

Bachelor of Bachelor of Geospatial Information Systems / Bachelor of Surveying



2024 Study Planner

Science & Engineering

Semester 1 Start:

First Level	Semester 1	GIST1001 Geospatial Information Systems	MATH1701 Algebra and Functions	Option Topic STEM1001 Nature of STEM OR	Option Topic STAT1121 Data Science OR
	Semester 2	GIST1002 Earth Observation Fundamentals	GIST2003 GIS Field Data Acquisition and Management	MATH1121 Mathematics 1A	Option Topic PHYS1701 Physics for the Modern World OR PHYS1702 Physics for Health Sciences
Second Level	Semester 1	ENGR1721 Engineering Programming	GIST2005 Location Intelligence	GIST2006 Plane Surveying	MATH1122 Mathematics 1B
	NS1	ENGR3750 Workplace Preparation (0 units)			
	Semester 2	COMP1711 Database Modelling and Information Management	GIST2004 Drone Observation	GIST2007 Coordinate Systems and Satellite Positioning	STEM2005 Science Applied
Third Level	Semester 1	GIST3006 Spatial Information Management	GIST3008 Advanced Earth Observation	GIST3009 Engineering, Mining and Construction Surveying	Elective Topic
	Semester 2	GIST3007 Advanced Space-Time Analysis	GIST3010 Precision Field Data Capture and Adjustment	STEM3004 12-week Industry Based Practicum (9 units)	
Fourth Level	Semester 1	GIST4002 Cadastral Surveying	GIST4001 Geodesy	GIST4004 Hydrographic Surveying	GIST4003 Land Law and Administration
	Semester 2	GIST4005 Land Development	GIST4006 Surveying Professional Practice	GIST4007 Surveying Capstone Project (9 units)	

Semester 2 Start:

First Level	Semester 2	GIST1001 Geospatial Information Systems	GIST1002 Earth Observation Fundamentals	GIST2003 GIS Field Data Acquisition and Management	MATH1701 Algebra and Functions
	Semester 1	MATH1121 Mathematics 1A	Option Topic STEM1001 Nature of STEM OR ENGR1401 Professional Skills	Option Topic PHYS1701 Physics for the Modern World OR PHYS1702 Physics for Health Sciences	Option Topic STAT1121 Data Science OR STAT1132 Statistical Analysis
Second Level	Semester 2	COMP1711 Database Modelling and Information Management	GIST2004 Drone Observation	GIST2007 Coordinate Systems and Satellite Positioning	STEM2005 Science Applied
	NS1	ENGR3750 Workplace Preparation (0 units)			
	Semester 1	ENGR1721 Engineering Programming	GIST2005 Location Intelligence	GIST2006 Plane Surveying	MATH1122 Mathematics 1B
Third Level	Semester 2	GIST3007 Advanced Space-Time Analysis	GIST3010 Precision Field Data Capture and Adjustment	STEM3004 12-week Industry Based Practicum (9 units)	
	Semester 1	GIST3006 Spatial Information Management	GIST3008 Advanced Earth Observation	GIST3009 Engineering, Mining and Construction Surveying	Elective Topic
Fourth Level	Semester 2	GIST4005 Land Development** (pre-reqs 2 of GIST3009, GIST4003)	GIST4006 Surveying Professional Practice	GIST4007 Surveying Capstone Project (9 units)	
	Semester 1	GIST4001 Geodesy	GIST4002 Cadastral Surveying	GIST4003 Land Law and Administration	GIST4004 Hydrographic Surveying

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 108-unit 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

This guide is correct at time of publishing but is subject to change November 2023