NUS Innovation & Design Programme
College of Design and Engineering

Bachelor of Arts (Industrial Design)
with Second Major in Innovation & Design

Cohort AY2025/2026

Course Requirements	Units
Common Curriculum	
GEA1000 Quantitative Reasoning with Data [1]	4
GE: Critique and Expression [2]	4
GE: Cultures and Connections [2]	4
GE: Communities and Engagement [2]	4
ID2116 Computing for Design or CS1010E Programming Methodology (or other variants)	4
CDE2212 Artificial Intelligence for Design or HS1501 Artificial Intelligence and Society or EE2211 Introduction to Machine Learning	4
CDE2501 Liveable Cities [2]	4
DTK1234 Design Thinking	4
EG1311 Design and Make or EG1311BE Design and Make	4
PF1101A Project Management and Finance	4
Sub-total for Common Curriculum	**40**
Major Requirements	
ID1114 Design Fundamentals A	2
ID1115 Design Fundamentals B	2
ID1116 Design Fundamentals C	2
ID1117 Design Fundamentals D	2
ID1118 Design Fundamentals E	2
ID1119 Design Fundamentals F	2
ID2107 Design Platforms A	4
ID2108 Design Platforms B	4
ID2109 Design Platforms C	4
ID2110 Design Platforms D	4
ID3107 Design Platforms E	4
ID3108 Design Platforms F	4
ID3109 Design Platforms G	4
ID3110 Design Platforms H	4
ID4107 Design Platforms I	4
ID1121 Human-Centred Design (double-counted as Elective 1 for Second Major) [3]	4
ID1223 Principles and Approaches to Design	4
ID2100 Visual Communication Principles and Practices	4
ID2200 Behavioural Design	4
ID2300 Computer Aided Design and Prototyping	4
ID2322 Materials and Production	4
ID3111 Discourse in Contemporary Design and Culture	4
ID4122 Design Entrepreneurship and Creative Leadership	4
Sub-total for Major Requirements	**80**
Unrestricted Electives	
CDE3301 Ideas to Proof-of-Concept (over 2 consecutive semesters) [3]	12
CDE4301 Innovation & Design Capstone or CDE4301A Ideas to Start-up (over 2 consecutive semesters)	12
Electives for Second Major [3]	12
Other unrestricted electives	4
Sub-total for Unrestricted Electives	**40**
Total	**160**

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Notes:

1   Students may read other approved courses for Data Literacy in lieu of GEA1000.

2   Students may read equivalent courses in NUS College (NUSC), University Town College Programme (UTCP), and Ridge View Residential Programme (RVRC). CDE2501 fulfils GE: Singapore Studies.

3   Students should clear at least one elective course from List I prior to CDE3301.

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Recommended semester schedule

Semester 1	Units	Semester 2	Units
ID1114 Design Fundamentals A	2	ID1116 Design Fundamentals C	2
ID1115 Design Fundamentals B	2	ID1117 Design Fundamentals D	2
ID1223 Principles and Approaches to Design	4	ID1118 Design Fundamentals E	2
ID2100 Visual Communication Principles and Practices	4	ID1119 Design Fundamentals F	2
DTK1234 Design Thinking	4	ID1121 Human-Centred Design (double-counted as Elective 1 for Second Major)	4
GEA1000 Quantitative Reasoning with Data	4	EG1311 Design and Make	4
		PF1101A Project Management and Finance	4
Sub-total	**20**	**Sub-total**	**20**

Semester 3	Units	Semester 4	Units
ID2107 Design Platforms A	4	ID2109 Design Platforms C	4
ID2108 Design Platforms B	4	ID2110 Design Platforms D	4
ID2322 Materials and Production	4	ID2116 Computing for Design	4
CDE2212 Artificial Intelligence for Design	4	ID2200 Behavioural Design	4
Elective 2 for Second Major (from List I)	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
ID3107 Design Platforms E	4	ID3109 Design Platforms G	4
ID3108 Design Platforms F	4	ID3110 Design Platforms H	4
ID2300 Computer Aided Design and Prototyping	4	CDE2501 Liveable Cities	4
ID3111 Discourse in Contemporary Design and Culture	4	GE	4
CDE3301 Ideas to Proof-of-Concept	6	GE	4
Sub-total	**22**	**Sub-total**	**20**

Semester 7	Units	Semester 8	Units
CDE4301 Innovation & Design Capstone or CDE4301A Ideas to Start-up	6	CDE4301 Innovation & Design Capstone or CDE4301A Ideas to Start-up	6
ID4107 Design Platforms I	4	Elective 3 for Second Major	4
ID4122 Design Entrepreneurship and Creative Leadership	4	Elective 4 for Second Major	4
GE	4	UE	4
Sub-total	**18**	**Sub-total**	**18**

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Recommended semester schedule
(for students who opt for a specialisation)

Semester 1	Units	Semester 2	Units
ID1114 Design Fundamentals A	2	ID1116 Design Fundamentals C	2
ID1115 Design Fundamentals B	2	ID1117 Design Fundamentals D	2
ID1223 Principles and Approaches to Design	4	ID1118 Design Fundamentals E	2
ID2100 Visual Communication Principles and Practices	4	ID1119 Design Fundamentals F	2
DTK1234 Design Thinking	4	ID1121 Human-Centred Design (double-counted as Elective 1 for Second Major)	4
GEA1000 Quantitative Reasoning with Data	4	EG1311 Design and Make	4
		PF1101A Project Management and Finance	4
		GE	4
Sub-total	**20**	**Sub-total**	**24**

Semester 3	Units	Semester 4	Units
ID2107 Design Platforms A	4	ID2109 Design Platforms C	4
ID2108 Design Platforms B	4	ID2110 Design Platforms D	4
ID2322 Materials and Production	4	ID2116 Computing for Design	4
CDE2212 Artificial Intelligence for Design	4	ID2200 Behavioural Design	4
GE	4	CDE3301 Ideas to Proof-of-Concept	6
Elective 2 for Second Major (from List I)	4		
Sub-total	**24**	**Sub-total**	**22**

Semester 5	Units	Semester 6 – can be used for SEP	Units
ID3107 Design Platforms E	4	ID3109 Design Platforms G	4
ID3108 Design Platforms F	4	ID3110 Design Platforms H	4
ID2300 Computer Aided Design and Prototyping	4	CDE2501 Liveable Cities	4
ID3111 Discourse in Contemporary Design and Culture	4	GE	4
CDE3301 Ideas to Proof-of-Concept	6	Elective 3 for Second Major	4
Sub-total	**22**	**Sub-total**	**20**

Semester 7	Units	Semester 8	Units
CDE4301 Innovation & Design Capstone or CDE4301A Ideas to Start-up	6	CDE4301 Innovation & Design Capstone or CDE4301A Ideas to Start-up	6
ID4107 Design Platforms I	4	Elective 4 for Second Major	4
ID4122 Design Entrepreneurship and Creative Leadership	4	ID4106 Design Thesis Project	12
ID4121 Project Research	4		
Specialisation Elective	4		
Sub-total	**22**	**Sub-total**	**22**

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Recommended semester schedule
(for students in one-semester NOC programmes)

Semester 1	Units	Semester 2	Units
ID1114 Design Fundamentals A	2	ID1116 Design Fundamentals C	2
ID1115 Design Fundamentals B	2	ID1117 Design Fundamentals D	2
ID1223 Principles and Approaches to Design	4	ID1118 Design Fundamentals E	2
ID2100 Visual Communication Principles and Practices	4	ID1119 Design Fundamentals F	2
DTK1234 Design Thinking	4	ID1121 Human-Centred Design (double-counted as Elective 1 for Second Major)	4
GEA1000 Quantitative Reasoning with Data	4	EG1311 Design and Make	4
		PF1101A Project Management and Finance	4
Sub-total	**20**	**Sub-total**	**20**

Semester 3	Units	Semester 4	Units
ID2107 Design Platforms A	4	ID2109 Design Platforms C	4
ID2108 Design Platforms B	4	ID2110 Design Platforms D	4
ID2322 Materials and Production	4	ID2116 Computing for Design	4
CDE2212 Artificial Intelligence for Design	4	ID2200 Behavioural Design	4
Elective 2 for Second Major (from List I)	4	CDE3301 Ideas to Proof-of-Concept	6
GE	4		
Sub-total	**24**	**Sub-total**	**22**

Semester 5	Units	Semester 6 – NOC	Units
ID3107 Design Platforms E	4	NOC	
ID3108 Design Platforms F	4		
ID2300 Computer Aided Design and Prototyping	4		
ID3111 Discourse in Contemporary Design and Culture	4		
CDE3301 Ideas to Proof-of-Concept	6		
Sub-total	**22**	**Sub-total**	**20**

Semester 7	Units	Semester 8	Units
CDE4301 Innovation & Design Capstone or CDE4301A Ideas to Start-up	6	CDE4301 Innovation & Design Capstone or CDE4301A Ideas to Start-up	6
ID4107 Design Platforms I	4	ID3109 Design Platforms G	4
ID4122 Design Entrepreneurship and Creative Leadership	4	ID3110 Design Platforms H	4
CDE2501 Liveable Cities	4	GE	4
GE	4		
Sub-total	**22**	**Sub-total**	**18**

A one-semester NOC programme comprises the following courses (up to 20 units):
- ETP3201S Innovation & Enterprise Internship (12 units) – counted as UE (12 units)
- ETP3204S Innovation & Enterprise Internship Practicum (Short) (4 units) – replaces Elective 3 for Second Major (4 units)
- Entrepreneurship course (4 units) – replaces Elective 4 for Second Major (4 units)

(updated 11 July 2025)