Bachelorof Software Engineering

ARTIFICIAL INTELLIGENCE

CAREER OPPORTUNITIES

- Software Engineer
- Software Developer
- Machine Learning Engineer
- Al Developer
- Business Intelligence
 Developer
- R&D Engineer
- Data Scientist



Master both a range of technical subject areas, such as Computer Vision, Natural Language **Processing, Speech Recognition, and Machine** Learning & Robotics, as well as the in-demand soft skills of ideation, design thinking, project and time management and interpersonal communication.

Your first year will cover the foundational skills of software engineering and AI, including an introduction to computer graphics and practical mathematical skills.

INDUSTRY INSIGHTS

In 2019, LinkedIn's 'Future of Skills' report listed Artificial Intelligence as the #2 most in-demand hard skill in the world, with the industry having experienced 'exponential growth' over the past 5 years. Software Engineers also remain on NZ's long term skill shortage list and the evergrowing demand for graduates means salaries remain highly competitive, with earnings averaging between \$72-100k per year.*

INDUSTRY PARTNERS:





ARTIFICIAL INTELLIGENCE

Have you ever wished you could talk to robots? Well, A.I. is as close as you can get right now. Become a master of algorithms and techniques used in solving problems of natural language processing, computer vision and more. Explore different models of pattern recognition, and use them in cloud environments, while mastering the fundamentals of machine learning.

WHY CHOOSE A DEGREE IN ARTIFICIAL INTELLIGENCE?

If it's not for love, then think of it as simple supply and demand. Right now, industry is lacking employees with both a strong grasp on the technicalities of software engineering and an ability to think critically and creatively. Luckily MDS is here to give you the skills to fill that void! We've partnered with IBM to design a course that will open the door for you to design the future, while also setting you up with the core soft skills required for a successful career in Al. Be a pioneer in one of the most innovative and cutting edge disciplines available to study.

Remember those bullies in high school? Now you can create A.I. to take over all of their jobs. If you wanted to. But you're not a villain hellbent on world domination, are you...?

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FIRST YEAR COMPONENTS

Introduction to Software Engineering

Begin with an introduction to a programming language and the opportunity to solve AI problems using programming.

Maths 1

This component begins with basic mathematics before progressing to the core mathematical skills required for solving AI problems.

Concepts in Al

Introduction to artificial intelligence through knowledge representation, problem solving techniques and architectures used to build intelligent systems.

To find out more about the second and third year course structure of the Bachelor of Software Engineering, and for up-to-date and comprehensive course information, including dates and fees, visit **mediadesignschool.com**.

