SWINBURNE UNIVERSITY OF TECHNOLOGY

Bachelor of Engineering (Honours)/Bachelor of Computer Science
BB-ENGCS1   Product Design major

Recommended Sequence

Units are listed on your Course Planner in a recommended sequence. However this can be amended depending on unit availability, prerequisite requirements and the semester in which you commenced your course. Changes to this planner may extend the duration of your course.

Year One

Semester 1		Semester 2	
COS10009 Introduction to Programming	+12.5	COS10004 Computer Systems	+12.5
COS10026 Computing Technology Inquiry Project	+12.5	COS10025 Technology in an Indigenous Context Project	+12.5
ENG10001 Humanitarian Engineering Design Project	+12.5	ENG10002 Engineering Materials	+12.5
ENG10003 Engineering Mechanics	+12.5	PHY10001 Energy and Motion	+12.5

Year Two

Semester 1		Semester 2	
MTH10012 Calculus and Applications	+12.5	COS20007 Object Oriented Programming	+12.5
TNE10006 Networks and Switching	+12.5	MTH10013 Linear Algebra and Applications	+12.5
DID10001 Product Visualisation 1: Hand Sketching	+12.5	DID20002 Materials and Processes	+12.5
DPD20001 Digital Modelling	+12.5	DPD20004 Sustainable Product Design Project	+12.5

Optional

Professional Placement You can choose to add an additional 6 month or 1 year placement to your course. The maximum credit points to complete your course will be increased to accommodate the Professional Placement	+37.5- +100

Year Three

Semester 1		Semester 2	
DID30001 Digital Manufacturing	+12.5	MEE20004 Structural Mechanics	+12.5
DPD20002 Product Design Engineering Studio	+12.5	MME30002 Engineering Management Project	+12.5
MTH20010 Statistics and Computation for Engineering	+12.5	PDE20001 Thermo Fluid Systems	+12.5
Computer Science Major Unit	+12.5	Computer Science Major Unit	+12.5

Year Four

Semester 1		Semester 2	
DPD30001 Advanced Product Design	+12.5	DPD30002 Design for Social Responsibility	+12.5
MEE30005 Machine Design Project	+12.5	MEE40010 Integrated Engineering Design Project	+12.5
Computer Science Major Unit	+12.5	MEE40011 Renewable Energy and Hydrogen Technologies	+12.5
Computer Science Major Unit	+12.5	PDE40001 Manufacturing Systems and Design	+12.5

Year Five

Semester 1		Semester 2	
EAT40005 Engineering Technology Project A	+12.5	EAT40006 Engineering Technology Project B	+12.5
DPD40002 Global Design	+12.5	DPD40004 Professional Design Attributes	+12.5
Computer Science Major Unit	+12.5	Computer Science Major Unit	+12.5
Computer Science Major Unit	+12.5	Computer Science Major Unit	+12.5

How to use your course planner

The units in your planner are colour coded to assist you with mapping out your studies. Refer to the boxes below for an overview of your course requirements.

Course Information

Course 500 Credit Points

Core units
175 Credit points

A set of compulsory units you **MUST** complete as part of your Course.

First Major units
225 Credit points

A set of compulsory units you **MUST** complete as part of your Course.

Computer Science Major
100 Credit points

A set of compulsory units you **MUST** complete as part of your Course.

Work Integrated Learning

A Professional Placement is a Work Integrated Learning (WIL) option. You can apply for a Professional Placement during your second year. More information on Professional Placement and other WIL options at **Work Integrated Learning**

FAQs
How can I find more information about my course
Visit **Bachelor of Engineering (Honours)/Bachelor of Computer Science**

Where can I find out more about individual unit information?
Visit 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)

How can I plan my timetable?
Check the **University Timetable Planner** before enrolling into units.