NUS Innovation & Design Programme
College of Design and Engineering

Bachelor of Landscape Architecture
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
AR2524 Spatial Computational Thinking 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
DTK2234 Advanced 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	
LAD1001A Design 1	8
LAD1005 Design 2	8
LAD2006 Design 3	8
LAD2007 Design 4	8
LAD3001 Design 5	8
LAD3002 Design 6	8
LAD1003 Introduction to Landscape Architecture	4
LAD2003 Landscape Construction I	4
LAD2004 Planting Design and Horticulture	4
LAD2005 Introductory GIS for Landscape Architecture	4
LAD2008 Landscape Representation	4
LAD2009 History and Theory of Landscape Architecture	4
LAD2010 Landscape Ecology	4
LA/BLA Recognised Elective	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]	16
Sub-total for Unrestricted Electives	**40**
Total	**160**

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.

(updated 11 July 2025)

NUS Innovation & Design Programme
College of Design and Engineering

Recommended semester schedule

Semester 1	Units	Semester 2	Units
LAD1001A Design 1	8	LAD1005 Design 2	8
LAD1003 Introduction to Landscape Architecture	4	LAD2003 Landscape Construction I	4
DTK2234 Advanced Design Thinking	4	LAD2008 Landscape Representation	4
GEA1000 Quantitative Reasoning with Data	4	EG1311BE Design and Make	4
		Elective 1 for Second Major (from List I)	4
Sub-total	**20**	**Sub-total**	**24**

Semester 3	Units	Semester 4	Units
LAD2006 Design 3	8	LAD2007 Design 4	8
LAD2004 Planting Design and Horticulture	4	LAD2009 History and Theory of Landscape Architecture	4
LAD2005 Introductory GIS for Landscape Architecture	4	LAD2010 Landscape Ecology	4
AR2524 Spatial Computational Thinking	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
LAD3001 Design 5	8	LAD3006 Design 6	8
LA/BLA Recognised Elective	4	CDE2501 Liveable Cities	4
CDE2212 Artificial Intelligence for Design	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
Elective 3 for Second Major	4	Elective 4 for Second Major	4
GE	4	PF1101A Project Management and Finance	4
Sub-total	**14**	**Sub-total**	**14**

(updated 11 July 2025)

NUS Innovation & Design Programme
College of Design and Engineering

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

Semester 1	Units	Semester 2	Units
LAD1001A Design 1	8	LAD1005 Design 2	8
LAD1003 Introduction to Landscape Architecture	4	LAD2003 Landscape Construction I	4
DTK2234 Advanced Design Thinking	4	LAD2008 Landscape Representation	4
GEA1000 Quantitative Reasoning with Data	4	EG1311BE Design and Make	4
		Elective 1 for Second Major (from List I)	4
Sub-total	**20**	**Sub-total**	**24**

Semester 3	Units	Semester 4	Units
LAD2006 Design 3	8	LAD2007 Design 4	8
LAD2004 Planting Design and Horticulture	4	LAD2009 History and Theory of Landscape Architecture	4
LAD2005 Introductory GIS for Landscape Architecture	4	LAD2010 Landscape Ecology	4
AR2524 Spatial Computational Thinking	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
LAD3001 Design 5	8	LAD3006 Design 6	8
LA/BLA Recognised Elective	4	CDE2501 Liveable Cities	4
CDE2212 Artificial Intelligence for Design	4	GE	4
CDE3301 Ideas to Proof-of-Concept	6	GE	4
		GE	4
Sub-total	**22**	**Sub-total**	**24**

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
Elective 3 for Second Major	4	Elective 4 for Second Major	4
Specialisation course 1	4	Specialisation course 4	4
Specialisation course 2	4	Specialisation course 5	4
Specialisation course 3	4	PF1101A Project Management and Finance	4
Sub-total	**22**	**Sub-total**	**22**

(updated 11 July 2025)

NUS Innovation & Design Programme
College of Design and Engineering

Recommended semester schedule
(for students in year-long NOC programmes)

Semester 1	Units	Semester 2	Units
LAD1001A Design 1	8	LAD1005 Design 2	8
LAD1003 Introduction to Landscape Architecture	4	LAD2003 Landscape Construction I	4
DTK2234 Advanced Design Thinking	4	LAD2008 Landscape Representation	4
GEA1000 Quantitative Reasoning with Data	4	EG1311BE Design and Make	4
		Elective 1 for Second Major (from List I)	4
Sub-total	**20**	**Sub-total**	**24**

Semester 3	Units	Semester 4	Units
LAD2006 Design 3	8	LAD2007 Design 4	8
LAD2004 Planting Design and Horticulture	4	LAD2009 History and Theory of Landscape Architecture	4
LAD2005 Introductory GIS for Landscape Architecture	4	LAD2010 Landscape Ecology	4
AR2524 Spatial Computational Thinking	4	GE	4
Elective 2 for Second Major (from List I)	4	CDE3301 Ideas to Proof-of-Concept	6
Sub-total	**24**	**Sub-total**	**26**

Semester 5	Units	Semester 6 – NOC	Units
LAD3001 Design 5	8		
LA/BLA Recognised Elective	4	NOC	
CDE2212 Artificial Intelligence for Design	4		
CDE3301 Ideas to Proof-of-Concept	6		
Sub-total	**22**	**Sub-total**	**20**

Semester 7 – NOC	Units	Semester 8	Units
		LAD3006 Design 6	8
		CDE2501 Liveable Cities	4
NOC		PF1101A Project Management and Finance	4
		GE	4
		GE	4
Sub-total	**20**	**Sub-total**	**24**

A year-long NOC programme comprises the following courses (up to 40 units):
- ETP3206L Innovation & Enterprise Internship (16 units) – counted as UE (16 units)
- ETP3202L Innovation & Enterprise Case Study & Analysis (8 units) – replaces CDE4301A (8 units out of 12 units)
- ETP3203L Innovation & Enterprise Internship Practicum (8 units) – replaces CDE4301A (4 units out of 12 units) and UE (4 units)
- Entrepreneurship courses (up to 8 units) – replaces Electives 3 and 4 for Second Major (students will need to complete Electives 3 and/or 4 for Second Major in NUS if they are unable to complete 8 units of entrepreneurship courses during NOC)

(updated 11 July 2025)

NUS Innovation & Design Programme
College of Design and Engineering

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

Semester 1	Units	Semester 2	Units
LAD1001A Design 1	8	LAD1005 Design 2	8
LAD1003 Introduction to Landscape Architecture	4	LAD2003 Landscape Construction I	4
DTK2234 Advanced Design Thinking	4	LAD2008 Landscape Representation	4
GEA1000 Quantitative Reasoning with Data	4	EG1311BE Design and Make	4
		Elective 1 for Second Major (from List I)	4
Sub-total	**20**	**Sub-total**	**24**

Semester 3	Units	Semester 4	Units
LAD2006 Design 3	8	LAD2007 Design 4	8
LAD2004 Planting Design and Horticulture	4	LAD2009 History and Theory of Landscape Architecture	4
LAD2005 Introductory GIS for Landscape Architecture	4	LAD2010 Landscape Ecology	4
AR2524 Spatial Computational Thinking	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 – NOC	Units
LAD3001 Design 5	8		
LA/BLA Recognised Elective	4	NOC	
CDE2212 Artificial Intelligence for Design	4		
CDE3301 Ideas to Proof-of-Concept	6		
Sub-total	**22**	**Sub-total**	**20**

Semester 7	Units	Semester 8	Units
CDE4301 Innovation & Design Capstone <u>or</u> CDE4301A Ideas to Start-up	6	CDE4301 Innovation & Design Capstone <u>or</u> CDE4301A Ideas to Start-up	6
CDE2501 Liveable Cities	4	LAD3006 Design 6	8
GE	4	PF1101A Project Management and Finance	4
GE	4	GE	4
Sub-total	**18**	**Sub-total**	**22**

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)