Bachelor of Information Technology (Machine Learning) (Honours)
2023 Study Planner

Flinders University
Science & Engineering

Semester 1 Start:

First Level	**Semester 1**	**COMP1002** Fundamentals of Computational Intelligence	**COMP1102** Computer Programming 1	**ENGR1401** Professional Skills	**STAT1121** Data Science
	Semester 2	**COMP1711** Database Modelling and Information Management	**MATH1701** Algebra and Functions	**ENGR1762** Networks and Cybersecurity	**Elective Topic**
Second Level	**Semester 1**	**COMP2031** Data Engineering	**ENGR2871** Networking Fundamentals	**COMP2812** Systems Software	**Elective Topic**
	Semester 2	**COMP2030** Human Factors for Interactive and Web-Based Systems	**ENGR2792** Software System Requirements and Design	**COMP2711** Computer Programming 2	**COMP2712** Neural Networks and Machine Learning
Third Level	**Semester 1**	**COMP3721** Information Security	**ENGR3791** Software Testing and Quality Assurance	**COMP3033** Cloud and Distributed Computing	**ENGR7732** Estimation and Machine Learning
	NS1	**ENGR3750** Workplace Preparation (0 units)			
	Semester 2	**COMP9035** ICT Management and Professional Standards	**COMP3742** Artificial intelligence	**STEM3004** 12 Week Industry Based Practicum	
Fourth Level	**Semester 1**	**STEM7003** Research Methods for Engineering and ICT Honours	**COMP7720** Advanced Studies in Computing A	**COMP7721** Advanced Studies in Computing B	**STEM7004A** Honours Research Project (4.5/13.5 units)
	Semester 2	**STEM7004B** Honours Research Project (4.5/13.5 units)	**STEM7004C** Honours Research Project (4.5/13.5 units)	**COMP7725** Advanced Studies in Computing C	**ENGR9742** Systems Engineering

This guide is correct at time of publishing but is subject to change November 2022

Semester 2 Start:

First Level	Semester 2	**COMP1711** Database Modelling and Information Management	**MATH1701** Algebra and Functions	**ENGR1762** Networks and Cybersecurity	**Elective Topic**
	Semester 1	**COMP1002** Fundamentals of Computational Intelligence	**COMP1102** Computer Programming 1	**ENGR1401** Professional Skills	**STAT1121** Data Science
Second Level	Semester 2	**COMP2030** Human Factors for Interactive and Web-Based Systems	**ENGR2792** Software System Requirements and Design	**COMP2711** Computer Programming 2	**COMP2712** Neural Networks and Machine Learning
	Semester 1	**COMP2031** Data Engineering	**ENGR2871** Networking Fundamentals	**COMP2812** Systems Software	**Elective Topic**
	NS1	**ENGR3750** Workplace Preparation 0 Units			
Third Level	Semester 2	**COMP9035** ICT Management and Professional Standards	**COMP3742** Artificial intelligence	**STEM3004** 12 Week Industry Based Practicum	
	Semester 1	**COMP3721** Information Security	**ENGR3791** Software Testing and Quality Assurance	**COMP3033** Cloud and Distributed Computing	**ENGR7732** Estimation and Machine Learning
Fourth Level	Semester 2	**STEM7003** Research Methods for Engineering and ICT Honours	**COMP7720** Advanced Studies in Computing A	**ENGR9742** Systems Engineering	**STEM7004A** Honours Research Project (4.5/13.5 units)
	Semester 1	**STEM7004B** Honours Research Project (4.5/13.5 units)	**STEM7004C** Honours Research Project (4.5/13.5 units)	**COMP7721** Advanced Studies in Computing B	**COMP7725** Advanced Studies in Computing C

Key:

Core Topics	Compulsory topic
Option Topics	A choice from a list of specified topics (please refer to course rule)
Elective	Any topic offered by the University at the appropriate year level, provided entry and course requirements are met and that no more than 45 units of First Year topics are included in the program.

Please note:

- This document is provided as a guide only. Students are responsible for ensuring that they have completed their study according to the official Course Rule.
- Topic information for all topics, including pre-requisites can be found on the Topic Page
- General enrolment assistance is available via Ask Flinders
- For specific course advice e-mail: courseadvice.SE@flinders.edu.au