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**nus architecture**  
**BA (ARCHITECTURE)**  
**COURSE INFORMATION**  
**FOR 2009/10 COHORT**

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**4-Year B.A. (Arch.) (Hons.) Programme**

**Career Opportunities and Professional Registration**

The B.A. (Arch.) programme is the first degree in Architecture leading to the M.Arch professional degree. B.A. (Arch.) graduates may join architectural firms or architectural departments of a government or statutory body. Opportunities in related fields include interior design, industrial design, industrialised building systems, graphic design, commercial art and architectural journalism. The B.A. (Arch.) degree does not in itself qualify graduates for registration with the Board of Architects. B.A. (Arch.) graduates may be considered for admission to the Master of Architecture programme or other academic graduate studies.

B.A. (Arch.) graduates must proceed to the M.Arch programme in order to eventually register as an architect with the Board of Architects, Singapore. M.Arch graduates with a minimum of two years of practical experience in an architectural department of a government establishment, statutory board or architectural firm are eligible to sit for the Professional Practice Examination conducted by the Board of Architects, Singapore. Those who pass the examination are then eligible to apply for registration as architects.

The Bachelor of Arts (Arch.) is a 4-year direct honours programme leading to the following degree classifications: First Class Honours, Second Class Honours (Upper Division), Second Class Honours (Lower Division), Third Class, and a Pass.

**Chart 1: Curriculum Structure of the 4-year B.A. (Arch.) (Hons.) Programme**

<b>No.</b>	<b>Modules</b>	<b>MCs</b>
<b>1</b>	<b>UNIVERSITY REQUIREMENTS</b>	
a	General Education Modules (GEM) comprising:	
i	1 from Group A: Science & Technology	4
ii	1 from Group B: Humanities & Social Sciences - Which includes GEK1016 History and Theory of Modern Architecture	4
b	Singapore Studies (SS)	4
c	Breadth (Elective modules outside SDE) -Which includes HR3003 (Management & Human Relations)	8
<b>2</b>	<b>PROGRAMME REQUIREMENTS</b>	
a	Essential modules taken within the Department	120 [116]
b	Essential modules taken outside the Department	4 [8]

<b>3</b>	<b>UNRESTRICTED ELECTIVES (UE)</b> (within/outside SDE) - Which includes AR1221 (Ideas and Approaches in Design)	20
	<b>GRAND TOTAL</b>	<b>164 MCs</b>

Additional breadths read over and above the University requirement would be converted to Unrestricted Electives.

### **Architecture Concurrent Degree Programme Streaming**

Under the Architecture Concurrent Degree Programme, students will indicate their choice of study towards the end of the 3<sup>rd</sup> year.

The following courses are offered and students are required to rank them according to their choice of study

- Architectural Design Track
- Design Technology and Management Track
- Landscape Architecture Track
- Academic Track

The students will be streamed based on their preference and fulfilment of the admission requirements. Please see table 1

### **Graduation Requirements for 4-year B.A. (Arch.) Programme**

The students required to fulfil the graduation requirements for the corresponding course of study as summarized in Table 1, along with the other requirements governing the CAP to progress in this programme and graduate with a B.A. (Arch.)/ B.A (Arch.) Hons following the NUS classification.

Students who exit the concurrent degree programme at B.A. (Arch.) Level 4 and consequently seek admission to M.Arch/M.LA would be required to fulfil a minimum CAP of 3.5 and other criteria governing admission as determined at the point of application.

### **Progression to M.Arch/M.LA under the Architecture Concurrent Degree Programme**

The admission requirements for various tracks of the M.Arch and M.LA are summarized in Table 1.

Students would receive both B.A. (Arch.) Hons/ B.A. (Arch.) (depending on his/her CAP) and M.Arch/ M.LA degrees concurrently upon completing the Masters programme. The specialization of the course of study (if any) would be reflected in the transcript of the Masters programme.

**Table 1: A summary of the Architecture Concurrent Degree Programme**

Level 5 (Masters)	Master of Architecture			Master of Landscape Architecture	Master of Arts (Architecture) or Other NUS Graduate Courses
		with specialization in <b>Urban Design</b>	with specialization in <b>Design Technology &amp; Management</b>		
<b>Admission Criteria to Level 5</b>	<ul style="list-style-type: none"> <li>Min C grade in AR4101 and AR4102</li> <li><b>Min CAP of 2.5</b></li> <li><b>Portfolio Review and Interview (for Discretionary Admission)</b></li> </ul>	<ul style="list-style-type: none"> <li>Min B+ average for AR4101 and AR4102</li> <li><b>Min CAP of 2.5</b></li> <li><b>Portfolio Review and Interview (for all students who wish to read UD specialization) *</b></li> </ul>	<ul style="list-style-type: none"> <li>Min B- average for AR4103 and AR4104</li> <li>Min CAP of 2.5</li> <li><b>Portfolio Review and Interview (for Discretionary Admission)</b></li> </ul>	<ul style="list-style-type: none"> <li>Min B- average for LA4701 and LA4702</li> <li>Min CAP of 2.5.</li> <li><b>Portfolio Review and Interview (for Discretionary Admission)</b></li> </ul>	Subjected to admission criteria of Master of Arts(Architecture) or other NUS Graduate programmes
<b>Level 4 B.A (Arch)/ B.A (Arch) Hons</b>	Design Track		Design Technology & Management Track	Specialization in Landscape Architecture	Architectural Studies (Pending Approval)
<b>Special Terms 3 &amp; 4</b>				Bridging Course	
<b>Eligibility Criteria</b>	<ul style="list-style-type: none"> <li>Min B- average for AR3101 and AR3102</li> <li>Min B- for AR3102</li> </ul>		<ul style="list-style-type: none"> <li>Min C grade for both AR3101 and AR3102</li> </ul>		
<b>Level 3</b>	Common program leading to RIBA Part 1				
<b>Level 2</b>					
<b>Level 1</b>					

### Listing of Modules

The 4-year B.A. (Arch.) programme is structured as follows:

**Chart 2a: B.A. (Arch.) Curriculum – Architectural Design Track**

Common								
	Level 1		Level 2		Level 3		Level 4	
	Sem 1	Sem 2	Sem 1	Sem 2	Sem 1	Sem 2	Sem 1	Sem 2
<b>Design</b>	AR1101 Design 1 (8 MCs)	AR1102 Design 2 (8 MCs)	AR2101 Design 3 (8 MCs)	AR2102 Design 4 (12 MCs)	AR3101 Design 5 (8 MCs)	AR3102 Design 6 (12 MCs)	AR4101 Design 7 (8 MCs)	AR4102 Design 8 (8 MCs)
<b>Design Lectures</b>	AR1121 Spatial-Visual Comm (4 MCs)							
<b>History Theory &amp; Criticism</b>			AR2221 H & T of SEA Arch. (4 MCs)		AR3222 H & T of Western Arch. (4 MCs)		AR5011 Research Methodology (4 MCs)	
<b>Urban Studies</b>				AR2223 Theory of UD & Planning (4 MCs)				
<b>Technology &amp; Environment</b>		AR1326 Arch. Constr I (4 MCs)		AR2326 Arch. Constr II (4 MCs)		AR3323 Arch. Constr III (4 MCs)		
	PF2102 Structural Systems (4 MCs)	AR1721 Climatic Responsive Arch (4 MCs)	AR2723 Strategies for Sustainable Arch (4 MCs)	AR2724 Designing with Eenvtal Systems (4 MCs)		AR3324 Architectural Structures (4 MCs)		
General Education Modules (GEM) – 8 MCs* Singapore Study Module (SS) – 4 MCs Breadth (Electives outside SDE) – 8 MCs** Unrestricted Electives (within/ outside SDE) (UE) – 20 MCs#								

\* GEK1016 History and Theory of Modern Architecture (Group B GEM) is a compulsory GEM to be read in Semester 1 of Year 1.

\*\* HR3003 Management & HR is a compulsory Breadth to be read in Semester 1 of Year 3

# AR1221 Ideas and Approaches in Design is a compulsory UE to be read in Semester 1 of Year 1

# AR2511 Digital Design Media is a compulsory UE to be read in Semester 1 of Year 2

# Students who wish to proceed to the Master of Architecture course are required to take the following as Unrestricted Electives in Semester 1 of Year 4

- AR5321 Advanced Architectural Technology

- UD5221 Theory & Elements of Urban Design

- Another module to be advised by the Department

**Students are not allowed to declare S/U option for GEK1016, AR1221, AR2511, HR3003 and the prescribed UEs to be read in Year 4**

Chart 2b: B.A. (Arch.) Curriculum – *Design Technology and Management Track*

← Common →

	Level 1		Level 2		Level 3		Level 4	
	Sem 1	Sem 2	Sem 1	Sem 2	Sem 1	Sem 2	Sem 1	Sem 2
<b>Design</b>	AR1101 Design 1 (8 MCs)	AR1102 Design 2 (8 MCs)	AR2101 Design 3 (8 MCs)	AR2102 Design 4 (12 MCs)	AR3101 Design 5 (8 MCs)	AR3102 Design 6 (12 MCs)	Students are required to read the following modules, completing one in each semester: a) AR4103 Architectural & Technology Design 1 (8 MCs) b) AR4104 Architectural & Technology Design 2 (8 MCs)	
<b>Design Lectures</b>	AR1121 Spatial-Visual Comm (4 MCs)							
<b>History Theory &amp; Criticism</b>			AR2221 H & T of SEA Arch. (4 MCs)		AR3222 H & T of Western Arch. (4 MCs)			
<b>Urban Studies</b>				AR2223 Theory of UD & Planning (4 MCs)				
<b>Technology &amp; Environment</b>		AR1326 Arch. Constr I (4 MCs)		AR2326 Arch. Constr II (4 MCs)		AR3323 Arch. Constr III (4 MCs)	AR4322 Design Simulation and Analysis (4 MCs)	
	PF2102 Structural Systems (4 MCs)	AR1721 Climatic Responsive Architecture (4 MCs)	AR2723 Strategies for Sustainable Architecture (4 MCs)	AR2724 Designing with Env'tal Systems (4 MCs)		AR3324 Architectural Structures (4 MCs)		
	General Education Modules (GEM) – 8 MCs* Singapore Study Module (SS) – 4 MCs Breadth (Electives outside SDE) – 8 MCs** Unrestricted Electives (within/ outside SDE) (UE) – 20 MCs#							

\*GEK1016 History and Theory of Modern Architecture (Group B GEM) is a compulsory GEM to be read in Semester 1 of Year 1.

\*\*HR3003 Management & HR is a compulsory Breadth to be read in Semester 1 of Year 3

# AR1221 Ideas and Approaches in Design is a compulsory UE to be read in Semester 1 of Year 1

# AR2511 Digital Design Media is a compulsory UE to be read in Semester 1 of Year 2

# Students who wish to proceed to the Master of Architecture are required to take the following as Unrestricted Electives in Year 4:

- AR5321 Advanced Architectural Technology (Semester 1)
- AR4323 Integrated Design & Sustainability (Semester 2)
- Another module to be advised by the Department

**Students are not allowed to declare S/U option for GEK1016, AR1221, AR2511, HR3003 and the prescribed UEs to be read in Year 4.**

Chart 2c: B.A. (Arch.) Curriculum – Landscape Architecture Track

Common

	Level 1		Level 2		Level 3				Level 4	
	Sem 1	Sem 2	Sem 1	Sem 2	Sem 1	Sem 2	Special Term 3	Special Term 4	Sem 1	Sem 2
Design	AR1101 Design 1 (8 MCs)	AR1102 Design 2 (8 MCs)	AR2101 Design 3 (8 MCs)	AR2102 Design 4 (12 MCs)	AR3101 Design 5 (8 MCs)	AR3102 Design 6 (12 MCs)	LA3701 Intro to Landscape Design (4 MCs)		LA4701 Landscape Design Studio 4a (8 MCs)	LA4702 Landscape Design Studio 4b (8 MCs)
	AR1121 Spatial-Visual Comm (4 MCs)									
Landscape Architecture							LA3711 Sketchbook 1 (2 MCs)	LA3712 Sketchbook 2 (2 MCs)	LA4301 Mat & Techq (4 MCs)	LA4212 Tropical Plant Identification 2 (4 MCs)
							LA3201 Intro to Hist of Landscape (4 MCs)	LA3211 Tropical Plant Identification 1 (4 MCs)	LA4201 Theory of Modern Landscape Architecture (4 credits)	
								LA3301 Plant Sc & Horticulture (4 MCs)		
History Theory & Criticism			AR2221 H & T of SEA Arch. (4 MCs)		AR3222 H & T of Western Arch. (4 MCs)					
Urban Studies				AR2223 Theory of UD & Planning (4 MCs)						
Technology & Environment		AR1326 Arch. Constr I (4 MCs)		AR2326 Arch. Constr II (4 MCs)		AR3323 Arch. Constr III (4 MCs)				
	PF2102 Structural Systems (4 MCs)	AR1721 Climatic Responsive Arch (4 MCs)	AR2723 Strategies for Sustainable Arch (4 MCs)	AR2724 Designing with Env'tal Systems (4 MCs)		AR3324 Architectural Structures (4 MCs)				
	General Education Modules (GEM) – 8 MCs* Singapore Study Module (SS) – 4 MCs Breadth (Electives outside SDE) – 8 MCs** Unrestricted Electives (within/ outside SDE) (UE) – 20 MCs#									

\*GEK1016 History and Theory of Modern Architecture (Group B GEM) is a compulsory GEM to be read in Semester 1 of Year 1.

\*\*HR3003 Management & HR is a compulsory Breadth to be read in Semester 1 of Year 3

# AR1221 Ideas and Approaches in Design is a compulsory UE to be read in Semester 1 of Year 1

# AR2511 Digital Design Media is a compulsory UE to be read in Semester 1 of Year 2

# Students are required to take the following as Unrestricted Electives in Year 4

-BL5102 Environmental Science (Semester 1)

-LA4202 Planting Design (Semester 2)

-DE5107 Environmental Planning (Semester 2)

**Students in Landscape Architectural Specialization will read a total of 192 modular credits. Modules taken in special terms 3 and 4 will be graded as CS (Completed Satisfactory) or CU (Completed Unsatisfactory). The grades will not be factored into CAP computation and do not count towards the 12 MCs limit for S/U modules**

**Students are not allowed to declare S/U option for GEK1016, AR1221, AR2511, HR3003, LA4202, BL5102 and DE5107**

**Chart 2d: B.A. (Arch.) Curriculum – Architectural Studies Specialization**

← Common →								
	Level 1		Level 2		Level 3		Level 4	
	Sem 1	Sem 2	Sem 1	Sem 2	Sem 1	Sem 2	Sem 1	Sem 2
<b>Design</b>	AR1101 Design 1 (8 MCs)	AR1102 Design 2 (8 MCs)	AR2101 Design 3 (8 MCs)	AR2102 Design 4 (12 MCs)	AR3101 Design 5 (8 MCs)	AR3102 Design 6 (12 MCs)		
<b>Design Lectures</b>	AR1121 Spatial-Visual Comm (4 MCs)							
<b>History Theory &amp; Criticism</b>			AR2221 H & T of SEA Arch. (4 MCs)		AR3222 H & T of Western Arch. (4 MCs)		AR5312 Typo Morphology in Arch (4 credits)	AR4142 Research Report (8 credits)
							AR4222 Asian Arch and Urban Hist (4 credits)	AR4223 Arch and Urban Heritage (4 credits)
<b>Urban Studies</b>				AR2223 Theory of UD & Planning (4 MCs)				
<b>Technology &amp; Environment</b>		AR1326 Arch. Constr I (4 MCs)		AR2326 Arch. Constr II (4 MCs)		AR3323 Arch. Constr III (4 MCs)		
	PF2102 Structural Systems (4 MCs)	AR1721 Climatic Responsive Arch (4 MCs)	AR2723 Strategies for Sustainable Arch (4 MCs)	AR2724 Designing with Eenvtal Systems (4 MCs)		AR3324 Architectural Structures (4 MCs)		
General Education Modules (GEM) – 8 MCs*								

	Singapore Study Module (SS) – 4 MCs Breadth (Electives outside SDE) – 8 MCs** Unrestricted Electives (within/ outside SDE) (UE) – 20 MCs#
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\*GEK1016 History and Theory of Modern Architecture (Group B GEM) is a compulsory GEM to be read in Semester 1 of Year 1.

\*\*HR3003 Management & HR is a compulsory Breadth to be read in Semester 1 of Year 3

# AR1221 Ideas and Approaches in Design is a compulsory UE to be read in Semester 1 of Year 1

# AR2511 Digital Design Media is a compulsory UE to be read in Semester 1 of Year 2

# Students are required to take the following as Unrestricted Electives in Year 4

- AR5011 Research Methodology (Semester 1)
- Another 2 electives as advised by the Department

**Students are not allowed to declare S/U option for GEK1016, AR1221, AR2511, HR3003 and the prescribed UEs to be read in Year 4**

### Teaching Approach

Design modules are taught through design studios. Critique sessions will form part of the studio procedure in teaching. Lecture modules include formal lectures, followed by seminars/tutorials. Field trips, site visits, measurement and study of buildings for research, investigation and documentation may be involved.

### Assessment and Examination

Assessment criteria will vary according to the modules offered. In the Department of Architecture, design modules are assessed by 100% “continuous assessment” (CA). The other essential modules may also be assessed by 100% CA or a combination of CA and Examination.

Students who fail an essential module will retake the module when it is next offered and must sit for the examination in that Semester. A retake module refers to a module where students have to attend lectures and tutorials and complete assignments and examinations. A new CA grade has to be obtained.

Students who fail a GEM/SS/Breadth/UE module may either replace it with a new GEM/SS/Breadth/UE module or retake the failed module the following year. There is no limit to the number of times a student may retake the same GEM/SS/Breadth/UE module.

A student who has passed the examination of a module will not be permitted to retake the same module again for the purpose of improving his/her grade. This condition does not apply to the Design modules where the prerequisite for progression to the next level is a ‘C’ grade. Students who achieve a ‘D’ grade would be required to retake the Design module.

### Progression of Students

Min. MCs (in general) for promotion to the next level	ARK1 -> ARK2 [ $\geq 40$ MC] ARK2 -> ARK3 [ $\geq 80$ MC] ARK3 -> ARK4 [ $\geq 120$ MC]
Additional requirements	Must pass Design with a minimum C grade

### Degree/ Honours Classification

Successful candidates of the B.A. (Arch.) course are awarded the degree based on the following classification:

<b>Class of Honours</b>	<b>CAP Cut-Off</b>
First Class Honours	4.5 & above, plus at least an A- in Honours thesis/Final Year project
Second Class Honours (Upper Division)	4.00 – 4.49 inclusive
Second Class Honours (Lower Division)	3.50 – 3.99 inclusive
Third Class Honours	3.20 – 3.49 inclusive
Pass	2.00 – 3.19 inclusive

Students have to take all essential modules offered in the semester to which they have progressed, provided they have passed the relevant pre-requisites. In addition, they may take modules to satisfy University and other requirements.

**Minimum Graduating criteria for**

- **BA (Arch):** Min. Grade C for Design and CAP 2.0
- **BA (Arch) Hons:** Min. Grade C for Design and CAP 3.2

**Modules Information**

Please refer to <http://www.nus.edu.sg/registrar/nusbuletin/modulesearch.html>