Innovation & Design Programme
NUS College of Design and Engineering

Bachelor of Arts (Architecture)
with Minor in Innovation & Design

Cohort AY2024/2025

Course Requirements	Units
Common Curriculum	
GEA1000 Quantitative Reasoning with Data	4
GE: Critique and Expression [1]	4
GE: Cultures and Connections [1]	4
GE: Communities and Engagement [1]	4
AR2524 Spatial Computational Thinking	4
CDE2501 Liveable Cities [2]	4
CDE2212 Artificial Intelligence for Design	4
EG1311 Design and Make	4
IE2141 Systems Thinking and Dynamics	4
PF1101 Fundamentals of Project Management	4
AR3102 Design 6	8
Sub-total for Common Curriculum	**48**
Major Requirements	
AR1101A Design 1 [3]	8
AR1102 Design 2	8
AR2101 Design 3	8
AR2102 Design 4	8
AR3101 Design 5	8
AR1328A Architectural Materials and Construction	4
AR1329 Climate, Ecology & Architecture [4]	4
AR2227 History and Theory of Architecture I	4
AR2228 History and Theory of Architecture II	4
AR2328A Architectural Tectonics & Structural	4
AR3223 Introduction to Urbanism	4
AR3328 Architectural Structures and Forces	4
AR3722 Sustainable Environmental System	4
Sub-total for Major Requirements	**72**
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	20
Sub-total for Unrestricted Electives	**40**
Total	**160**

Notes:

[1] Students may read equivalent courses in NUS College (NUSC), University Town College Programme (UTCP), and Ridge View Residential Programme (RVRC).

[2] AR2524 and CDE2501 fulfils Digital Literacy and Singapore Studies, respectively, for Architecture students.

[3] AR1101A replaces DTK1234 Design Thinking and CDE2000 Creating Narratives in the Common Curriculum.

[4] AR1329 fulfils the Sustainable Future pillar in the Common Curriculum.

(updated 31 July 2024)

Innovation & Design Programme
NUS College of Design and Engineering

Recommended semester schedule
(for students who may want to upgrade to a Second Major)

Semester 1	Units	Semester 2	Units
AR1101A Design 1	8	AR1102 Design 2	8
GEA1000 Quantitative Reasoning with Data	4	AR1328A Architectural Materials and Construction	4
EG1311 Design and Make	4	AR2227 History and Theory of Architecture I	4
GE	4	AR2524 Spatial Computational Thinking	4
		Group A/B course for Minor	4
Sub-total	**20**	**Sub-total**	**24**

Semester 3	Units	Semester 4	Units
AR2101 Design 3	8	AR2102 Design 4	8
AR2228 History and Theory of Architecture II	4	AR1329 Climate, Ecology & Architecture	4
AR2328A Architectural Tectonics & Structural	4	IE2141 Systems Thinking and Dynamics	4
CDE2212 Artificial Intelligence for Design	4	CDE3301 Ideas to Proof-of-Concept	6
Group A/B course for Minor	4		
Sub-total	**24**	**Sub-total**	**22**

Semester 5	Units	Semester 6 – can be used for SEP	Units
AR3101 Design 5	8	AR3102 Design 6	8
AR3223 Introduction to Urbanism	4	AR3722 Sustainable Environmental System	4
AR3328 Architectural Structures and Forces	4	CDE2501 Liveable Cities	4
CDE3301 Ideas to Proof-of-Concept	6	PF1101 Fundamentals of Project Management	4
Sub-total	**22**	**Sub-total**	**20**

Semester 7	Units	Semester 8	Units
GE *	4	UE	4
GE *	4	UE	4
UE	4	UE	4
UE	4		
Sub-total	**16**	**Sub-total**	**12**

* Students in UTCP and RVRC will need to overload in Semesters 2 to 4 in order to clear these courses earlier.

(updated 31 July 2024)

Innovation & Design Programme
NUS College of Design and Engineering

Recommended semester schedule
(for students who are not planning to upgrade to a Second Major)

Semester 1	Units	Semester 2	Units
AR1101A Design 1	8	AR1102 Design 2	8
GEA1000 Quantitative Reasoning with Data	4	AR1328A Architectural Materials and Construction	4
EG1311 Design and Make	4	AR2227 History and Theory of Architecture I	4
GE	4	AR2524 Spatial Computational Thinking	4
Sub-total	20	Sub-total	20

Semester 3	Units	Semester 4	Units
AR2101 Design 3	8	AR2102 Design 4	8
AR2228 History and Theory of Architecture II	4	AR1329 Climate, Ecology & Architecture	4
AR2328A Architectural Tectonics & Structural	4	IE2141 Systems Thinking and Dynamics	4
CDE2212 Artificial Intelligence for Design	4	Group A/B course for Minor	4
Sub-total	20	Sub-total	20

Semester 5	Units	Semester 6	Units
AR3101 Design 5	8	AR3102 Design 6	8
AR3223 Introduction to Urbanism	4	AR3722 Sustainable Environmental System	4
AR3328 Architectural Structures and Forces	4	CDE2501 Liveable Cities	4
Group A/B course for Minor	4	CDE3301 Ideas to Proof-of-Concept	6
Sub-total	20	Sub-total	22

Semester 7	Units	Semester 8	Units
CDE3301 Ideas to Proof-of-Concept	6	PF1101 Fundamentals of Project Management	4
GE *	4	UE	4
GE *	4	UE	4
UE	4	UE	4
		UE	4
Sub-total	18	Sub-total	20

* Students in UTCP and RVRC will need to overload in Semesters 2 to 4 in order to clear these courses earlier.

(updated 31 July 2024)