum offered by Imperial Engineering, supported by active learning andragogy, prepares graduates to meet the needs of emerging industries in these three vital strategic areas, as well as other traditional areas ensuring they have the knowledge, skills, and innovation to drive Australia's future growth.

Diploma of Engineering Technology

CRICOS COURSE CODE: 120741J

Duration:
1 Year

AQF 5

Study Mode:
On-Campus

The Diploma of Engineering Technology provides practical and applied knowledge in core engineering principles. It focuses on developing technical skills, problem-solving abilities, and foundational understanding required in engineering environments. The course is designed for students seeking entry into technical roles or progression into higher-level engineering qualifications.

Career Outcomes: Graduates may pursue entry-level roles such as engineering support officers, technical assistants, or paraprofessional positions across various engineering fields. The qualification also provides a pathway into further study, including progression into a Bachelor of Engineering Technology.

Course Level: AQF 5 (Diploma) – Graduates will have a broad understanding of their chosen field with a focus on practical and applied knowledge. They will demonstrate well-developed technical and communication skills, with the ability to apply solutions to a defined range of predictable and sometimes unpredictable problems. Graduates will have specialised knowledge in one or more areas and the skills required for paraprofessional work and/or further study.

Course Structure: This course is delivered over two (2) semesters
Each semester will run for 16 weeks, which includes 12 weeks of delivery, three (3) weeks of reflection and student consultation followed by one week of major assessment. These three (3) weeks will ensure additional support for students and consolidate their learning through the semester. Each unit will typically have five (5) compulsory contact hours per week and students are expected to undertake a further five hours of self-directed study each week.

Pre-requisites and/or co-requisites are noted on the unit outline. To be eligible to graduate, students must complete a total of 80 credit points.

Engineering Technology Core Units:	Credit Value
MTH100 Engineering Mathematics 1	10
MTH110 Engineering Mathematics 2	10
PHY100 Engineering Physics: Mechanics	10
PHY110 Engineering Physics: Electromagnetism	10
EIT100 Programming for Engineers	10
ENG100 Introduction to Engineering Technology	10

Engineering Practice Core Units:	Credit Value
ENP100 Engineering Practice 1: Technology in a Social Context Project	10
ENP110 Engineering Practice 2: CAD and 3D Printing Project	10

Course Learning Outcomes

CLO	Description
CL01	Apply foundational knowledge of mathematics, physics, and engineering sciences to solve routine technical problems in engineering environments.
CL02	Use industry-standard tools, software, and computer-aided design (CAD) systems to produce engineering drawings and technical documentation.
CL03	Identify and select appropriate engineering materials for manufacturing and engineering applications.
CL04	Communicate technical information effectively in written and verbal formats within professional engineering contexts.
CL05	Apply safe work practices and organisational procedures in manufacturing and engineering environments.
CL06	Demonstrate self-management skills and the ability to work effectively as part of an engineering team.

Tuition Fee (in Australian Dollars)

Fee Category	Amount
Tuition Fees	$25,000
Non-Tuition Fees	$1,400

Undergraduate Certificate in Engineering Foundations

Duration:
6 Months (full time)

Study Mode:
On-Campus

The Undergraduate Certificate in Engineering Foundations provides an introduction to core engineering concepts and academic skills required for further study. It focuses on building fundamental knowledge in mathematics, science, and engineering principles. The course is designed as a pathway qualification to support successful transition into higher education.

Career Outcomes:
Graduates may pursue entry-level roles within technical or operational environments; however, the primary purpose of this qualification is to support progression into further study. Students may continue into diploma or bachelor-level engineering programs to develop specialised technical and professional capabilities.

Course Level:
AQF 5 (Undergraduate Certificate) – Graduates will have a broad understanding of their chosen field with a focus on practical and applied knowledge. They will demonstrate well-developed technical and communication skills, with the ability to apply solutions to a defined range of predictable and sometimes unpredictable problems. Graduates will have specialised knowledge in one or more areas and the skills required for paraprofessional work and/or further study.

Course Structure:
Each semester will run for 16 weeks, which includes 12 weeks of delivery, three (3) weeks of reflection and student consultation followed by one week of major assessment. These three (3) weeks will ensure additional support for students and consolidate their learning through the semester. Each unit will typically have five (5) compulsory contact hours per week and students are expected to undertake a further five hours of self-directed study each week.

Pre-requisites and/or co-requisites are noted on the unit outline. To be eligible to graduate, students must complete a total of 40 credit points.

Core units:	Credit Value
MTH100 Engineering Mathematics 1	10
PHY100 Engineering Physics: Mechanics	10
EIT100 Programming for Engineers	10
ENP100 Engineering Practice 1: Technology in a Social Context Project	10

Academic Requirements

(For Bachelor and Diploma Programs)

To satisfy the General Entry Requirements for admission to an undergraduate course at the Institute, applicants must meet at least one of the following academic entry requirements (a, b, c, d & e) and at least one of the mathematics pre-requisites requirements (f, g, h):

a) successful completion of Australian Standard Year 12 or equivalent with a minimum ATAR of 60 or equivalent or

b) satisfactory completion of an accredited Tertiary Foundation Program, offered by an Australian university or other accredited institution that would enable students to gain entry to an Australian university or

c) successful completion of a relevant Cert IV or higher in higher education preparation or engineering related field, or

d) successful completion of at least 2 units or subjects at Australian higher education institution, or

e) completion of Skills for Tertiary Admission Test (STAT) prepared by ACER with a minimum score of 150. AND

f) Australian Standard Year 12 or equivalent Mathematical Methods with a minimum score of 40 percent, or

g) successful completion of Aptitude for Engineering and Computer Science Assessment (AEA) prepared by ACER, or

h) ACER Mathematics Assessment for Incoming Students (AMAIS) with a minimum score of 70 percent in foundation level and 60 percent in intermediate level.

English Requirements

Applicants for whom English is not their principal language or who have not completed a secondary or tertiary education in English are required to demonstrate sufficient proficiency in English.

English proficiency can be demonstrated by providing proof of an International English Language Testing System (IELTS) test result (or equivalent alternative test result as defined by the Australian Authorities) that meets the minimum level of English proficiency of EAP IELTS overall score of 6.0 with no individual band lower than 5.5.

International students may have the English Language proficiency requirement waived at the discretion of the Academic Dean if the applicant has undertaken substantial prior study in Australia (AQF Certificate IV or higher) within the last two years under a student visa, in accordance with the guidelines specified by the Department of Home Affairs via the web-evidentiary tool.

The Institute will also accept successful completion of an English for Academic Purposes course at a higher education provider registered by the Tertiary Education Quality and Standards Agency or a registered training organisation with the Australian Skills Quality Authority, ELICOS or NEAS.

Non-Tuition Fee (in Australian Dollars)

Fee Category	Amount (AUD)
Application Fee	$500.00
Late payment of tuition fee (per week)	$50.00
Deferral of studies fee	$350.00
Airport pick-up fee	$500.00
Replacement Testamur fee	$100.00
Interim transcript fee	$500.00
Replacement Student ID fee	$20.00
Late return of library books fee	$50.00
Withdrawal Fee	$500.00
Credit Transfer Fee	$500.00
COE Cancellation Fee	$500.00

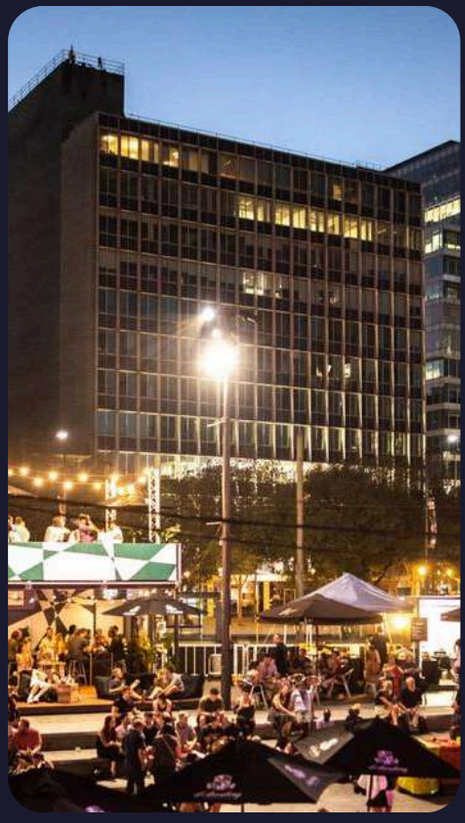
Credit and Recognition of Prior Learning (RPL):
Credit and recognition of prior learning or 'credit' is the recognition of relevant and equivalent prior study or informal learning completed by students which may lead to a reduction in the number of academic units or credit points that are required to successfully complete a course at the Institute.
Credit and recognition of prior learning may be given for specific units as well as specified and unspecified electives.

Applications for credit and recognition of prior learning must be submitted prior to commencing first term at the Institute. All applicants should complete the Credit Application Form and submit this application together with the following documentation to the Student Services Manager:

a) certified copies of academic transcripts (or certified translations of academic transcripts for international applicants from non-English speaking institutions)

b) unit outlines and/or course descriptions providing adequate details of unit/course content to establish specific equivalence (in certified translation where required).
Applicants for credit based on grounds other than formal learning will be required to submit a portfolio of documentation and may be required to attend an interview to establish professional competence equivalent to learning outcomes in specific units.

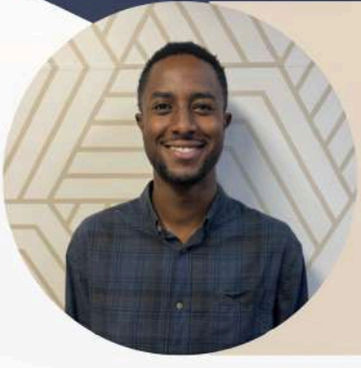
LIVING IN ADELAIDE - "City of Festivals"



Testimonials

"Imperial feels like home; everyone is really friendly and helpful, even with personal matters. I like being close to the professors and receiving their support."
NISARG KUMAR

"Their teaching approach is brilliant, and the guidance whether academic or non-academic, if we need anything the Imperial team are always there for us".
CARL ANTHONY



"I really like how easy and quick it is to approach our professors and lecturers, it honestly feels like a family here."
IAN

Imperial Engineering Education

For An Innovative Tomorrow

TEQSA Provider ID: PRV14379 • CRICOS Provider ID: 04229B

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