

**Bachelor of Science
with Minor in Innovation & Design**

Cohort AY2024/2025

Course Requirements	Units
Common Curriculum	
Artificial Intelligence	4
Communities and Engagement	4
Data Literacy	4
Digital Literacy	4
Design Thinking: DTK1234 Design Thinking	4
Writing: SP1541 Exploring Science Communication through Popular Science	4
Integrated Asian Studies: HSA1000 Asian Interconnections	4
Integrated Humanities: HSH1000 The Human Condition	4
Integrated Social Sciences: HSS1000 Understanding Social Complexity	4
Scientific Inquiry I	4
Scientific Inquiry II	4
Interdisciplinary Course I	4
Interdisciplinary Course II	4
Sub-total for Common Curriculum	52
Major Requirements	
Major gateway course	4
Core courses and electives	56
Sub-total for Major Requirements	60
Unrestricted Electives	
Group A course for Minor	4
Group B course for Minor	4
CDE3301 Ideas to Proof-of-Concept (over 2 consecutive semesters)	12
Other unrestricted electives	28
Sub-total for Unrestricted Electives	48
Total	160

Note:

Some courses in the Common Curriculum may be fulfilled by those in NUS College (NUSC), University Town College Programme (UTCP), and Ridge View Residential Programme (RVRC).

Recommended semester schedule
(for students who read DTK1234 in Semester 1)

Semester 1	Units	Semester 2	Units
HSH1000 The Human Condition or HSS1000 Understanding Social Complexity	4	HSH1000 The Human Condition or HSS1000 Understanding Social Complexity	4
HSA1000 Asian Interconnections or Scientific Inquiry I	4	HSA1000 Asian Interconnections or Scientific Inquiry I	4
DTK1234 Design Thinking	4	Data Literacy	4
Major 1 (gateway course)	4	Major 2	4
UE	4	Group A/B course for Minor	4
Sub-total	20	Sub-total	20

Semester 3	Units	Semester 4	Units
Digital Literacy	4	Artificial Intelligence	4
SP1541 Exploring Science Communication through Popular Science	4	Communities and Engagement	4
Scientific Inquiry II	4	Major 4	4
Major 3	4	Major 5	4
Group A/B course for Minor	4	CDE3301 Ideas to Proof-of-Concept	6
Sub-total	20	Sub-total	22

Semester 5	Units	Semester 6 – can be used for SEP	Units
CDE3301 Ideas to Proof-of-Concept	6	Interdisciplinary Course II	4
Interdisciplinary Course I	4	Major 9	4
Major 6	4	Major 10	4
Major 7	4	Major 11	4
Major 8	4	UE	4
Sub-total	22	Sub-total	20

Semester 7	Units	Semester 8	Units
Major 12	4	Major 14	4
Major 13	4	Major 15	4
UE	4	UE	4
UE	4	UE	4
UE	4		
Sub-total	20	Sub-total	16

Recommended semester schedule
(for students who read DTK1234 in Semester 2)

Semester 1	Units	Semester 2	Units
HSH1000 The Human Condition or HSS1000 Understanding Social Complexity	4	HSH1000 The Human Condition or HSS1000 Understanding Social Complexity	4
HSA1000 Asian Interconnections or Scientific Inquiry I	4	HSA1000 Asian Interconnections or Scientific Inquiry I	4
Data Literacy	4	DTK1234 Design Thinking	4
Major 1 (gateway course)	4	Major 2	4
UE	4	Group A/B course for Minor	4
Sub-total	20	Sub-total	20

Semester 3	Units	Semester 4	Units
Digital Literacy	4	Artificial Intelligence	4
SP1541 Exploring Science Communication through Popular Science	4	Communities and Engagement	4
Scientific Inquiry II	4	Major 4	4
Major 3	4	Major 5	4
Group A/B course for Minor	4	CDE3301 Ideas to Proof-of-Concept	6
Sub-total	20	Sub-total	22

Semester 5	Units	Semester 6 – can be used for SEP	Units
CDE3301 Ideas to Proof-of-Concept	6	Interdisciplinary Course II	4
Interdisciplinary Course I	4	Major 9	4
Major 6	4	Major 10	4
Major 7	4	UE	4
Major 8	4	UE	4
Sub-total	22	Sub-total	20

Semester 7	Units	Semester 8	Units
Major 11	4	Major 14	4
Major 12	4	Major 15	4
Major 13	4	UE	4
UE	4	UE	4
UE	4		
Sub-total	20	Sub-total	16