

MASTER OF SOFTWARE ENGINEERING

YOOBEE COLLEGE OF CREATIVE INNOVATION



1-YEAR MASTER PROGRAMME

25% SCHOLARSHIP

AVAILABLE

You create the future at the speed of culture.
YOOBEE.AC.NZ



INTERNATIONAL STUDENT JOURNEY



Master of Software Engineering at Yoobee College of Creative Innovation

Duration: 1 year



Fee Paying Student Visa

(If you want to bring your partner and children with you, they can apply for visas based on their relationship to you as **Partner Open Work Visa** and **Dependent Child Student Visa**)



Length of stay: the same length of the study programme

5 points



Post Study Work Visa

(Your partner can apply for an open work visa and your dependent children can study fee-free as domestic students.)



Length of stay: Up to 3 years



Work for any employer in any job



Accredited Employer Work Visa

(Your partner can apply for a work visa and your dependent children can study fee-free as domestic students.)



Length of stay: Up to 5 years if you are paid at or above the New Zealand median wage (\$29.66 NZD in 2023)



Skilled Work Experience - ANZSCO level 1-3/Median Wage/ Accredited Employer

(1 point for each year work in New Zealand in a skilled job, up to a maximum of 3 points)

1 point

You will need **6 points** to apply for the Skilled Migrant Category Resident Visa.

SKILLED MIGRANT CATEGORY RESIDENT VISA

LEARN MORE



Overview

Master of Software Engineering

Why study at Yoobee?



Skill Gap Solution

The programme will fill a skill gap in the software development sector, through the development of graduates who are commercially and creatively driven to use their expertise to increase New Zealand's standing on the global software stage.



Cutting-edge Technologies

Quantum computing, blockchain, and data analytics, enabling graduates to respond to the latest tech developments.



Employer-Aligned Curriculum

Constant curriculum reassessment ensures students gain skills that are in demand, with full access to industry-standard equipment.



Expert Guidance at Yoobee

Our industry-experienced tutors who not only have vast expertise but also excel in teaching, supported by partnerships with tech leaders.



High Demand Occupation

Software Engineering is a Greenlist occupation in New Zealand, promising bright post-graduation job opportunities.



Practical Assessments

No traditional exams; assessments are project-based, both individual and group, mirroring real industry practices.

SCHOLARSHIPS FOR MASTER OF SOFTWARE ENGINEERING

● 25% SCHOLARSHIP FOR MASTER OF SOFTWARE ENGINEERING

The scholarship is valued at **25%** of the tuition fee for **Master of Software Engineering**.

Criteria for eligibility:

- Any student enrolled in 2024 intakes is eligible for application of the scholarship
- Students need to be interviewed by the representative of Yoobee College

● 20% SCHOLARSHIP AND \$3,000 NZD DISCOUNT FOR NZCEL + MASTER OF SOFTWARE ENGINEERING

The scholarship is valued at **20%** of the tuition fee and **\$3,000 NZD** discount for **Master of Software Engineering**.

Criteria for eligibility:

- Any student enrolled in 2024 intakes is eligible for application of the scholarship if they used the NZCEL (New Zealand Certificate of English Language) as English evidence to meet the entry requirement condition on the offer letter.
- Students need to be interviewed by the representative of Yoobee College

Entry Requirements

International students must be at least 18 years old when commence the course

Academic

Standard entry assessment:

- Degree: Hold a bachelor's degree in engineering, computer science, information technology, physics, mathematics, business, or related disciplines; OR an acceptable equivalent qualification from a recognized university (or similar) overseas, Mathematics subjects (any subject including the concepts and topics of Linear Algebra, Vector, Matrix Multiplication, Graphic Theory, Set Theory and Probability Theory etc.) must be included in your transcript. AND
- Programming knowledge: Have substantial knowledge on programming, preferably in C++/Java/Python; OR passing a free online bridging course offered by Yoobee.

Alternative entry assessment:

- 2-3 years Diploma programme in related study areas with 3-4 years working experience in software developing.
- Alternative entry must be approved case by case by Head of Faculty

English

IELTS 6.5 (Academic) with no band lower than 6.0 or equivalences approved by NZQA

Software & Equipment Used

Software

Throughout your study you will use a range of open-source software.

Yoobee will also offer subscriptions with

- IEEE Xplore
- O'Reilly digital media

IEEE Xplore[®]
Digital Library

O'REILLY[®]

Equipment

You are required to bring your own device. This allows flexibility of study outside of class hours and seamless remote study in the event of another lockdown where classroom facilities are inaccessible. If you do not own your own device, please discuss this with one of our team at enrolment.

Components of your device	Minimum Specs	Recommended Specs
CPU	Intel Core i5, or better	Intel Core i5, or better
Memory	8 GB	16 GB
Disk	256 GB SSD	512 GB SSD
Screen Resolution	1280 x 800	1920 x 1080

Course Details

Qualification	Master of Software Engineering
Duration	1 year - 3 trimesters
NZQF level	Level 9
Tuition fee	\$36,000 NZD
Resource fee	\$2,000 NZD
Administration fee	\$400 NZD
Intakes	22 Jul 2024, 11 Nov 2024, 7 Apr 2025
Campus	Auckland Christchurch (To be confirmed)

What you'll learn

Be part of the future of data analytics, quantum computing, cloud security and blockchain with our Master's programme! You will gain advanced knowledge of cutting-edge technologies in the software space and will develop into a creative, adaptive and diverse software specialist.

The one-year degree is divided into three trimesters and is 180 credits.

Trimester 1	You will develop broad operational, technical, and theoretical knowledge of professional practices within the software development industry, through a focus on individual and collaborative problem-based learning.	<ul style="list-style-type: none">• Professional Software Engineering (30 credits)• Research Methods (15 credits)• Quantum Computing (15 credits)
Trimester 2	Introduction to several cutting-edge technologies through a mix of lectures and workshops, and project-based, collaborative learning. You will be introduced to critical thinking tools that help explore and develop an understanding of personal pathways within the wider context of industry and society.	<ul style="list-style-type: none">• Data Analytics (15 credits)• Blockchain and Decentralised Digital Identity (15 credits)• Cloud Security (15 credits)• Intelligent Transportation Systems (15 credits)
Trimester 3	Providing assessment frameworks, cooperative education opportunities with industry, and supervision from lecturers to conduct self-driven research. You will have a opportunity to engage in high-level inquiry, and a practice-centred project that advances knowledge within the software engineering domain.	<ul style="list-style-type: none">• Industry based Capstone Research Project (60 credits)

*Online Bridging Course

Yoobee online MSE bridging course is designed for applicants of MSE programme who met the academic entry requirements but do not have sufficient programming background. This is a self-paced online course that students will study at Yoobee online platform. The entire course contains three main topics

- Software Development Principles
- Programming with C++
- Object Oriented Programming

Course length	10-12 weeks recommended
Assessment type	Multi-Choice Questions
Pass grade	80%
Max. Attempts	3 times
Cost	free

Employability

Pay for software developers varies depending on skills, experience and where you work, with pay in Auckland being higher.

» Intermediate software developers usually earn

\$80,000 to \$130,000

» Senior software developers can earn

\$110,000 to \$180,000

» Team leaders and managers can earn

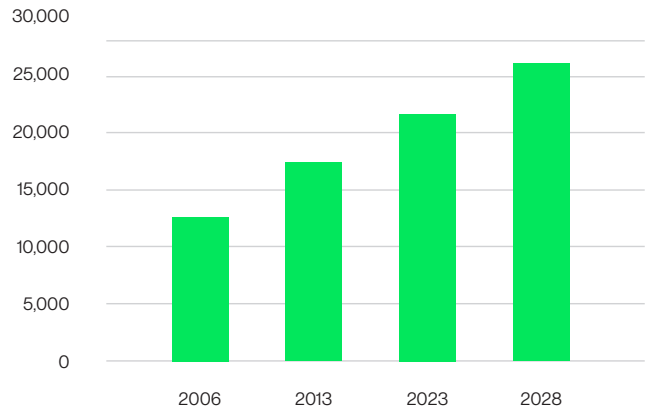
\$120,000 to \$200,000

» The average software engineer salary in New Zealand

\$110,000 per year **\$56.41 per hour**

Sources: Recruit IT, 'Technology and Digital Salary Update Auckland', July 2021; and Recruit IT, 'Technology and Digital Salary Update Wellington', July 2021, Ministry of Business, Innovation & Employment; NZ Talent, 'Software Engineer average salary in New Zealand, 2022.'

Employment chart



There has been a strong growth in the number of software developers employed in recent years, resulting in almost a doubling of employment from 2006 to 2013. There is also strong projected employment growth of around 4.4% per year from 2018-23 and 2.4% per year out to 2028.

INDUSTRY AND ACADEMIC PARTNERS

We partner with tech leaders to unlock incredible opportunities for our students. This includes getting their input into our curriculum, guaranteed work experience on some of our courses, fee scholarships, and digital credibility badges that showcase the competence and up-to-date skills of our graduates to tech employers around the world.



YOOBEE COLLEGE OF CREATIVE INNOVATION

We're an
1 NZQA
Category 1
Provider

30+ We've been in the business for more than 30 years

86% Percentage of students who go on to further study or gain employment

1,800 The number of students we successfully train each year

YOOBEE COLLEGE OF CREATIVE INNOVATION

Find out more at
YOOBEE.AC.NZ