

1. Students need to complete at least 20 cu of level 3 and above courses in the major.
2. Students are strongly advised to follow the proper progression of course level (e.g. level 1 before level 2, and level 2 before level 3 courses).

COMPULSORY - 120 cu														
Code	Name	Credit Units	Jul 23	Jan 24	May 24	Jul 24	Jan 25	May 25	Last Presentation	Time Table	Pre-requisite	Excluded Combination	Grouping	Remarks
ENG101	Analogue Electronics Design	5	Y	Y	N	Y	Y	N	2027/07	CRN01; Thu, Sat; Week 1, 3, 5, 7, 9, 11 CRN02; Wed; Week 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 CRN03; Thu, Sat; Week 1, 3, 5, 7, 9, 11		HESZ231		Labs will be conducted on weekends.
ENG103	Digital Electronics Design	5	Y	Y	N	Y	Y	N	2027/07	CRN01; Thu, Sat; Week 2, 4, 6, 8, 10, 12 CRN02; Thu; Week 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 CRN03; Thu, Sat; Week 2, 4, 6, 8, 10, 12		HESZ231		Labs will be conducted on weekends.
ENG105	Design of Logic Systems	5	Y	Y	N	Y	Y	N	2027/07	CRN01; Tue, Sat; Week 1, 3, 5, 7, 9, 11 CRN02; Tue, Sat; Week 1, 3, 5, 7, 9, 11	ENG103	HESZ231		Labs will be conducted on weekends. Strongly suggested prerequisite: ENG103
ENG107	Intellectual Property and Patents	5	Y	Y	N	Y	Y	N	2027/07	CRN01; Tue; Week 2, 4, 6, 8, 10, 12		TZS173		

Code	Name	Credit Units	Jul 23	Jan 24	May 24	Jul 24	Jan 25	May 25	Last Presentation	Time Table	Pre-requisite	Excluded Combination	Grouping	Remarks
ENG201	Linear Systems Analysis and Design	5	Y	Y	N	Y	Y	N	2028/07	CRN01; Tue, Sat; Week 2, 4, 6, 8, 10, 12 CRN02; Tue, Sat; Week 2, 4, 6, 8, 10, 12		TZS3051 or HESZ230		Strongly suggested prerequisite s: MTH107 and MTH108. Labs will be conducted on weekends
ENG203	Filter Theory and Design	5	N	Y	N	N	Y	N	2027/07	CRN01; Mon, Sat; Week 2, 4, 6, 8, 10, 12 CRN02; Mon, Sat; Week 2, 4, 6, 8, 10, 12 CRN03; Mon, Sat; Week 2, 4, 6, 8, 10, 12		HESZ230 or TZS3051		Labs will be conducted on weekends. Strongly suggested prerequisite s: MTH107 and MTH108
ENG205	Fundamentals of Applied Electromagnetics	5	N	Y	N	N	Y	N	2028/07	CRN01; Mon; Week 1, 3, 5, 7, 9, 11	MTH107, MTH108, MTH316 and MTH319	ENG315, ENG307		Prefer to complete MTH107 and MTH108
ENG231	Engineering Ethics	5	Y	Y	N	Y	Y	N	2027/07	CRN01; Fri; Week 2, 4, 6, 8, 10, 12		ENG317		This course is compulsory only for students joining the programme on or after Jan 2011.
ENG233	Internet of Things (IoT)	5	Y	Y	N	Y	Y	N	2028/07	CRN01; Sun, Wed; Week 2, 4, 6, 8, 10, 12 CRN02; Sun, Wed; Week 2, 4, 6, 8, 10, 12		ENG303		Labs will be conducted on weekends.

Code	Name	Credit Units	Jul 23	Jan 24	May 24	Jul 24	Jan 25	May 25	Last Presentation	Time Table	Pre-requisite	Excluded Combination	Grouping	Remarks
ENG301	Microprocessor Programming	5	Y	N	N	Y	N	N	2028/07	CRN01; Tue, Sat; Week 1, 3, 5, 7, 9, 11		TZS323		Labs will be conducted on weekends. Strongly suggested prerequisites: ICT271 and ICT272
ENG305	Computer Communications	5	Y	N	N	Y	N	N	2027/07	CRN01; Mon; Week 1, 3, 5, 7, 9, 11		TZS305 or TZS3051		Strongly suggested prerequisites: ENG201 and ENG203
ENG308	HCIA - 5G	5	Y	N	N	Y	N	N	2028/07	CRN01; Mon; Week 2, 4, 6, 8, 10, 12	ENG201 and ENG203 or ENG201 and ENG311 or ENG203 and ENG311	ENG307, ENG315		
ENG311	Digital Signal Processing	5	Y	N	N	Y	N	N	2028/07	CRN01; Wed, Sat; Week 1, 3, 5, 7, 9, 11 CRN02; Wed, Sat; Week 1, 3, 5, 7, 9, 11	ENG201 or ENG203	HESZ330		Labs will be conducted on weekends. Strongly suggested prerequisites: ENG201 and ENG203

Code	Name	Credit Units	Jul 23	Jan 24	May 24	Jul 24	Jan 25	May 25	Last Presentation	Time Table	Pre-requisite	Excluded Combination	Grouping	Remarks
ENG335	Machine Learning	5	Y	N	N	Y	N	N	2027/07	CRN01; Wed; Week 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12		ENG313		Labs will be conducted on weekends. Python programming
ENG499	Capstone Electronics Project	10	Y	Y	N	Y	Y	N	2028/07	CRN01; Sat; Week 0, 30	Must complete 120 cu (excluding SUSS Core courses)	TZS402		Compulsory for Honours. Runs over 2 semesters.
ICT133	Structured Programming	5	Y	Y	N	Y	Y	N	2028/07	CRN01; Sun, Fri; Week 1, 3, 5, 7, 9, 11 CRN02; Sun, Thu; Week 1, 3, 5, 7, 9, 11 CRN03; Sun, Fri; Week 1, 3, 5, 7, 9, 11		ICT131 or ICT271		The course includes two runs on Thurs and Fri respectively. Excluded combination may be removed on a case by case basis.
ICT162	Object Oriented Programming	5	Y	Y	N	Y	Y	N	2028/07	CRN01; Sun, Fri; Week 2, 4, 6, 8, 10, 12 CRN02; Sun, Thu; Week 2, 4, 6, 8, 10, 12 CRN03; Sun, Fri; Week 2, 4, 6, 8, 10, 12	ICT133	ICT201 or ICT272		The course includes two runs on Thurs and Fri respectively. Excluded combination may be removed on a case by case basis.

Code	Name	Credit Units	Jul 23	Jan 24	May 24	Jul 24	Jan 25	May 25	Last Presentation	Time Table	Pre-requisite	Excluded Combination	Grouping	Remarks
MTH107	Calculus I	5	Y	Y	N	Y	Y	N	2028/07	CRN01; Tue; Week 1, 3, 5, 7, 9, 11 CRN02; Tue; Week 1, 3, 5, 7, 9, 11 CRN03; Tue; Week 1, 3, 5, 7, 9, 11		MTH103	MTH108	
MTH108	Calculus II	5	Y	Y	N	Y	Y	N	2026/07	CRN01; Tue; Week 2, 4, 6, 8, 10, 12 CRN02; Tue; Week 2, 4, 6, 8, 10, 12	MTH107	MTH104	MTH107	
MTH219	Fundamentals of Statistics and Probability	5	Y	Y	N	Y	Y	N	2028/07	CRN01; Thu; Week 1, 3, 5, 7, 9, 11 CRN02; Thu; Week 1, 3, 5, 7, 9, 11	MTH107	HESZ2002 or MZS248		Strongly recommend students to complete MTH108 before taking MTH219
MTH316	Multivariable Calculus	5	N	Y	N	N	Y	N	2028/01	CRN01; Fri; Week 1, 3, 4, 5, 6, 7, 9, 11 CRN02; Fri; Week 1, 3, 4, 5, 6, 7, 9, 11	MTH103 or MTH107	MTH211		
MTH319	Mathematical Methods I	5	Y	N	N	Y	N	N	2028/07	CRN01; Fri; Week 1, 3, 5, 7, 9, 11 CRN02; Fri; Week 1, 3, 5, 7, 9, 11	MTH211 or MTH316	MTH215	MTH320	
MTH320	Mathematical Methods II	5	N	Y	N	N	Y	N	2028/07	CRN01; Fri; Week 2, 4, 6, 8, 10, 12 CRN02; Fri; Week 2, 4, 6, 8, 10, 12	MTH319	MTH217	MTH319	

ELECTIVE - 30 cu

Code	Name	Credit Units	Jul 23	Jan 24	May 24	Jul 24	Jan 25	May 25	Last Presentation	Time Table	Pre-requisite	Excluded Combination	Grouping	Remarks
ANL201	Data Visualisation for Business	5	N	Y	N	N	Y	N	2028/07	CRN01; Wed; Week 1, 3, 5, 7, 9, 11 CRN02; Wed; Week 1, 3, 5, 7, 9, 11		ANL315		
ANL303	Fundamentals of Data Mining	5	Y	Y	N	Y	Y	N	2028/07	CRN01; Tue; Week 1, 3, 5, 7, 9, 11 CRN02; Tue; Week 1, 3, 5, 7, 9, 11				Non-Analytics students are strongly advised to complete BUS105 or a course that covers data analysis with the use of a statistical software before taking ANL303.
EAS305	Aircraft Electrical, Instrument Systems/Servomechanisms and Electronics	5	Y	N	N	Y	N	N	2025/07	CRN01; Wed; Week 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 CRN02; Wed; Week 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12	ENG101 & ENG103			
EAS401	Robotics Mechanics and Control	5	Y	N	N	Y	N	N	2027/07	CRN01; Thu; Week 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12	ICT162			
EAS425	Flight Line and Hangar Management	5	N	Y	N	N	Y	N	2027/07	CRN01; Sat; Week 1, 3, 5, 7, 9, 11				

Code	Name	Credit Units	Jul 23	Jan 24	May 24	Jul 24	Jan 25	May 25	Last Presentation	Time Table	Pre-requisite	Excluded Combination	Grouping	Remarks
EAS437	Reliability-Centered Maintenance	5	Y	N	N	Y	N	N	2028/07	CRN01; Tue; Week 1, 3, 5, 7, 9, 11				
ENG207	Engineering Economics and Analysis	5	Y	N	N	Y	N	N	2028/07	CRN01; Thu; Week 2, 4, 6, 8, 10, 12				
ENG319	Analogue Control System Design	5	N	Y	N	N	Y	N	2028/07	CRN01; Wed, Sat; Week 1, 3, 5, 7, 9, 11		ENG377		Labs will be conducted on weekends. Strongly suggested prerequisite s: ENG201 and ENG203.
ENG321	Digital Control System Design	5	N	Y	N	N	Y	N	2028/07	CRN01; Tue, Sat; Week 2, 4, 6, 8, 10, 12		ENG377		Labs will be conducted on weekends. Strongly suggested pre-requisites: ENG201 and ENG203.
ENG323	Electronic Materials	5	N	Y	N	N	Y	N	2027/07	CRN01; Fri; Week 1, 2, 3, 4, 5, 6		HESZ341 or TZS354	ENG325 (same semester)	Strongly suggested prerequisite s: ENG101, ENG103, MTH211, MTH219

Code	Name	Credit Units	Jul 23	Jan 24	May 24	Jul 24	Jan 25	May 25	Last Presentation	Time Table	Pre-requisite	Excluded Combination	Grouping	Remarks
ENG325	Semiconductor Devices	5	N	Y	N	N	Y	N	2027/07	CRN01; Fri; Week 7, 8, 9, 10, 11, 12		HESZ341 or TZS354	ENG323 (same semester)	Strongly suggested prerequisites: ENG101, ENG103, MTH211 and MTH219
ENG327	VLSI Design 1	5	Y	N	N	Y	N	N	2028/07	CRN01; Mon; Week 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12		HESZ342	ENG328 (same semester)	Labs will be conducted on weekends. Strongly suggested prerequisites: ENG101, ENG103, ENG105 and ENG107
ENG328	VLSI Design 2	5	Y	N	N	Y	N	N	2028/07	CRN01; Thu; Week 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12		HESZ342	ENG327 (same semester)	Labs will be conducted on weekends. Strongly suggested prerequisites: ENG101, ENG103, ENG105 and ENG107

Code	Name	Credit Units	Jul 23	Jan 24	May 24	Jul 24	Jan 25	May 25	Last Presentation	Time Table	Pre-requisite	Excluded Combination	Grouping	Remarks
ENG330	Radar System Applications	5	Y	N	N	Y	N	N	2028/07	CRN01; Fri; Week 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12				Labs will be conducted on weekends. Strongly suggested prerequisites: ENG201 and ENG205.
ENG333	RF and Microwave Design of Wireless Systems	5	N	Y	N	N	Y	N	2028/07	CRN01; Thu; Week 1, 3, 5, 7, 9, 11				Strongly suggested prerequisites: ENG201 and ENG205.
HFS351	Safety Management and Audit	5	Y	Y	N	Y	Y	N	2028/07	CRN01; Wed; Week 1, 2, 3, 4, 5, 6				
HFSY357	Environmental Management and Sustainable Development	5	Y	Y	N	Y	Y	N	2028/07	CRN01; Tue; Week 1, 2, 4, 6, 8, 10, 12				
ICT330	Database Management Systems	5	Y	Y	N	Y	Y	N	2028/07	CRN01; Sun, Mon; Week 1, 3, 5, 7, 9, 11 CRN02; Sun, Mon; Week 1, 3, 5, 7, 9, 11		ICT321		Can be taken with ICT340 in the same semester
MTD315	Computer Interactive Graphics	5	N	Y	N	N	Y	N		CRN01; Mon; Week 0, 2, 4, 6, 8, 10		MTD357		

Code	Name	Credit Units	Jul 23	Jan 24	May 24	Jul 24	Jan 25	May 25	Last Presentation	Time Table	Pre-requisite	Excluded Combination	Grouping	Remarks
MTD369	Virtual Reality and Augmented Reality	5	N	Y	N	N	Y	N	2028/07	CRN01; Mon, Sat; Week 0, 1, 2, 4, 5, 6				As MTD369 is a level 3 course with coding, students are highly recommended to have basic programming experience to take the course.
SST102	Human Factors and Systems Design	5	Y	Y	N	Y	Y	N	2026/07	CRN01; Thu; Week 1, 2, 3, 4, 5, 6, 12 CRN02; Thu; Week 1, 2, 3, 4, 5, 6, 12		HFS101		

* Students will be required to attend classes on day of presentation as well as on weekends or all classes may be on weekends.

University Core - SUSS Core Table (2023/07 Intakes onwards)

SUSS CORE COMPULSORY - 10 cu											
Code	Name	Credit Units	Jul 23	Jan 24	May 24	Jul 24	Jan 25	May 25	Last Presentation	Time Table	Remarks
NCO101	Living with Community	5	Y	Y	N	Y	Y	N	2028/07	CRN01; Tue; Week 1, 2, 4, 6, 8, 10, 12 CRN02; Tue; Week 1, 3, 5, 6, 9, 11, 12 CRN03; Tue, Wed; Week 1, 2, 4, 6, 8, 10, 12 CRN04; Tue, Wed; Week 1, 3, 5, 6, 9, 11, 12 CRN05; Tue, Thu; Week 1, 2, 4, 6, 8, 10, 12 CRN06; Tue, Thu; Week 1, 3, 5, 6, 9, 11, 12	
NCO201	Learn to Learn, Learn for Life	5	Y	Y	N	Y	Y	N	2028/07	CRN01; Mon; Week 1, 3, 5, 7, 9, 11 CRN02; Tue; Week 1, 3, 5, 7, 9, 11 CRN03; Wed; Week 1, 3, 5, 7, 9, 11 CRN04; Thu; Week 1, 3, 5, 7, 9, 11 CRN05; Fri; Week 1, 3, 5, 7, 9, 11	
SUSS CORE ELECTIVES (ENGAGEMENT) - 5 cu											
Code	Name	Credit Units	Jul 23	Jan 24	May 24	Jul 24	Jan 25	May 25	Last Presentation	Time Table	Remarks
SST101	Principles of Project Management	5	Y	Y	N	Y	Y	N	2028/07	CRN01; Tue; Week 1, 2, 3, 4, 5, 6, 12 CRN02; Thu; Week 1, 2, 3, 4, 5, 6, 12	
SST388	STEM Interdisciplinary Project	5	N	Y	N	N	Y	N	2028/07	CRN01; Fri; Week 0	

SUSS CORE ELECTIVES (PEOPLE) - 5 cu

Code	Name	Credit Units	Jul 23	Jan 24	May 24	Jul 24	Jan 25	May 25	Last Presentation	Time Table	Remarks
NCO111	Work and Learning in a Changing World	2.5	Y	Y	Y	Y	Y	Y	2028/07	CRN01; Mon; Week 1, 2, 3, 5 CRN02; Tue; Week 1, 2, 3, 5 CRN03; Thu; Week 1, 2, 3, 5 CRN04; Fri; Week 1, 2, 3, 5 CRN05; Tue; Week 7, 8, 9, 11 CRN06; Thu; Week 7, 8, 9, 11 CRN07; Fri; Week 7, 8, 9, 11 CRN08; Sat; Week 7, 8, 9, 11 CRN09; Mon; Week 1, 2, 3, 5 CRN10; Wed; Week 1, 2, 3, 5	
NCO112	Peak Performance	2.5	Y	Y	Y	Y	Y	Y	2028/07	CRN01; Mon; Week 1, 2, 4, 5 CRN02; Tue; Week 1, 2, 4, 5 CRN03; Thu; Week 1, 2, 4, 5 CRN04; Fri; Week 1, 2, 4, 5 CRN05; Sat; Week 1, 2, 4, 5 CRN06; Tue; Week 7, 8, 10, 11 CRN07; Thu; Week 7, 8, 10, 11 CRN08; Fri; Week 7, 8, 10, 11 CRN09; Tue; Week 1, 2, 4, 5 CRN10; Thu; Week 1, 2, 4, 5	
NCO113	Teamwork in the Modern Workplace	2.5	Y	Y	Y	Y	Y	Y	2028/07	CRN01; Tue; Week 1, 3, 5, 6 CRN02; Thu; Week 1, 3, 5, 6 CRN03; Fri; Week 1, 3, 5, 6 CRN04; Mon; Week 7, 9, 11, 12 CRN05; Tue; Week 7, 9, 11, 12 CRN06; Thu; Week 7, 9, 11, 12 CRN07; Fri; Week 7, 9, 11, 12 CRN08; Sat; Week 7, 9, 11, 12 CRN09; Mon; Week 1, 3, 5, 6 CRN10; Thu; Week 1, 3, 5, 6 CRN11; Tue; Week 1, 3, 5, 6 CRN12; Fri; Week 1, 3, 5, 6	

Code	Name	Credit Units	Jul 23	Jan 24	May 24	Jul 24	Jan 25	May 25	Last Presentation	Time Table	Remarks
NCO205	User-Centred Design: Human Factors and Design Thinking	5	N	Y	N	Y	Y	N	2028/07	CRN01; Mon; Week 1, 3, 5, 6, 7, 11 CRN02; Tue; Week 1, 3, 5, 6, 7, 11 CRN03; Thu; Week 1, 3, 5, 6, 7, 11 CRN04; Fri; Week 1, 3, 5, 6, 7, 11 CRN05; Sat; Week 1, 3, 5, 6, 7, 11	