Recommended Sequence
Units are listed on your Course Planner in a recommended sequence. However this can be amended depending upon unit availability, unit progression, timetabling and the semester in which you commenced your course.

Year One
Your First Semester | Your Second Semester
--- | ---
ENG10001 Engineering, Design and Innovation | ENG10004 Digital and Basic Systems
ENG10002 Engineering Materials | PHY10004 Mechanics of Structures
PHY10001 Energy and Physics | MTH10003 Mechanics of Structures
SOF10012 Software Applications | ENG10003 Digital Signals and Systems

Year Two
Semester One | Semester Two
--- | ---
MTH20010 Mathematics SA | EN100017 Fundamentals of the Mind +12.5
EEE20006 Circuits and Electronics I | EEE20003 Embedded Microcontrollers +12.5
EEE20007 Digital Electronic Design | EEE20008 Object-Oriented Programming +12.5
SWE20004 Technical Software Development | EEE20009 Digital Signal Processing +12.5

Year Three
Semester One | Semester Two
--- | ---
CORE 20088 Entrepreneurship | CORE 20085 Design Studies +12.5
CORE 30008 Data Structures and Patterns | CORE 20089 Introduction to Innovation +12.5
SWE20001 Development Project 1: Tools and Practice | SWE20010 Project 2: Design Planning & Man. +12.5
SWE30001 Real Time Programming | SWE30009 Software Testing and Reliability +12.5
SOF20006 Professional Experience Planning | SWE30010 Software Deployment +12.5

Year Four
Semester One | Semester Two
--- | ---
SWE30003 Software Architectures and Design | ENG20001 Engineering Project 1 +12.5
EEE40003 Fundamentals of Computing | SWE30007 Software Requirements and Evaluation +12.5
EEE30001 Integrated Circuit Design | SWE30009 Software Design +12.5
DSC30006 Design Thinking | SWE30012 Software Evolution +12.5
ENT20006 StartUp Fundamentals | SWE30021 Software Testing and Analysis +12.5

Year Five
Semester One | Semester Two
--- | ---
ENG40001 First Innovation and Design Major | ENG40002 Engineering Project 2 +12.5
ENG40014 Hardware-Software Codesign | EL40003 Structures +12.5
EEE40015 Embedded Systems and Microcontrollers | EN20001 Software Design +12.5
SWE40006 Professional Experience Planning | SWE40005 Project 1: Design Studies +12.5

Optional Component
Professional Placement
An additional 6 months or 1 year to your course. Your course rules will be modified to accommodate the Professional Placement.

Course Information
Bachelor of Engineering (Honours) / Bachelor of Innovation and Design
Software Major - BB-ENGI

FAQ’s
What is a component unit? A unit that forms part of a second major/co-major/minor or elective, that you select.
How can I find which component units I can enrol in? Visit the Single Unit Search page to search for additional unit options.
How can I find out more about individual unit content? Visit the University Timetable or the Single Unit Search page to search for additional unit content.
What’s a full-time study load? 100 credit points (8 units per year)
What’s a part-time study load? 50 credit points (4 units per year)
What’s Fast Track? To complete your course in 3.5 years, you will need to complete 2 units over a Summer/Winter/Online teaching period during your placement year.
How can I plan my timetable to make sure my lectures don’t clash? Check the University Timetable Planner before enrolling into units.
Where can I find out more about my course? For a full listing of online unit go to Online Units.