AY2025-2026
Curriculum for Bachelor of Computing in AI and Society (4 Years)

SUMMARY OF ACADEMIC UNIT REQUIREMENT

Year of Study	Core	MPE	ICC Common-Core	ICC Professional Series	ICC Care, Serve & Learn	BDE	Total AU
1	18	0	6	3	0	3	30
2	18	0	8	2	0	6	34
3	10	6	0	10	3	3	32
4	11	18	0	1	0	5	35
Total	57	24	14	16	3	17	131

Recommended Course Schedule

YEAR 1 SEMESTER 1

Course Code	Course Title	Type	AU	Pre-requisite
SC1003	Introduction to Computational Thinking & Programming	Professional Series	3	Nil
SC2000	Probability & Statistics for Computing	Core	3	Nil
MH2802	Linear Algebra for Scientists	Core	3	Nil
CC0001	Inquiry & Communication in an Interdisciplinary World	C-Core	2	Nil
	Broadening and Deepening Elective	BDE	3	Refer to Class Schedule
HW0001	Introduction to Academic Communication	-	-	For student failed QET
HW0002	Calculus	-	-	For student not done Calculus
			14	

YEAR 1 SEMESTER 2

Course Code	Course Title	Type	AU	Pre-requisite
SC1007	Data Structures & Algorithms	Core	3	SC1003
MH1812	Discrete Mathematics	Core	3	Nil
SC2002	Object Oriented Design & Programming	Core	3	SC1007
SC1304	AI For Social Good	Core	3	Nil
CC0003	Ethics & Civics in a Multicultural World	C-Core	2	Nil
CC0015	Health & Wellbeing	C-Core	2	Nil
			16	

Year 1 Total AU **30**

YEAR 2 SEMESTER 1

Course Code	Course Title	Type	AU	Pre-requisite
SC2001	Algorithm Design & Analysis	Core	3	SC1007 & MH1812
SC3000	Artificial Intelligence	Core	3	SC1007 & SC2000
SC2304	Ethical AI	Core	3	Nil
CC0006	Data Structures & Algorithms	C-Core	3	Nil
ML0004	Career Design & Workplace Readiness in the V.U.C.A World	C-Core	2	Nil
	Broadening and Deepening Elective	BDE	3	Refer to Class Schedule
			17	

YEAR 2 SEMESTER 2

Course Code	Course Title	Type	AU	Pre-requisite
SC4000	Machine Learning	Core	3	SC1004 & SC1007 & SC2000 OR MH2808 & SC1007 & SC2000
SC4001	Neural Networks and Deep Learning	Core	3	SC1004 & SC1007 & SC2000 OR MH2808 & SC1007 & SC2001
SC2306	AI For Society	Core	3	Nil
HW0218	Communication Across the Sciences	Professional Series	2	CC0001
CC0007	Science & Technology for Humanity	C-Core	3	Nil
	Broadening and Deepening Elective	BDE	3	Refer to Class Schedule
CSL	CSL(service learning course)- Part 1	CSL	-	(Continue in Semester 2)
			17	

Year 2 Total AU **34**

YEAR 3 SEMESTER 1				
Course Code	**Course Title**	**Type**	**AU**	**Pre-requisite**
SC4002	Natural Language Processing	Core	3	SC2001
SC4061	AI for Computer Vision	Core	3	SC4000
SCxxxx	Design Project - AI in Society	Core	4	Year 3 Standing
SC3xxx/SC4xxx	Major Prescribe Elective (Choose within SC3xxx/SC4xxx)	MPE	3	Year 3 Standing
SC3xxx/SC4xxx	Major Prescribe Elective (Choose within SC3xxx/SC4xxx)	MPE	3	Year 3 Standing
	Broadening and Deepening Elective	BDE	3	Refer to Class Schedule
CSL	CSL (service learning course)- Part 2	CSL	3	(Continue from Semester 1)
			22	

YEAR 3 SEMESTER 2				
Course Code	**Course Title**	**Type**	**AU**	**Pre-requisite**
SC3920	Professional Internship (Graded)	Professional Series	10	Year 3 Standing
			10	
		Year 3 Total AU	**32**	

YEAR 4 SEMESTER 1				
Course Code	**Course Title**	**Type**	**AU**	**Pre-requisite**
SCxxxx	RAI Capstone Project (Part 1)	Core	4	Year 4 Standing
SC4062	Introduction to Generative AI	Core	3	SC4000
SC3xxx/SC4xxx	Major Prescribe Elective (Choose within SC3xxx/SC4xxx)	MPE	3	Year 3 Standing
SC3xxx/SC4xxx	Major Prescribe Elective (Choose within SC3xxx/SC4xxx)	MPE	3	Year 3 Standing
SC3xxx/SC4xxx	Major Prescribe Elective (Choose within SC3xxx/SC4xxx)	MPE	3	Year 3 Standing
	Broadening and Deepening Elective	BDE	3	Refer to Class Schedule
ML0015	Profession Preparation	Professional Series	1	Nil
			20	

YEAR 4 SEMESTER 2				
Course Code	**Course Title**	**Type**	**AU**	**Pre-requisite**
SCxxxx	RAI Capstone Project (Part 2)	Core	4	Year 4 Standing
SC3xxx/SC4xxx	Major Prescribe Elective (Choose within SC3xxx/SC4xxx)	MPE	3	Year 3 Standing
SC3xxx/SC4xxx	Major Prescribe Elective (Choose within SC3xxx/SC4xxx)	MPE	3	Year 3 Standing
SC3xxx/SC4xxx	Major Prescribe Elective (Choose within SC3xxx/SC4xxx)	MPE	3	Year 3 Standing
	Broadening and Deepening Elective	BDE	2	Refer to Class Schedule
			15	
		Year 4 Total AU	**35**	

AISC MPE list (U24 and after)		
Choose 8 in total, and at least 2 from each group		
Course Code	**AU**	**Course Title**
Technical Group:		
SC4003	3	Intelligent Agents
SC4053⯑	3	Blockchain Technology
SC4065	3	Large Language Models
SC4066	3	Generative Learning for Computer Vision
SC4067	3	Deep Generative Models
Society Group:		
HS1001	3	Person and Society
HS2001	3	Classical Social Theory
HA1012	3	Fundamentals of Politics
HE5091	3	Principles of Economics
BUS5302	3	Law of Intellectual Property and New Media
AB0603	3	Social Entrepreneurship
Please refer the AISC MPE Courses on CCDS website.		