Innovation & Design Programme
NUS College of Design and Engineering

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

Cohort AY2023/2024

Course Requirements	Units
Common Curriculum	
GEA1000 Quantitative Reasoning with Data	4
AR2524 Spatial Computational Thinking	4
GE: Critique and Expression *	4
GE: Cultures and Connections *	4
GE: Singapore Studies *	4
GE: Communities and Engagement *	4
CDE2000 Creating Narratives	4
CDE2212 Artificial Intelligence for Design	4
CDE2501 Liveable Cities	4
DTK1234A Design Thinking	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	**60**
Major Requirements	
AR1101 Design 1	4
AR1102 Design 2	8
AR2101 Design 3	8
AR2102 Design 4	8
AR3101 Design 5	8
AR1329 Climate, Ecology & Architecture	4
AR2227 History and Theory of Architecture I	4
AR2228 History and Theory of Architecture II	4
AR2328 Architectural Construction & Tectonics	4
AR3223 Introduction to Urbanism	4
AR3722 Sustainable Environmental System	4
Sub-total for Major Requirements	**60**
Unrestricted Electives	
Group A course for Minor	4
Group B course for Minor	4
CDE3301/EG3301R Ideas to Proof-of-Concept (over 2 consecutive semesters)	12
Other unrestricted electives	20
Sub-total for Unrestricted Electives	**40**
Total	**160**

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

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

Semester 1	Units	Semester 2	Units
AR1101 Design 1	4	AR1102 Design 2	8
DTK1234A Design Thinking	4	AR2227 History and Theory of Architecture I	4
EG1311 Design & Make	4	AR2524 Spatial Computational Thinking	4
GEA1000 Quantitative Reasoning with Data	4	CDE2000 Creating Narratives	4
GE	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
AR2328 Architectural Construction & Tectonics	4	IE2141 Systems Thinking & Dynamics	4
CDE2212 Artificial Intelligence for Design	4	CDE3301/EG3301R 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	AR3101 Design 6	8
AR3223 Introduction to Urbanism	4	AR3722 Sustainable Environmental System	4
CDE2501 Liveable Cities	4	GE *	4
CDE3301/EG3301R Ideas to Proof-of-Concept	6	UE	4
Sub-total	**22**	**Sub-total**	**20**

Semester 7	Units	Semester 8	Units
GE *	4	PF1101 Fundamentals of Project Management	4
UE	4	GE *	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.

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

Semester 1	Units	Semester 2	Units
AR1101 Design 1	4	AR1102 Design 2	8
DTK1234A Design Thinking	4	AR2227 History and Theory of Architecture I	4
EG1311 Design & Make	4	AR2524 Spatial Computational Thinking	4
GEA1000 Quantitative Reasoning with Data	4	CDE2000 Creating Narratives	4
GE	4	GE	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
AR2328 Architectural Construction & Tectonics	4	IE2141 Systems Thinking & Dynamics	4
CDE2212 Artificial Intelligence for Design	4	Group A/B course for Minor	4
GE	4		
Sub-total	24	Sub-total	20

Semester 5	Units	Semester 6 – can be used for SEP	Units
AR3101 Design 5	8	AR3101 Design 6	8
AR3223 Introduction to Urbanism	4	AR3722 Sustainable Environmental System	4
CDE2501 Liveable Cities	4	GE	4
Group A/B course for Minor	4	CDE3301/EG3301R Ideas to Proof-of-Concept	6
Sub-total	20	Sub-total	22

Semester 7	Units	Semester 8	Units
CDE3301/EG3301R Ideas to Proof-of-Concept	6	PF1101 Fundamentals of Project Management	4
UE	4	UE	4
UE	4	UE	4
UE	4		
Sub-total	18	Sub-total	12

(updated 11 July 2024)