



THE UNIVERSITY OF
WESTERN AUSTRALIA
Achieve International Excellence

The Faculty of Engineering, Computing and Mathematics

*A dynamic Faculty empowering people to
change the world*





Majors in the Faculty of Engineering, Computing and Mathematics

- Engineering Science
- Computer Science
- Applied Computing
- Mathematics and Statistics
- Quantitative Methods



You can take these as a **degree specific-major** or as a **second major**



Degree-specific majors

If you take any of these majors as a **degree-specific major**, you will need to take the required **complementary units**, where they exist.





Quantitative Methods

...what is Quantitative Methods?

- Quantitative methods are **used in a variety of subject areas** such as science, economics, marketing, engineering, medicine, public health, psychology, education and sport
- An increasing number of industries use quantitative reasoning for improving product and service quality, increasing efficiency in the workplace, and assessing their growth strategies
- This major provides you with practical, interdisciplinary research skills, based on sound disciplinary foundations, that you will find useful and relevant to your own interests



Mathematics and Statistics can be taken as a degree specific major in the:

- Bachelor of Science; OR
- Bachelor of Philosophy (Honours)



Quantitative Methods major

Course Study Plan: CSP004-QTMTD

Degree: [BP004 Bachelor of Science](#)

Degree-specific major: [MJD-QTMTD Quantitative Methods](#) (two Level 1 units + two Level 2 units + four Level 3 units)

YEAR 1	Semester 1	1 CITS1401	BROADENING	ELECTIVE	ELECTIVE
	Semester 2	1 STAT1400	BROADENING	ELECTIVE	ELECTIVE
YEAR 2	Semester 1	1 STAT2401	BROADENING	ELECTIVE	ELECTIVE
	Semester 2	1 STAT2402	BROADENING	ELECTIVE	ELECTIVE
YEAR 3	Semester 1	1 STAT3401	1 STAT3402	ELECTIVE	ELECTIVE
	Semester 2	1 STAT3403	1 STAT3404	ELECTIVE	ELECTIVE

Key: Degree-specific major unit Broadening unit: Category A or B Complementary unit Elective

This study plan is an example of a full-time load of four units per semester.

The standard minimum completion time for a bachelor's degree is three years. The maximum completion time is 10 years.

For course advice find out which Student Office you are assigned to via [studentConnect](#).



Quantitative Methods major

Example of a First Year Study Plan

First-year Study Plan: FSP004-25

Degree: [BP004 Bachelor of Science](#)

This plan leads to a choice of:

Degree-specific major: [Applied Computing](#), [Computer Science](#), [Quantitative Methods](#)

Second major: [Applied Computing](#), [Communication and Media Studies](#), [Computer Science](#), [Quantitative Methods](#)

Broadening units: [COMM1001](#) (Cat. B), [COMM1002](#) (Cat. B)

YEAR 1	Semester 1	CITS1401	CITS1001	MATH1050	COMM1001
	Semester 2	STAT1400	CITS1002	MATH1045	COMM1002

↑

Core units for the Quantitative Methods major

↑

Electives or units for second major

↑

Broadening units



Students with credit

If you have already completed some study at tertiary level and you are applying for (or have been granted) advanced standing, then please come and speak to us now to discuss your options.

Or email

enquiries-ecm@uwa.edu.au

for further advice.

