

# MASTER OF SOFTWARE ENGINEERING

YOOBEE COLLEGE OF CREATIVE INNOVATION



NEW ZEALAND.COM  
Licence No.100750

1-YEAR MASTER PROGRAMME

25% SCHOLARSHIP

AVAILABLE

You create the future  
at the speed of culture.  
[YOOBEE.AC.NZ](http://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

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

**SKILLED MIGRANT  
CATEGORY  
RESIDENT VISA**



**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

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.

## 25% SCHOLARSHIP FOR MASTER OF SOFTWARE ENGINEERING

To remove barriers to learning and to fill skills shortages in tech, we're offering an uncapped 25% tuition scholarship to any student who enrolls in the Master of Software Engineering programme.

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



Yoobee Auckland City Road campus

## Entry Requirements

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

### Academic

- 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, AND
- Have substantial knowledge on programming, preferably in C++/Java/Python; or passing a free online bridging course\* offered by Yoobee. OR
- **Alternative entry criteria:** 2-3 years Diploma programme in related study areas with 3-4 years working experience in software developing. Alternative entry criteria (approval case by case by Head of Faculty)

### English

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

Note: campus availability might be subject to change in each intake. International Tuition and Resource fees are in New Zealand Dollars and include GST. Every effort was made to present accurate information in this publication at the time of publication 16 October 2023. UP Education reserves the right to change this information at any time.

## Software & Equipment Used

### Software

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

Youbee will also offer subscriptions with

- IEEE Xplore
- O'Reilly digital media



### 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
<b>CPU</b>	Intel Core i5, or better	Intel Core i5, or better
<b>Memory</b>	8 GB	16 GB
<b>Disk</b>	256 GB SSD	512 GB SSD
<b>Screen Resolution</b>	1280 x 800	1920 x 1080

## Course Details

<b>Qualification</b>	Master of Software Engineering
<b>Duration</b>	1 year - 3 trimesters
<b>NZQF level</b>	Level 9
<b>Tuition fee</b>	\$36,000 NZD
<b>Resource fee</b>	\$2,000 NZD
<b>Administration fee</b>	\$400 NZD
<b>2024 Intakes</b>	April 02, Jul 22
<b>Campus</b>	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.

<b>Trimester</b> <b>1</b>	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"> <li>• <b>Professional Software Engineering (30 credits)</b></li> <li>• <b>Research Methods (15 credits)</b></li> <li>• <b>Quantum Computing (15 credits)</b></li> </ul>
<b>Trimester</b> <b>2</b>	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"> <li>• <b>Data Analytics (15 credits)</b></li> <li>• <b>Blockchain and Decentralised Digital Identity (15 credits)</b></li> <li>• <b>Cloud Security (15 credits)</b></li> <li>• <b>Intelligent Transportation Systems (15 credits)</b></li> </ul>
<b>Trimester</b> <b>3</b>	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"> <li>• <b>Industry based Capstone Research Project (60 credits)</b></li> </ul>

### \*Online Bridging Course

Youbee 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 Youbee online platform. The entire course contains three main topics

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

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

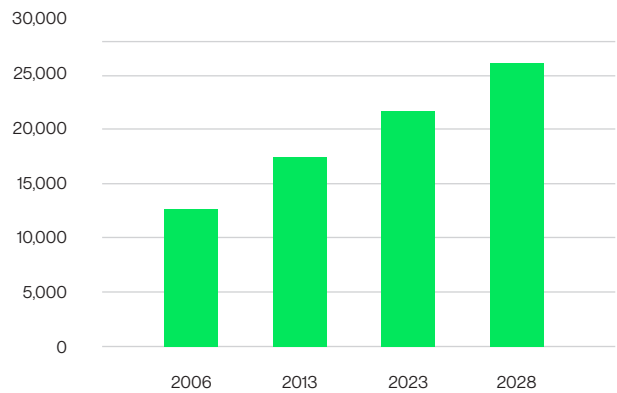
**\$120,000 to \$200,000**

» The average software engineer salary in New Zealand

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

Sources: Recruit I.T., 'Technology and Digital Salary Update Auckland', July 2021; and Recruit I.T., '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**