

**IMPORTANT!**

**THIS PLANNER IS FOR STUDENTS TAKING  
BACHELOR OF COMPUTER SCIENCE (SOFTWARE DEVELOPMENT) ONLY!**

**\*\*Beware that some units are offered only once a year**

Indicators  
 Core units  
 Major-specific units

**AUGUST/SEPTEMBER INTAKE only**

	Unit Code		Offered only in	Pre-Requisite	Co-Requisite
<b>Aug/Sep</b>		<b>Year 1 Sem 1</b>			
	1 COS10009	Introduction to Programming			
	2 COS10011	Creating Web Applications			COS10009
	3 COS10003	Computer and Logic Essentials			
	4 TNE10006	Networks and Switching			
	MPU3113/MPU3143				
<b>Dec/Jan</b>	MPU3212/MPU3173				
<b>Feb/Mar</b>		<b>Year 1 Sem 2</b>			
	5 COS20007	Object-oriented Programming		COS10001 / COS10009 / INF10016 / SWE20004	
	6 COS20001	User-Centred Design			
	7 COS20015	Fundamentals of Data Management	Feb/Mar	COS10009	
	8	Co-major/Minor or Elective 1			
	MPU3123	Local students only			
<b>Aug/Sep</b>		<b>Year 2 Sem 1</b>			
	9 SWE20001	Managing Software Projects		SWE20004 / COS20007	
	10 SWE30009	Software Testing and Reliability	Aug/Sep	COS20007 / COS20004 / COS20011	
	11 COS30008	Data Structure and Patterns	Aug/Sep	COS20007 / COS30016 / SWE20004 / COS20011	
	12	Co-major/Minor or Elective 2			
<b>Feb/Mar</b>		<b>Year 2 Sem 2</b>			
	13 SWE30011	IoT Programming	Feb/Mar	(COS10011 / COS10005) & (COS20007 / SWE20004)	
	14 COS30017	Software Development for Mobile Devices		COS20007	
	15	Co-major/Minor or Elective 3			
	16	Co-major/Minor or Elective 4			
<b>Aug/Sep</b>		<b>Year 3 Sem 1</b>			
	17 SWE40001	Software Engineering Project A		COS20007 / COS30014 / SWE20004	SWE20003 / SWE30010 / INF30029 / MME40001 / SWE20001
	18 COS30041	Creating Secure and Scalable Software	Aug/Sep	(COS10011 / COS20001 / COS10005) & (COS20007 / SWE20004)	
	19	Co-major/Minor or Elective 5			
	20	Co-major/Minor or Elective 6			
<b>Feb/Mar</b>		<b>Year 3 Sem 2</b>			
	21 ICT30005	Professional Issues in IT		COMPLETED 16 UNITS (200 CREDIT POINTS)	
	22 SWE40002	Software Engineering Project B		SWE40001	
	23	Co-major/Minor or Elective 7			
	24	Co-major/Minor or Elective 8			

**IMPORTANT!**

**THIS PLANNER IS FOR STUDENTS TAKING  
BACHELOR OF COMPUTER SCIENCE (CYBERSECURITY) ONLY!**

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Indicators

Core units  
Major-specific units

**AUGUST/SEPTEMBER INTAKE only**

	Unit Code		Offered only in	Pre-Requisite	Co-Requisite
<b>Aug/Sep</b>		<b>Year 1 Sem 1</b>			
	1 COS10009	Introduction to Programming			
	2 COS10011	Creating Web Applications			COS10009
	3 COS10003	Computer and Logic Essentials			
	4 TNE10006	Networks and Switching			
	MPU3113/MPU3143				
<b>Dec/Jan</b>	MPU3212/MPU3173				
<b>Feb/Mar</b>		<b>Year 1 Sem 2</b>			
	5 COS20007	Object-oriented Programming		COS10001 / COS10009 / INF10016 / SWE20004	
	6 TNE20002	Network Routing Principles		TNE10006	
	7 COS20015	Fundamentals of Data Management	Feb/Mar	COS10009	
	8 MPU3123	Co-major/Minor or Elective 1 Local students only			
<b>Aug/Sep</b>		<b>Year 2 Sem 1</b>			
	9 COS30015	IT Security		(COS10009 / SWE20004) & (COS10011 / COS10005) & (TNE10005 / TNE10006)	
	10 SWE20001	Managing Software Projects		SWE20004 / COS20007	
	11	Co-major/Minor or Elective 2			
	12	Co-major/Minor or Elective 3			
<b>Feb/Mar</b>		<b>Year 2 Sem 2</b>			
	13 ICT30010	eForensic Fundamentals	Feb/Mar	TNE10006	
	14 TNE30009	Network Security & Resilience	Feb/Mar	TNE10006 / COS20012	
	15 TNE30012	Secure Remote Access Networks	Feb/Mar	TNE20002 / TNE20001	
	16	Co-major/Minor or Elective 4			
<b>Aug/Sep</b>		<b>Year 3 Sem 1</b>			
	17 SWE40001	Software Engineering Project A		COS20007 / COS30014 / SWE20004	SWE20003 / SWE30010 / INF30029 / MME40001 / SWE20001
	18 INF30020	Information Systems Risk and Security	Aug/Sep	COMPLETED 8 UNITS (100 CREDIT POINTS) & (SWE20004 /	
	19	Co-major/Minor or Elective 5			
	20	Co-major/Minor or Elective 6			
<b>Feb/Mar</b>		<b>Year 3 Sem 2</b>			
	21 ICT30005	Professional Issues in IT		COMPLETED 16 UNITS (200 CREDIT POINTS)	
	22 SWE40002	Software Engineering Project B		SWE40001	
	23	Co-major/Minor or Elective 7			
	24	Co-major/Minor or Elective 8			

**IMPORTANT!**

**THIS PLANNER IS FOR STUDENTS TAKING  
BACHELOR OF COMPUTER SCIENCE (INTERNET OF THINGS) ONLY!**

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Indicators  
 Core units  
 Major-specific units

**AUGUST/SEPTEMBER INTAKE only**

	Unit Code		Offered only in	Pre-Requisite	Co-Requisite
<b>Aug/Sep</b>		<b>Year 1 Sem 1</b>			
	1 COS10009	Introduction to Programming			
	2 COS10011	Creating Web Applications			COS10009
	3 COS10003	Computer and Logic Essentials			
	4 TNE10006	Networks and Switching			
	MPU3113/MPU3143				
<b>Dec/Jan</b>					
	MPU3212/MPU3173				
<b>Feb/Mar</b>		<b>Year 1 Sem 2</b>			
	5 COS20007	Object-oriented Programming		COS10001 / COS10009 / INF10016 / SWE20004	
	6 STA10003	Foundations of Statistics	Feb/Mar		
	7 COS20015	Fundamentals of Data Management	Feb/Mar	COS10009	
	8	Co-major/Minor or Elective 1			
	MPU3123	Local students only			
<b>Aug/Sep</b>		<b>Year 2 Sem 1</b>			
	9 COS30015	IT Security		(COS10009 / SWE20004) & (COS10011 / COS10005) & (TNE10005 / TNE10006)	
	10 COS30017	Software Development for Mobile Devices		COS20007	
	11 SWE20001	Managing Software Projects		SWE20004 / COS20007	
	12	Co-major/Minor or Elective 2			
<b>Feb/Mar</b>		<b>Year 2 Sem 2</b>			
	13 COS20019	Cloud Computing Architecture	Feb/Mar	COS10011 & (TNE10006 / COS20016 / TNE10005)	
	14 SWE30011	IoT Programming	Feb/Mar	(COS10011 / COS10005) & (COS20007 / SWE20004)	
	15	Co-major/Minor or Elective 3			
	16	Co-major/Minor or Elective 4			
<b>Aug/Sep</b>		<b>Year 3 Sem 1</b>			
	17 SWE40001	Software Engineering Project A		COS20007 / COS30014 / SWE20004	SWE20003 / SWE30010 / INF30029 / MME40001 / SWE20001
	18 SWE30012	IoT Launcher Project	Aug/Sep	SWE30011 & (COS20007 / SWE20004)	
	19	Co-major/Minor or Elective 5			
	20	Co-major/Minor or Elective 6			
<b>Feb/Mar</b>		<b>Year 3 Sem 2</b>			
	21 ICT30005	Professional Issues in IT		COMPLETED 16 UNITS (200 CREDIT POINTS)	
	22 SWE40002	Software Engineering Project B		SWE40001	
	23	Co-major/Minor or Elective 7			
	24	Co-major/Minor or Elective 8			

**IMPORTANT!**

**THIS PLANNER IS FOR STUDENTS TAKING  
BACHELOR OF COMPUTER SCIENCE (DATA SCIENCE) ONLY!**

**\*\*Beware that some units are offered only once a year**

Indicators	
	Core units
	Major-specific units

**AUGUST/SEPTEMBER INTAKE only**

	Unit Code		Offered only in	Pre-Requisite	Co-Requisite
<b>Aug/Sep</b>		<b>Year 1 Sem 1</b>			
	1 COS10009	Introduction to Programming			
	2 COS10011	Creating Web Applications			COS10009
	3 COS10003	Computer and Logic Essentials			
	4 TNE10006	Networks and Switching			
	MPU3113/MPU3143				
<b>Dec/Jan</b>	MPU3212/MPU3173				
<b>Feb/Mar</b>		<b>Year 1 Sem 2</b>			
	5 COS20007	Object-oriented Programming		COS10001 / COS10009 / INF10016 / SWE20004	
	6 STA10003	Foundations of Statistics	Feb/Mar		
	7 COS20015	Fundamentals of Data Management	Feb/Mar	COS10009	
	8	Co-major/Minor or Elective 1			
	MPU3123	Local students only			
<b>Aug/Sep</b>		<b>Year 2 Sem 1</b>			
	9 COS10022	Introduction to Data Science			
	10 COS30045	Data Visualisation	Aug/Sep	COS10009	
	11 COS30008	Data Structure and Patterns	Aug/Sep	COS20007 / COS30016 / SWE20004 / COS20011	
	12	Co-major/Minor or Elective 2			
<b>Feb/Mar</b>		<b>Year 2 Sem 2</b>			
	13 COS30019	Introduction to Artificial Intelligence		COS20007 / COS30008	
	14 SWE20001	Managing Software Projects		SWE20004 / COS20007	
	15	Co-major/Minor or Elective 3			
	16	Co-major/Minor or Elective 4			
<b>Aug/Sep</b>		<b>Year 3 Sem 1</b>			
	17 SWE40001	Software Engineering Project A		COS20007 / COS30014 / SWE20004	SWE20003 / SWE30010 / INF30029 / MME40001 / SWE20001
	18 COS20028	Big Data Architecture and Application	Aug/Sep	COS10022 & (COS20007 / COS30016)	
	19	Co-major/Minor or Elective 5			
	20	Co-major/Minor or Elective 6			
<b>Feb/Mar</b>		<b>Year 3 Sem 2</b>			
	21 ICT30005	Professional Issues in IT		COMPLETED 16 UNITS (200 CREDIT POINTS)	
	22 SWE40002	Software Engineering Project B		SWE40001	
	23	Co-major/Minor or Elective 7			
	24	Co-major/Minor or Elective 8			

**IMPORTANT!**

**THIS PLANNER IS FOR STUDENTS TAKING  
BACHELOR OF COMPUTER SCIENCE (ARTIFICIAL INTELLIGENCE) ONLY!**

**\*\*Beware that some units are offered only once a year**

Indicators  
 Core units  
 Major-specific units

**AUGUST/SEPTEMBER INTAKE only**

	Unit Code		Offered only in	Pre-Requisite	Co-Requisite
<b>Aug/Sep</b>		<b>Year 1 Sem 1</b>			
1	COS10009	Introduction to Programming			
2	COS10011	Creating Web Applications			COS10009
3	COS10003	Computer and Logic Essentials			
4	TNE10006	Networks and Switching			
	MPU3113/MPU3143				
<b>Dec/Jan</b>	MPU3212/MPU3173				
<b>Feb/Mar</b>		<b>Year 1 Sem 2</b>			
5	COS20007	Object-oriented Programming		COS10001 / COS10009 / INF10016 / SWE20004	
6	COS20001	User-Centered Design			
7	COS20015	Fundamentals of Data Management	Feb/Mar	COS10009	
8		Co-major/Minor or Elective 1			
	MPU3123	Local students only			
<b>Aug/Sep</b>		<b>Year 2 Sem 1</b>			
9	COS30008	Data Structure and Patterns	Aug/Sep	COS20007 / COS30016 / SWE20004 / COS20011	
10	COS30019	Introduction to Artificial Intelligence		COS20007 / COS30008	
11		Co-major/Minor or Elective 2			
12		Co-major/Minor or Elective 3			
<b>Feb/Mar</b>		<b>Year 2 Sem 2</b>			
13	COS30081	Fundamentals of Natural Language Processing	Feb/Mar	COS20015 & COS30019	
14	COS30018	Intelligent Systems	Feb/Mar	COS20007 / COS20011 / COS30016 / SWE20004	
15	SWE20001	Managing Software Projects		SWE20004 / COS20007	
16		Co-major/Minor or Elective 4			
<b>Aug/Sep</b>		<b>Year 3 Sem 1</b>			
17	SWE40001	Software Engineering Project A		COS20007 / COS30014 / SWE20004	SWE20003 / SWE30010 / INF30029 / MME40001 / SWE20001
18	COS30082	Applied Machine Learning	Aug/Sep	COS30018 / COS30019	
19		Co-major/Minor or Elective 5			
20		Co-major/Minor or Elective 6			
<b>Feb/Mar</b>		<b>Year 3 Sem 2</b>			
21	ICT30005	Professional Issues in IT		COMPLETED 16 UNITS (200 CREDIT POINTS)	
22	SWE40002	Software Engineering Project B		SWE40001	
23		Co-major/Minor or Elective 7			
24		Co-major/Minor or Elective 8			