

# FACULTY OF ENGINEERING, COMPUTER AND MATHEMATICAL SCIENCES

## PRE-2019 COMMENCER STUDY PLAN



School of Computer Science

Semester 1 Start

[Bachelor of Engineering \(Software\)](#)

Semester 2 Start

[Bachelor of Engineering \(Software\)](#)

# FACULTY OF ENGINEERING, COMPUTER AND MATHEMATICAL SCIENCES



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This study plan should be used to guide enrolment for the current academic year. Some students may need to modify their enrolment based on previous study (e.g. students granted advanced standing/credit, students repeating previously failed courses).

BACHELOR OF ENGINEERING (HONOURS) (SOFTWARE)						
YEAR 1	S 1	COMP SCI 1101 Introduction to Programming <b>ENG 1002 Programming (Matlab and C) * See note below</b>	<input type="checkbox"/>	ELEC ENG 1100 Analog Electronics <input type="checkbox"/>	MATHS 1011 Mathematics IA # <input type="checkbox"/>	STATS 1000 Statistical Practice I <input type="checkbox"/>
	S 2	COMP SCI 1102 Object Oriented Programming <input type="checkbox"/>		COMP SCI 1106 Introduction to Software Engineering <input type="checkbox"/>	MATHS 1012 Mathematics IB # <input type="checkbox"/>	ELEC ENG 1102 Digital Electronics <input type="checkbox"/>
YEAR 2	S 1	COMP SCI 2103 Algorithm Design & Data Structures <input type="checkbox"/>		COMP SCI 2005 Systems Programming <input type="checkbox"/>	COMP SCI 2207 Web and Database Computing <input type="checkbox"/>	COMP SCI 2205 Software Engineering Workshop I <input type="checkbox"/>
	S 2	COMP SCI 2201 Algorithm & Data Structure Analysis <input type="checkbox"/>		COMP SCI 2000 Computer Systems <input type="checkbox"/>	COMP SCI 2203 Problem Solving & Software Development <input type="checkbox"/>	COMP SCI 2206 Software Engineering Workshop 2 <input type="checkbox"/>
YEAR 3	S 1	COMP SCI 3001 Computer Networks & Applications <input type="checkbox"/>		Level III Elective** <input type="checkbox"/>	Level III or IV Elective <input type="checkbox"/>	COMP SCI 3303 Engineering Software as Services I <input type="checkbox"/>
	S 2	COMP SCI 3004 Operating Systems <input type="checkbox"/>		<del>COMP SCI 3013 Event Driven Computing</del> - <b>COMP SCI 4411 Event Driven Computing</b> <input type="checkbox"/>	Level III or IV Elective <input type="checkbox"/>	COMP SCI 3304 Engineering Software as Services II <input type="checkbox"/>
YEAR 4	S 1	COMP SCI 4405 Research Methods in Software Engineering and Computer Science <input type="checkbox"/>		COMP SCI 4414A Software Engineering Research Project A <input type="checkbox"/>	COMP SCI 4023 Software Process Improvement <input type="checkbox"/>	<del>C&amp;ENVENG 4034 Engineering Management IV</del> <b>ENG 3004 Systems Engineering &amp; Industry Practice</b> <input type="checkbox"/>
	S 2	COMP SCI 4414B Software Engineering Research Project B <input type="checkbox"/>		ELEC ENG 4100 Business Management Systems <input type="checkbox"/>	Level IV Elective <input type="checkbox"/>	Level IV Elective <input type="checkbox"/>

# FACULTY OF ENGINEERING, COMPUTER AND MATHEMATICAL SCIENCES



## PRE-2019 COMMENCER STUDY PLAN

### NOTES:

#### \*STUDENTS WITH PRIOR PROGRAMMING EXPERIENCE:

Do not need to complete ENG 1002 Programming (Matlab and C) and can replace it with an Elective. If it is replaced, the following courses must be completed in the order, first COMP SCI 1102, then COMP SCI 2103 and then COMP SCI 2201. However, these courses and COMP SCI 2000 may be completed one semester earlier than shown above.

**Electives** may be any University of Adelaide Undergraduate course for which the student meets the pre-requisites. Please check the availability, restriction and incompatible section on the [course planner](#) for elective choices.

How to choose an elective course in your area of interest? Please refer to the steps via the link: <https://ecms.adelaide.edu.au/study-with-us/student-support/enrolment>

# Entry into MATHS 1011 Mathematics IA requires SACE Stage 2 Specialist Mathematics, or a pass in MATHS 1013 Mathematics IM.

#### Administrative note only:

\*\*International students present ENG 3003 Engineering Communication EAL in lieu of a Level III Elective

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BACHELOR OF ENGINEERING (HONOURS)(SOFTWARE) – Semester 2 Start

YEAR 1	S 2	COMP SCI 1101 Introduction to Programming <input type="checkbox"/>	COMP SCI 1106 Introduction to Software Engineering <input type="checkbox"/>	MATHS 1011 Mathematics IA # <input type="checkbox"/>	ELEC ENG 1102 Digital Electronics <input type="checkbox"/>
		<b>ENG 1002 Programming (Matlab and C) * See note below</b>			
YEAR 2	S 1	COMP SCI 1102 Object Oriented Programming <input type="checkbox"/>	COMP SCI 2205 Software Engineering Workshop I <input type="checkbox"/>	MATHS 1012 Mathematics IB # <input type="checkbox"/>	ELEC ENG 1100 Analog Electronics <input type="checkbox"/>
	S 2	COMP SCI 2103 Algorithm Design & Data Structures <input type="checkbox"/>	COMP SCI 2206 Software Engineering Workshop 2 <input type="checkbox"/>	COMP SCI 2000 Computer Systems <input type="checkbox"/>	STATS 1000 Statistical Practice I <input type="checkbox"/>
YEAR 3	S 1	COMP SCI 3001 Computer Networks & Applications <input type="checkbox"/>	COMP SCI 3303 Engineering Software as Services I <input type="checkbox"/>	COMP SCI 2005 Systems Programming <input type="checkbox"/>	COMP SCI 2207 Web and Database <input type="checkbox"/>
	S 2	COMP SCI 2201 Algorithm & Data Structure Analysis <input type="checkbox"/>	COMP SCI 3304 Engineering Software as Services II <input type="checkbox"/>	<del>COMP SCI 3013 Event Driven Computing</del> <b>COMP SCI 4411 Event Driven Computing</b> <input type="checkbox"/>	COMP SCI 2203 Problem Solving & Software Development <input type="checkbox"/>
YEAR 4	S 1	COMP SCI 4405 Research Methods in Software Engineering and Computer Science <input type="checkbox"/>	COMP SCI 4414A Software Engineering Research Project A <input type="checkbox"/>	<del>C&amp;ENVENG 4034 Engineering Management IV</del> <b>ENG 3004 Systems Engineering &amp; Industry Practice</b> <input type="checkbox"/>	Level III or IV Elective <input type="checkbox"/>
	S 2	COMP SCI 4414B Software Engineering Research Project B <input type="checkbox"/>	Level III Elective** <input type="checkbox"/>	ELEC ENG 4100 Business Management Systems <input type="checkbox"/>	COMP SCI 3004 Operating Systems <input type="checkbox"/>
YEAR 5	S 1	COMP SCI 4023 Software Process Improvement <input type="checkbox"/>	Level IV Elective <input type="checkbox"/>	Level III or IV Elective <input type="checkbox"/>	Level IV Elective <input type="checkbox"/>

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