

MATRIX FOR ARCHITECTURE EDUCATION (as of 22thAAEC) Brunei - Malaysia

MEMBER STATE	Brunei Darussalam	Cambodia	Indonesia	Lao PDR	Malaysia	
NUMBER OF SCHOOLS OF ARCHITECTURE	1	11 Schools	136	2 Schools	accredited schools	8 no. Fully accredited (3+2 programme) 10 no. Part I
LIST OF SCHOOL / PROGRAMME OF ARCHITECTURE RECOGNISED BY PRA	<p>1. Universiti Teknologi Brunei</p> <p>a) Bachelor of Science (Architecture)</p>	<p>1. Royal University of Fine Arts (State School)</p> <p>2. Western University of Cambodia</p> <p>3. Norton University</p> <p>4. Mekong University</p> <p>5. Build Bright University</p> <p>6. Pannasastra University of Cambodia</p> <p>7. Setec University</p> <p>8. Limkokwing University</p> <p>9. Paragon University</p> <p>10. National Polytechnic Institute of Cambodia (NPIC)</p> <p>11. Phnom Penh Institute of Technology</p> <p>Note: Cambodia to confirm accreditation of the additional universities)</p>	<p style="text-align: center;">See attached list (doc 03-1) Among others (e.g)</p> <p>1 Institut Teknologi Adhitama Surabaya (ITATS), Surabaya</p> <p>2 Institut Teknologi Bandung, Bandung</p> <p>3 Institut Teknologi Nasional, Bandung</p> <p>4 Institut Teknologi Sepuluh November, Surabaya</p> <p>5 Universitas Atmajaya, Yogyakarta</p> <p>6 Universitas Borobudur, Jakarta</p> <p>7 Universitas Brawijaya, Malang</p> <p>8 Universitas Bung Hatta, Padang</p> <p>9 Universitas Bung Karno, Jakarta</p> <p>10 Universitas Diponegoro, Semarang</p> <p>11 Universitas Gadjah Mada, Yogyakarta</p> <p>12 Universitas Hasanuddin, Makassar</p> <p>13 Universitas Indonesia, Jakarta</p> <p>14 Universitas Islam Indonesia, Yogyakarta</p> <p>15 Universitas Kristen Duta Wacana, Yogyakarta</p> <p>16 Universitas Kristen Petra, Surabaya</p> <p>17 Universitas Merdeka, Malang</p> <p>18 Universitas Muhammadiyah Palembang, Palembang</p> <p>19 Universitas Muslim Indonesia, Makassar</p> <p>20 Universitas Negeri Sebelas Maret, Surakarta</p> <p>21 Universitas Pancasila, Jakarta</p> <p>22 Universitas Parahyangan, Bandung</p> <p>Uniiversity of Tantri Abeng</p> <p>Note: <u>The above universities Indonesia to identify which universities already have the 5-year programme</u></p>	<p>1.Lao National University, Vientiane Capital City, Lao PDR.</p> <ul style="list-style-type: none"> ▪ Bachelor of Architecture (5 years) ▪ Product Design (4 year) ▪ Decoration Design/Interior Design (4 year) ▪ Urban Environment (4 year) ▪ Building technology (4 year) <p>Master Degree (2 years) After the bachelor degree</p> <ul style="list-style-type: none"> ▪ Master of Urban Design ▪ Master of Science in Urban and Environmental Planning ▪ Master of Architecture and Urban Studies <p>2.Suphanouvong University, Luangphabang City. Luangphabang Province</p> <ul style="list-style-type: none"> ▪ Bachelor of Architecture (5 years) ▪ Interior Decoration (4 year) ▪ Architecture management (4 year) 	<p>Fully Accredited Programs: (Part I & II)</p> <p>1. Universiti Teknologi Malaysia (UTM)</p> <p>a) Bachelor of Science (Architecture)</p> <p>b) Master of Architecture</p> <p>2. Universiti Teknologi MARA (UiTM)</p> <p>a) Bachelor of Science (Architecture)</p> <p>b) Master of Achitecture</p> <p>3. Universiti Sains Malaysia (USM)</p> <p>a) Bachelor of Housing, Building & Planning (Architecture)</p> <p>b) Bachelor of Architecture</p> <p>4. Universiti Malaya (UM)</p> <p>a) Bachelor of Science in Architecture</p> <p>b) Master of Architecture</p> <p>5. Universiti Islam Antarabangsa (UIA)</p> <p>a) Bachelor of Science in Architectural Studies</p> <p>b) Bachelor of Architecture</p> <p>6. Universiti Putra Malaysia (UPM)</p> <p>a) Bachelor of Design (Architecture)</p> <p>b) Bachelor of Architecture</p> <p>7. Taylor's University</p> <p>a) Bachelor of Science (Hons) in Architecture</p>	

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					<p>b) Master of Architecture</p> <p>8. Universiti Kebangsaan Malaysia (UKM)</p> <p>a) Bachelor of Science in Architecture</p> <p>b) Master in Architecture</p> <p>Part I Accredited Programs:</p> <p>9. UCSI University Kuala Lumpur</p> <p>a) Bachelor of Architectural Technology (Part 1)</p> <p>c) Bachelor of Science (Hons) in Architecture</p> <p>10. Politeknik Port Dickson</p> <p>a) Sarjana Muda Sains Perumahan, Bangunan dan Perancangan (Kepujian) (Senibina) Program Pesisir USM-KPM.</p> <p>11. Infrastructure University Kuala Lumpur (IUKL)</p> <p>a) Bachelor of Science (Architectural Studies)</p> <p>12. Universiti Tunku Abdul Rahman (UTAR)</p> <p>a) Bachelor of Science (Hons) in Architecture</p> <p>13. Universiti Teknologi MARA (UiTM Sri Iskandar, Perak)</p> <p>a) Bachelor of Science (Architecture)</p> <p>14. Lim Kok Wing University of Creative Technology (LUCT)</p> <p>a) Bachelor of Science (Architectural Science)</p> <p>15. City University</p> <p>a) B. Sc. (Hons) (Architectural Design)</p> <p>16. Kolej University Tunku Abdul Rahman (KUTAR)</p> <p>a) Bachelor of Science in Architecture.</p>

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					17. Kolej Universiti Teknologi Sarawak (KUTS) a) Bachelor of Science 18. Universiti Sains Islam Malaysia (USIM) a) Sarjana Muda Sains Senibina (Kepujian)
AVERAGE OF NUMBER STUDENTS INTAKE/ YEAR	Approx. 40/year	Approx. 561/year	8661	Faculty of Architecture NUOL Vientiane (5 years) <ul style="list-style-type: none"> • Intake 291 • Student body 1030 Suphanouvong University, Luangphabang City. Luangphabang Province <ul style="list-style-type: none"> • Intake 120 • Student Body 382 	as at 2013/2014 – approximate Fully Accredited programs: 549
	N/A				as at 2013/2014 – approximate Partial Accredited programs – Part 1: 21
AVERAGE NUMBER OF GRADUATES PER YEAR	First cohort of graduates will be in 2022	150	3341	Faculty of Architecture NUOL Vientiane Total of graduates : 223 in that 57 architects Faculty of Architecture Luang Phrabang (SU) Total of graduates : 77 in that 30 architects Total of graduates for 2 faculties: 87 architects	as at 2013/2014 – approximate Fully Accredited Programs: 466
					as at 2013/2014 – approximate Partial Accredited Programs Part 1: 21
COLLATERAL EDUCATIONAL ORGANISATIONS			APTARI (Asosiasi Pedidikan Tinggi Arsitektur Indonesia)- Indonesian Association School of Architect	Board of Architect and Engineer	COHAS (Council of Head of Architectural Schools) Malaysia

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BODY/BODIES THAT ESTABLISH THE EDUCATION STANDARDS	Board of Architects, Professional Engineers and Quantity Surveyors (BAPEQS) Ministry of Education	1. Ministry of Culture and Arts (for State School) 2. Ministry of Education Youth and Sports (for Private Schools)	Education Board of National Standards Ministry of Education and Culture Ministry of Research, Technology and Higher Education	Ministry of Education and Sports (Architecture Faculty) Ministry of Public Works and Transport Council of Architect and Civil Engineer Lao)	Board of Architect Malaysia/ Council of Accreditation & Architectural Education Malaysia (CAAEM)
DURATION OF STUDIES [recognized by PRA]	4 years bachelor's degree + 2 years masters (under planning stage)	5 years And 4+1 years Note: Cambodia to confirm	<ul style="list-style-type: none"> 5 years until 1980 < 5 years 1980-2009 4 years + 1 year Professional Education 2009-now 	5 years Five years 4 years + 1 year professional education	Varies from 5 to 6 years: <ul style="list-style-type: none"> 5 years for A Level equivalent 6 years for O Level equivalent
Total Credit Hours	120 credit values per academic year	150-170 credits, 15-16h /credit	<ul style="list-style-type: none"> Past 1: min144credit/sms Past 2: min36 credit/sms 	140-176 credits	120 credit hours for Part 1
			<ul style="list-style-type: none"> 		60 credit hours for Part 2
Lecturer to Student Ratio	1:8	1:20/1:25	<ul style="list-style-type: none"> Past 1: 1-20 Past 2: 1:10 		1:15 for design studio (core subject)
					Minimum 3 registered architects as full time academic staff in the Architectural Department
Subjects Groupings	<ul style="list-style-type: none"> Design Studio History & Theory of Architecture Architectural Drawing & Representation Melayu, Islam, Beraja Environment, Leadership, Technopreneurship and Social Innovation Sustainable Building Design Environmental System Cultural and Contextual Studies Supervised Work Experience Practice, Profession and Ethics 	<ul style="list-style-type: none"> Mathematic Theories, Khmer and world architectures Construction technology and materials Basic engineering, MEP & building structures Sustainable and green architecture Design studio Management, practice, laws and regulations Internship 	<ul style="list-style-type: none"> Humanistic, Social Science, Professional Practice and Ethic Mathematic & Basic Science Basic Architect Architectural Design Architect Disciplines Specialisation 	<ol style="list-style-type: none"> 1.Mathematis, Descriptive Geometry and basic science 2. Drawing, Design and architectural theory 3.History of Lao and world Art and Architecture 4. Process, technology and Materials of construction 5. Design studio 6. Practice, Management and laws (urban and construction) 7. Sustainable, green architecture and environment. 	<ol style="list-style-type: none"> 1. Design Studio 2. Technology and environment 3. History and cultural context 4. Communication 5. Management, Practice and Law
INTAKE REQUIREMENT	From A-level, minimum 240 points for 3 A-levels	Completed high school diploma (from recognized high		Completed high school diploma Entrance exam	Part 1: from O Level, min credit in 5 subjects or from A Level, min credit in 2

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	(part 1) IB Diploma minimum 30 points Relevant Level 5 Diploma or equivalent	school)			subjects
			•		Part 2: B.Sc in Architecture with Part 1 LAM and min 6 months practical training
MECHANISM TO MONITOR THE QUALITY ASSURANCE	UTB Quality Assurance Unit	<ul style="list-style-type: none"> Schools of architectures are under management of the Ministry of Education Youth and Sports and the Ministry of Culture and Fine Arts, BAC, Board of Architects Cambodia oversees the study program of each school and human resources. 	<ul style="list-style-type: none"> BAN PT – For Insitutional (National Accreditation Board for Higher Educations) Independent Accreditation Board (Lembaga Akreditasi Mandiri) 	Ministry of Education and sports	CAAEM & MQA
LINK TO OTHER INTERNATIONAL ACCREDITATION SYSTEM	None	None		Under ASEAN University Network (AUN) exchange program	RIBA (For UiTM and University of Malaya only)