

# YOU CREATE THE FUTURE OF TECHNOLOGY

YOOBEE COLLEGE  
OF CREATIVE  
INNOVATION



NEW ZEALAND.COM  
Licence No.100750

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



## YOUR CAREER PATH

### Master of Software Engineering



Delivered by: Yoobee College of  
Creative Innovation

#### Duration:

Accelerated: 1 year / 3 trimesters  
Standard: 1.5 years / 4 trimesters

NZQF: Level 9

#### Credits: 180

The Master of Software Engineering |  
He Tohu Paerua Pūkenga Pūmanawa is  
designed to advance technical expertise  
in software engineering and develop  
knowledge of future digital technologies  
and infrastructures.

You will gain core technological, and  
entrepreneurial skills that support and  
enhance specific work-ready technical  
skills in growing national and international  
career pathways.

### Post study opportunities



International students who complete a  
degree or post-graduate qualification will  
have access to **Post Study Work Visa**.  
It allows you to stay and work in New  
Zealand for up to 3 years, depending  
on your level of study and how long you  
studied in New Zealand.<sup>1</sup>

Graduates of the Master of Software  
Engineering will be able to function  
expertly and collaboratively within a  
commercial software company as  
developer, consultant, regulator, business  
analyst, financial analyst, data engineer,  
data scientist, programmer, researcher,  
data analyst, test engineer, project  
manager, risk manager, ITS analyst,  
software architect, software quality  
manager, applications designer, etc.

1. Find out more at

<https://www.immigration.govt.nz/new-zealand-visas/apply-for-a-visa/about-visa/post-study-work-visa>

### Future opportunities



Analyst programmer, developer  
programmer, software engineer,  
software tester, ICT manager, ICT  
security specialist, multimedia  
specialist, chief information officer and  
other software developers or related  
jobs appear on 'Tier 1 role eligible  
for straight to residence' **Green List**  
2022. This means the Government is  
actively encouraging skilled software  
developers from overseas to work in  
New Zealand.<sup>2</sup>

Once a software developer has learnt  
the required fundamental skills, they  
may progress to become senior  
programmers, software architects, or  
chief information officers.

2. Find out more at

<https://www.immigration.govt.nz/new-zealand-visas/apply-for-a-visa/tools-and-information/work-and-employment/green-list-occupations>

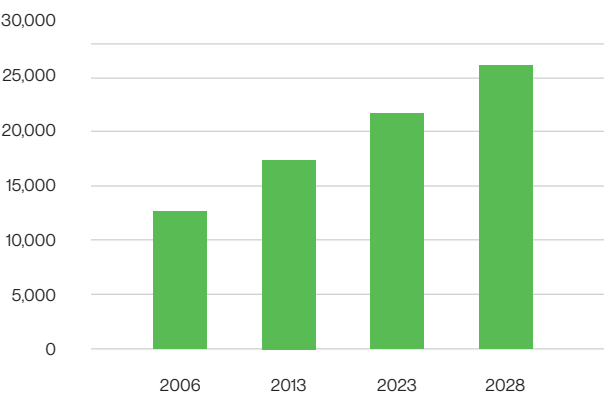
# Employability

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

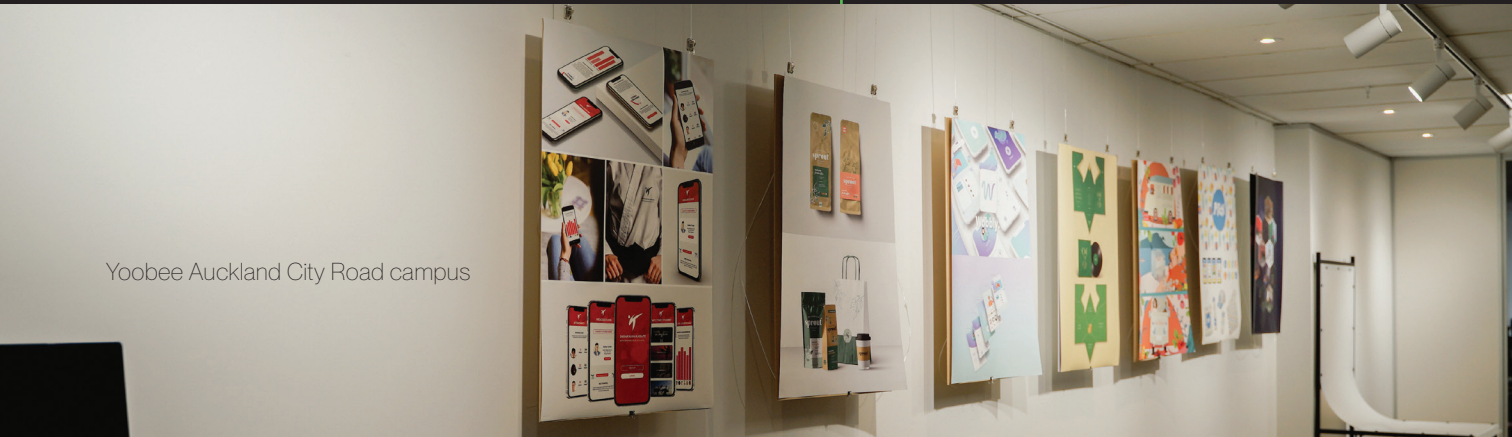
We're an  
**1** NZQA  
Category 1  
Provider

**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 Auckland City Road campus



## Overview

# Master of Software Engineering

## Why study at Yoobee?



The Master of Software Engineering 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 like quantum computing, blockchain and data analytics have shifted the economic landscape and it is imperative that graduates have a thorough understanding of these technologies and acquire the strategies needed to respond to the latest developments.



You can be confident you're learning the skills employers want. We reassess our programmes on a regular basis to keep them up to date with the latest technology and ideas. All our students have full access to industry-standard equipment and facilities.



As New Zealand's largest specialist creative and technology college, Yoobee is proud of its industry-experienced tutors who are not only experts in their fields but fantastic teachers. They'll help you realise your full potential and put you on the road to achieving the same industry success they have. We also partner with tech leaders to unlock incredible opportunities for our students.

## What you'll learn

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.

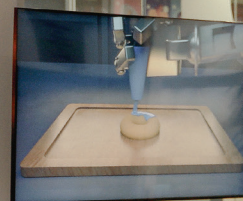
- **Professional Software Engineering (30 credits)**
- **Research Methods (15 credits)**
- **Quantum Computing (15 credits)**

**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.

- **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.

- **Industry based Capstone Research Project (60 credits)**







## Course Details

Qualification	Master of Software Engineering
Duration	1 year - 3 trimesters (Accelerated) / 1.5 years - 4 trimesters (Standard)
NAQF level	Level 9
Delivery mode	On Campus
Tuition fee	\$32,000 NZD
Resource fee	\$2,000 NZD
Administration fee	\$400 NZD
Scholarship*	10% for all applicants (only for intakes in 2023) Limited 30% for Early Acceptance
2023 Intakes	24 July, 13 November
Campus	Auckland - City Road

\*For more information about international scholarships , please visit our website.

## Entry Requirements

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

Academic	<ul style="list-style-type: none"><li>• Hold a bachelor's degree in engineering, computer science, information technology, physics, mathematics, business, or related disciplines; OR</li><li>• An acceptable equivalent qualification from a recognized university (or similar) overseas; OR</li><li>• Alternatives can be considered:<ul style="list-style-type: none"><li>• 2 – 3 years Diploma programme in above study areas or equivalent with 1-2 years of non-managerial relevant experience</li><li>• 5 – 7 years of relevant non-managerial experience or minimum 3-4 years managerial relevant experience</li></ul></li></ul> <p>*Note that any alternative must be referred to the Faculty.</p>
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 May 2023. UP Education reserves the right to change this information at any time.