

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

**Cohort AY2025/2026**

Course Requirements	Units
<b>Common Curriculum</b>	
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
<b>Sub-total for Common Curriculum</b>	<b>52</b>
<b>Major Requirements</b>	
Major gateway course	4
Core courses and electives	56
<b>Sub-total for Major Requirements</b>	<b>60</b>
<b>Unrestricted Electives</b>	
CDE3301 Ideas to Proof-of-Concept (over 2 consecutive semesters)	12
Electives for Minor	8
Other unrestricted electives	28
<b>Sub-total for Unrestricted Electives</b>	<b>48</b>
<b>Total</b>	<b>160</b>

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.

### Recommended semester schedule

(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
<b>Sub-total</b>	<b>20</b>	<b>Sub-total</b>	<b>20</b>

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
<b>Sub-total</b>	<b>20</b>	<b>Sub-total</b>	<b>22</b>

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
<b>Sub-total</b>	<b>22</b>	<b>Sub-total</b>	<b>20</b>

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		
<b>Sub-total</b>	<b>20</b>	<b>Sub-total</b>	<b>16</b>

### Recommended semester schedule

(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
<b>Sub-total</b>	<b>20</b>	<b>Sub-total</b>	<b>20</b>

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
<b>Sub-total</b>	<b>20</b>	<b>Sub-total</b>	<b>20</b>

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
<b>Sub-total</b>	<b>10</b>	<b>Sub-total</b>	<b>22</b>

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		
<b>Sub-total</b>	<b>22</b>	<b>Sub-total</b>	<b>16</b>