

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

Cohort AY2026/2027

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	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	
CDE3301 Ideas to Proof-of-Concept (over 2 consecutive semesters)	12
Electives for Minor	8
Other unrestricted electives	28
Sub-total for Unrestricted Electives	48
Total	160

Notes:

1. 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).
2. Students should clear at least one elective course prior to CDE3301. Students in competition teams may enrol in CDE3301C Complex Systems Design: From Mission to Prototype in Semester 3 to Semester 4 (Year 2) or Semester 5 to Semester 6 (Year 3).

Sample study plan

(for students who may want to upgrade to a Second Major / planning for SEP in Semester 6)

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 or DTK1234 Design Thinking	4	Data Literacy or DTK1234 Design Thinking	4
Major 1 (gateway course)	4	Major 2	4
UE	4	Elective 1 for Minor	4
Sub-total	20	Sub-total	20

Semester 3	Units	Semester 4	Units
Digital Literacy	4	Artificial Intelligence	4
Scientific Inquiry II	4	Communities and Engagement	4
Writing	4	Major 4	4
Major 3	4	Major 5	4
Elective 2 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

Sample study plan

(for students who are not planning to upgrade to a Second Major / planning for SEP in Semester 5)

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 or DTK1234 Design Thinking	4	Data Literacy or DTK1234 Design Thinking	4
Major 1 (gateway course)	4	Major 2	4
UE	4	Major 3	4
Sub-total	20	Sub-total	20

Semester 3	Units	Semester 4	Units
Digital Literacy	4	Artificial Intelligence	4
Scientific Inquiry II	4	Communities and Engagement	4
Writing	4	Major 5	4
Major 4	4	Major 6	4
Elective 1 for Minor	4	Elective 2 for Minor	4
Sub-total	20	Sub-total	20

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

Semester 7	Units	Semester 8	Units
CDE3301 Ideas to Proof-of-Concept	6	Major 14	4
Major 12	4	Major 15	4
Major 13	4	UE	4
Interdisciplinary Course II	4	UE	4
UE	4		
Sub-total	22	Sub-total	16