



لمبأك اركيتيك جوروترا قروفيسيونل دان جورواوكور باهن نأارا بروني دارالسلام  
*Brunei Darussalam Board of Architects Professional Engineers and Quantity Surveyors*

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## **GUIDELINE NO. 5**

**ARCHITECTS, PROFESSIONAL ENGINEERS AND QUANTITY SURVEYORS, ORDER 2011  
AND  
ARCHITECTS, PROFESSIONAL ENGINEERS AND QUANTITY SURVEYORS, RULES 2016**

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# PART II – SECTION 6 (b)

## QUALIFICATION AND EXAMINATION GUIDELINES

**QUALIFICATION AND EXAMINATION COMMITTEE  
12<sup>th</sup> June 2018**

## 1.0 INTRODUCTION

The Board of Architects, Professional Engineers and Quantity Surveyors (BAPEQS) is a statutory body constituted under the Registration of Architects, Professional Engineers and Quantity Surveyors (APEQS) Order 2011. It was formed on 13<sup>th</sup> September 2012.

BAPEQS is within the domain of responsibility of the Minister of Development. Vested with wide powers, the Minister may suspend the operation of the Registration of APEQS Order 2011 in any part of Brunei Darussalam by notification in the gazette. The appointment of the Board Members and the Registrar are made by the approval of His Majesty the Sultan and Yang Dipertuan Negara Brunei Darussalam.

Its primary role is to facilitate the registration of engineers and regulate the professional conduct and practice of registered architects, engineers and quantity surveyors in order to safeguard the safety and interest of the public. Furthermore, under the Constitution of Brunei Darussalam (Order made under Article 83(3)), Architects, Professional Engineers and Quantity Surveyor (APEQS) Order, 2011, *PART II, Board of APEQS, Function of Board, 6*. The functions of the Board shall be: "... (b) to hold or arrange for the holding of such examinations as the Board considers necessary for the purpose of enabling persons to qualify for registration under this Order;... (Page 388)" and *PART IV, Registration of APEQS, Qualifications for registration, 17. (1) (c) any person who satisfies the Board that he is otherwise qualified by having proper and recognized training in architecture or who has academic qualifications in professional engineering or quantity surveying and who passes such examinations as may be required by the Board... (Page 399).*

In this document, presented the guidelines of qualification and examination for membership of Architects, Professional Engineers and Quantity Surveyors. This document has been accepted by the Board of APEQS on the 16<sup>th</sup> January 2017.

## 2.0 PROFESSIONAL QUALIFICATION RECOGNISED BY BAPEQS

### 2.1 Recognised Professional Qualifications

#### 2.1.1 Criteria for Accreditation of professional qualifications by the BAPEQS

(a) Professional qualifications which are deemed to be **accepted** by the professional bodies (Architect, Engineering and Quantity Surveyors) for the purpose of registration and licensing are normally recognized or accredited by the Brunei Darussalam National Accreditation Council (BDNAC). However, the Council reserves the right to change its accreditation policy and criteria from time to time in accordance with the needs of the country and domestic regulatory requirements based on BDNAC's accreditation criteria.

(b) The BDNAC's criteria for accreditation of professional bodies are based on:

- *National, Regional and International Recognition/Accreditation*
- *Legal or Statutory Status of the professional body (e.g. it should have Act or Order)*
- *Roles and Responsibilities of the professional bodies (e.g. for the purpose of registration & licensing)*

## **2.1.2 Professional Institutions & Regulating Authorities recognised by the Board of Architects, Professional Engineers and Quantity Surveyors (BAPEQS)**

### **(a) Architectures**

- Pertubuhan Ukur, Jurutera dan Arkitek (Brunei) PUJA (B)
- The Royal Institution of British Architects (RIBA) UK
- The Australian Institute of Architects, Australia
- National Council of Architectural Registration Boards (NCARB), USA
- Architects Education Registration Board (AERB), New Zealand
- Board of Architects Malaysia, Malaysia
- Others\*

### **(b) Engineering**

- Pertubuhan Ukur, Jurutera dan Arkitek (Brunei) PUJA (B)
- The Institution of Civil Engineers (ICE), UK
- The Institution of Electrical Engineers (IEE), UK
- The Institution of Mechanical Engineers (IMechE), UK
- The Institute of Engineers Australia (IEAust), Australia
- The Institute of Professional Engineers New Zealand (IPENZ), New Zealand
- Canadian Engineering Accreditation Registration Board (CEARB), Canada
- The Accreditation Board for Engineering and Technology (ABET), USA
- Malaysian Engineers Board, Malaysia
- Others\*

### **(c) Quantity Surveyors**

- Pertubuhan Ukur, Jurutera dan Arkitek (Brunei) PUJA (B)
- The Royal Institution of Chartered Surveyors (RICS), UK
- The Australian Institute of Quantity Surveyors (AIQS), Australia
- New Zealand Institute of Quantity Surveyors (NZIQS), New Zealand
- Lembaga Juruukur Bahan Malaysia (LJBM), Malaysia
- The Royal Institution of Surveyors Malaysia (RISM)
- Others\*

\*BAPEQS will be authorized to add on the list or may consider other professional bodies on case by case.

Notes: As of 17 January 2017 BAPEQS may require candidate to sit for the Professional Competence Examination before they qualify for Registration with BAPEQS.

## **2.2 Recognised Universities and Institution of Higher Education and Programmes**

**(REFER TO APPENDIX A)\*\***

\*\*BAPEQS will be authorized to add on the list or may consider other universities and institution of higher education and programmes on case by case.

## 3.0 PROFESSIONAL COMPETENCE EXAMINATIONS OR ASSESSMENTS

### 3.1 Introduction

Purpose of the examinations or assessments conducted by Board of Architects, Professional Engineers and Quantity Surveyors (BAPEQS) for Architects, Engineers and Quantity Surveyors (APEQS) is to maintain high standards for registering the Professional APEQS in Brunei Darussalam by advancement and regulation of the practice.

BAPEQS registers the following:

- (a) Architects as Registered Architects (Ar)
- (b) Professional engineers as Registered Engineers (Ir/Er) in the disciplines of civil, electrical, mechanical engineering and other branches of engineering.
- (c) Quantity Surveyor as Registered Quantity Surveyors (Sr)

In order to register a person should acquire the qualifications requirement of BAPEQS. Professional Competence Examination or Assessment is a pathway to acquire the registration as Ar, Ir/Er and Sr.

### 3.2 ARCHITECTS

#### 3.2.1 Eligibility to Sit for Professional Competence Examination (PCE)

A candidate applying for Professional Competence Examination (PCE) in Architecture should possess the following qualifications:

- (a) A five-year academic qualification in Architecture from University or Institute of Higher Education recognised by Professional Institutions and accepted by BAPEQS

and

- (b) Minimum two (02) years approved experience gained after item (a) which include one (01) year practical experience in Brunei Darussalam.

or

- (c) For candidates who has obtained their professional qualification abroad will be required to show evidence of one year of professional engagement fully residence in Brunei Darussalam.

#### 3.2.2 Structure of PCE

The aim of this PCE is to establish the required level of practical experience, skill, Competence and maturity which an applicant ought to have attained to fulfil his professional duties, responsibilities and obligations while practising his profession as a registered practicing Architect in Brunei Darussalam.

The PCE involves: -

**Stage 1** - Submission of application and relevant documentation including:

- i) Log Book
- ii) Personal Evaluation of Professional Experience
- iii) Case Study

**Stage 2** - Written examination

### **Stage 3 - An oral examination**

The written examination will test the applicant on the following syllabus:

- i) National Philosophy, Professional Legislation and Professional Bodies.
- ii) Architect's Role in Society
- iii) Architect's Practice
- iv) Building Legislations and Regulations
- v) Building Contract Administration

## **3.3 PROFESSIONAL ENGINEERS**

### **3.3.1 Eligibility to Sit for Professional Competence Examination (PCE)**

A candidate applying for PCE should possess the following qualifications:

- (a) A four year accredited MEng or BEng (Hons) degree or a three year accredited BEng (Hons) degree with an appropriate Masters qualification or any other equivalent qualifications accepted by BAPEQS.

and

- (b) Minimum two (02) years approved experience gained after item (a) which include one (01) year practical experience in Brunei Darussalam.

or

- (c) For candidates who has obtained their professional qualification abroad will be required to show evidence of one year of professional engagement fully residence in Brunei Darussalam.

### **3.3.2 Structure of PCE**

The PCE tests the candidate's Competence in applying his engineering knowledge and experience in professional engineering practice, and his knowledge of the guidelines regulating the practice. The documentation required for submission will be logbook and personal evaluation of professional experience and selected project/technical case studies.

Structure of the examination is as follows:

- (a) A common examination on rules, regulations and ethics (Two hours allocated time to answer 10 compulsory multiple choice questions and 3 out of 5 essay questions)
- (b) Discipline (civil/electrical/mechanical/other branches of engineering) based examination (Four hours allocated time to answer 1 compulsory question and 4 out of 7 questions)
- (c) Interview on the experience report, project and logbook (Two hours allocated time)

### **3.4 QUANTITY SURVEYOR**

#### **3.4.1 Eligibility to Sit for Professional Competence Examination (PCE)**

A candidate applying for PCE should possess the following qualifications:

- (a) A three year accredited BSc (Hons)/BQS (Hons) degree or any other equivalent qualifications accepted by the BAPEQS.

and

- (b) Minimum two (02) years approved experience gained after item (a) which include one (01) year practical experience in Brunei Darussalam

or

- (c) For candidates who has obtained their professional qualification abroad will be required to show evidence of one year of professional engagement fully residence in Brunei Darussalam.

#### **3.4.2 Structure of PCE**

The PCE ensures that those applying for BAPEQS Membership are competent to practise and meet the high standards of professionalism required by BAPEQS.

The PCE normally consists of:

- a) a period of structured training
- b) a final assessment

The period of experience is based on candidates achieving a set of requirements or competencies. These are a mix of technical and professional practice, interpersonal, business and management skills.

The structure of the PCE is as follows:

- a) A period of structured training to meet Competence requirements for candidates with less than 10 years of relevant experience;
- b) A requirement for continuing professional education (CPE);
- c) Written submission on qualification and employment information
- d) Written submission on summary of experience
- e) Written submission of critical analysis of a project or projects with which candidate has been involved during training;
- f) Final assessment interview

### **3.5 Fees**

The fee for an application to sit for the Professional Competence Examination is \$400.00 to be paid with the application.

### 3.6 Date of Examination

The dates for the Practice of Professional Bodies Examination or Assessment are:

- (a) Architects - (July/August)
- (b) Civil Engineering - (July/August)
- (c) Electrical Engineering - (TBC)
- (d) Mechanical Engineering - (TBC)
- (e) Quantity Surveyors - (July/August)

### 3.7 Venue of Examination

The venue will be announced by BAPEQS and successful candidates would be informed.

### 3.8 Application

Application and payment shall be made BAPEQS secretariat at 1<sup>st</sup> Floor, Ministry of Development Training Centre (MODTC), Old Airport Road, BB3510, Brunei Darussalam.

All required documents are to be submitted to BAPEQS secretariat within three week after the announcement of successful candidates is made.

### 3.9 Passing Requirements, Final Results and Notification

- (a) A candidate is required to take all components of examinations or assessment specified under section 3.2.2, 3.3.2 and 3.4.2 above unless he qualifies for an exemption as described in (b) below. Examination or assessment results will be given to candidates on a Pass/Fail basis and no scores or marks will be given to candidates. To obtain a 'Pass' in the examination or assessment, a candidate is required to obtain a pass score in all components of examination or assessment.
- (b) A candidate who has taken all components of examination or assessment when he sits for the professional competence examination and obtains a pass score in only one or two components is deemed to have failed the examination or assessment. However, if the candidate sits for the examination or assessment again within three years of the date of result, candidate would be granted an exemption from the components for which candidate has obtained a pass score. No exemption shall be granted if candidate sits for the examination or assessment again after the exemption period, in which case candidate is required to take all components.

### 3.10 Examination or Assessment Appeals

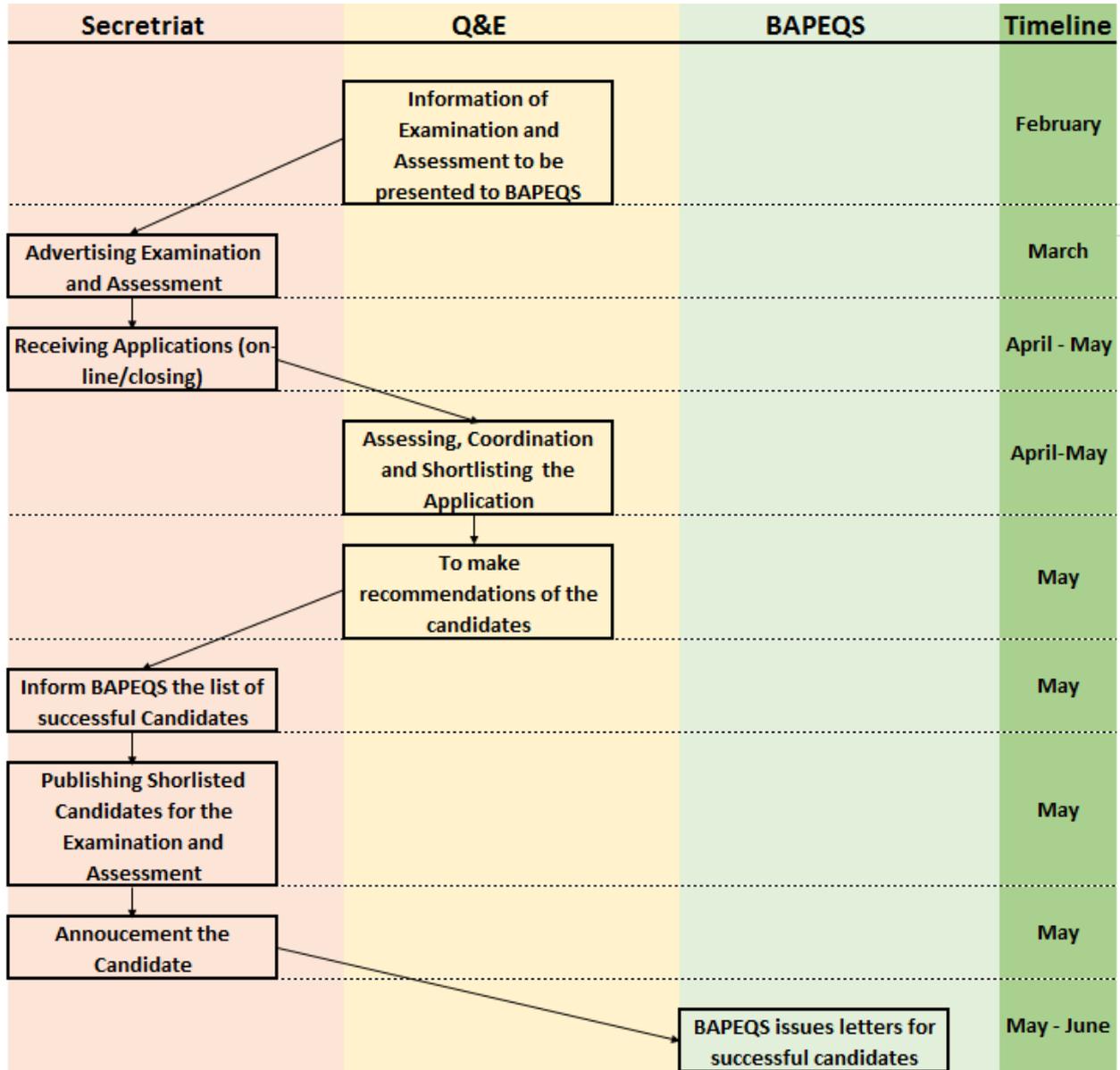
A candidate who has failed the examination assessment may submit a written appeal to review his/her performance together with a payment of \$25. The appeal is to be made within 2 weeks after the receipt of results and late appeals would not be considered. The appeal candidate would not be able to review his examination paper or assessment results.

### 3.11 Refund of Fees

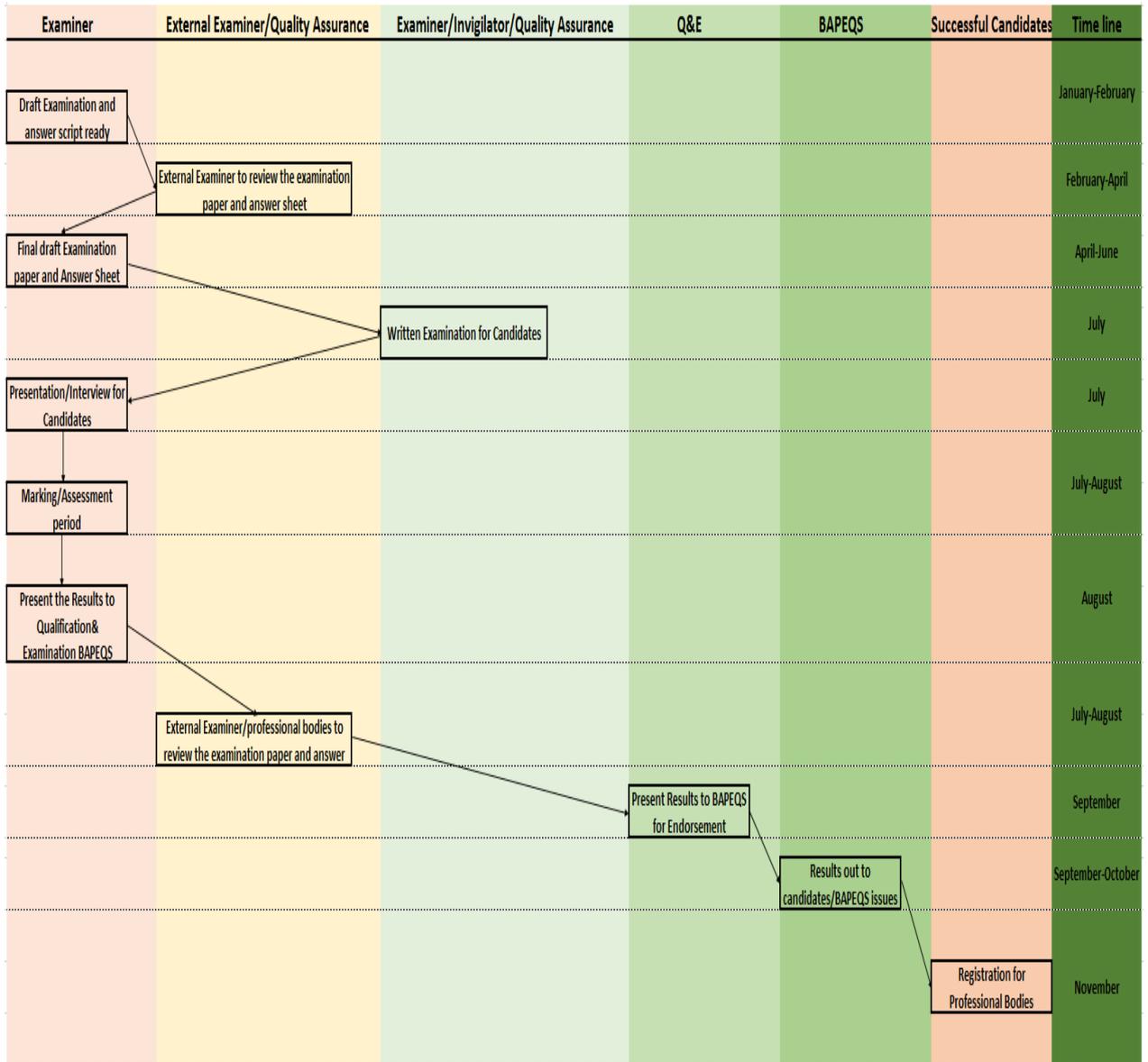
Where a candidate who has been accepted is unable to sit for the examination or assessment, the Board may, at its discretion, refund \$150.00 to the candidate if the candidate inform the Board at least a week before the examination/assessment or submit a medical certificate by email within 2 weeks after the examination or assessment. There will be no refund if the candidate informs the Board less than a week before the examination/assessment or send scanned copy of the medical certificate via email. (email address: [apeqs.sec@mod.gov.bn](mailto:apeqs.sec@mod.gov.bn))

## 4.0 STANDARD OPERATING PROCEDURE

### 4.1 Advertising and Admission Process Flow for Architects, Professional Engineers and Quantity Surveyors Professional Competence Examination



## 4.2 General Process Flow for Architects, Professional Engineers and Quantity Surveyors Professional Competence Examination



## **5.0 APPENDIX A**

### **5.1 Recognised Universities and Institution of Higher Education and Programmes**

- End of Document -

**SENI BINA**

INSTITUSI		KELULUSAN
Australia		
1.	University of Melbourne	B Arch, M Arch (Coursework) B. Planning & Design (Arch)
2.	University of Sydney	B Arch, M Arch B. Design (Arch)
3.	University of Queensland	B Arch, (M Arch Studies, General Practice Stream - 1997), M Arch
4.	University of New South Wales	B Arch, M Arch
5.	University of Western Australia	B Arch M Arch B. Environmental Design Bachelor of Design Studies
6.	University of Adelaide	B Arch, M Arch B. Design Studies
Malaysia		
1.	Universiti Islam Antarabangsa Malaysia	B. Arch
2.	Universiti Malaya	B. Sc. (Arch) B. Arch
3.	Universiti Sains Malaysia	Bachelor of Housing Building and Planning B. Arch
4.	Universiti Teknologi Malaysia	Dip. Arch B. Arch (Hons)
5.	Universiti Teknologi MARA	Dip. Arch B. Arch (Hons)
6.	Universiti Putra Malaysia (UPM)	Bachelor of Design (Architecture)
Singapore		
1.	National University of Singapore	Bachelor of Arts (Architecture) M Arch

INSTITUSI	KELULUSAN
<p>New Zealand</p> <p>1. University of Auckland</p>	<p>B. Arch</p> <p>B. Arch Studies</p>
<p>United Kingdom</p> <p>1. University of Bath</p> <p>2. University of Cambridge</p> <p>3. The University of Edinburgh</p> <p>4. University of Newcastle Upon Tyne</p> <p>5. University of Nottingham</p> <p>6. University College London, University of London</p>	<p>B. Sc. (Hons) in General Arch. Studies</p> <p>BSc (Hons) in General Architectural Studies</p> <p>M. Arch (Hons)</p> <p>BA (Hons) in Architecture</p> <p>Diploma in Architecture</p> <p>MA (Hons) in Architectural Design</p> <p>B. Arch</p> <p>BA (Hons) in Architectural Studies</p> <p>BArch (Hons)</p> <p>BArch (Hons) in Architecture</p> <p>MEng Architecture and Environmental Design</p> <p>Diploma in Architecture</p> <p>B. Sc (Hons) in Architecture</p> <p>Dip. Arch</p>
<p>United States of America</p> <p>1. Harvard University</p> <p>2. Princeton University</p> <p>3. Yale University</p> <p>4. University of Pennsylvania</p> <p>5. Massachusetts Institute of Technology</p> <p>6. Columbia Universit</p> <p>7. Washington University in St. Louis</p> <p>8. Cornell University, New York</p> <p>9. Rice University, Texas</p> <p>10. University of Notre Dame, Indiana</p>	<p>MArch</p> <p>MArch</p> <p>MArch</p> <p>MArch</p> <p>MArch</p> <p>MArch</p> <p>MArch</p> <p>BArch; MArch</p> <p>BArch; MArch</p> <p>BArch; MArch</p>

**KEJURUTERAAN**

INSTITUSI		KELULUSAN
Australia		
1	Australian National University	Bachelor of Engineering (Systems)
2	University of Melbourne	BEng Electrical/Electronic Engineering
		Bachelor of Engineering (Natural Resources, Chemical, Civil, Electrical/Electronic, Industrial, Mechanical, Mechanical & Manufacturing)
3	University of Sydney	BEng Electrical
		Bachelor of Engineering (Aeronautical, Chemical, Civil, Electrical, Mechanical, Mechanical [industrial automation], Mining)
4	University of Queensland	BEng Electrical Engineering
		Bachelor of Engineering (Chemical, Civil, Electrical, Environmental, Mechanical, Mining, Manufacturing & Materials, & Mineral Process)
5	University of New South Wales	BEng Electrical Engineering
		Bachelor of Engineering (Aerospace, Civil, Ceramic, Chemical, Computer, Electrical, Environmental, Manufacturing, Materials, Mechanical, Metallurgical, Mining, Naval, Petroleum, Textile, Textile Technology)
6	Monash University	BEng Electrical & Computer Systems Engineering
		Bachelor of Engineering (Chemical, Civil, Electrical & Computer Systems, Materials, & Mechanical)
7	Monash University (Caulfield Campus)	Bachelor of Engineering [Applied] (Civil & Computing, Electrical & Computing, Industrial & Computing, Mechanical & Computing)
		BEng (Applied) Electrical & Computing Engineering
8	Monash University College, Gippsland	Bachelor of Engineering (Civil, Electro-mechanical, Electrical, Mechanical)
		BEng Electrical Engineering
		BEng Electrical/Electronic Engineering
9	University of Western Australia	Bachelor of Engineering (Civil, Electrical, Electronic, Environmental, Information Technology, Mechanical)
		Bachelor of Engineering (Electrical and Electronic Engineering)
10	University of Adelaide	Bachelor of Engineering (Chemical, Civil, Computer Systems, Electrical/Electronics, Mechanical)
Malaysia		
1	Universiti Islam Antarabangsa Malaysia	Bachelor of Engineering (Manufacturing)
		Bachelor of Engineering (Materials)

INSTITUSI	KELULUSAN
2      Universiti Malaya	Bachelor of Engineering (Mechanical-Automotive) Bachelor of Engineering (Mechatronics) Bachelor of Engineering (Manufacturing) BEng (Hons) in Civil BEng (Hons) in Electrical BEng (Hons) in Manufacturing BEng (Hons) in Materials
3      Universiti Malaysia Sabah	BEng (Hons) in Civil BEng (Hons) in Electrical & Electronic BEng (Hons) in Mechanical BEng (Hons) in Civil
4      Universiti Malaysia Sarawak	BEng (Hons) in Mechanical & Manufacturing System BEng (Hons) in Civil BEng (Hons) in Electronic & Telecommunication BEng (Hons) in Electronic & Computer BEng (Hons) in Electronic & Telecommunication BEng (Hons) in Mechanical & Manufacturing System
5      Universiti Kebangsaan Malaysia	BEng (Hons) in Civil & Structural BEng (Hons) in Civil & Environmental BEng (Hons) in Electrical & Electronics BEng (Hons) in Electrical, Electronic & System
6      Universiti Sains Malaysia	BEng (Hons) in Civil BEng (Hons) in Electrical Power BEng (Hons) in Electrical BEng (Hons) in Electrical & Electronic BEng (Hons) in Electronic BEng (Hons) in Manufacturing with Management BEng (Hons) in Material BEng (Hons) in Mechanical BEng (Hons) in Manufacturing with Management

INSTITUSI	KELULUSAN
<p>7      Universiti Teknologi Malaysia</p>	<p>BEng (Hons) in Mechatronic</p> <p>Bachelor of Engineering (Mechanical) (Hons)</p> <p>Bachelor of Engineering (Mechanical-Marine Technology) (Hons)</p> <p>Bachelor of Engineering (Mechanical-Aeronautical) (Hons)</p> <p>Bachelor of Engineering (Mechanical-Manufacturing) (Hons)</p> <p>Bachelor of Engineering (Mechanical-Industrial) (Hons)</p> <p>Bachelor of Engineering (Mechanical-Material) (Hons)</p> <p>Bachelor of Engineering (Mechanical) (Hons)</p> <p>Bachelor of Engineering (Mechanical-Material) (Hons)</p> <p>Bachelor of Engineering (Mechanical-Manufacturing) (Hons)</p> <p>Bachelor of Engineering (Mechanical-Automotive) (Hons)</p> <p>Bachelor of Engineering (Mechanical-Aeronautical) (Hons)</p> <p>Bachelor of Engineering (Mechanical-Marine Technology) (Hons)</p> <p>Bachelor of Engineering (Mechanical) (Hons) (SPACE)</p> <p>Bachelor of Engineering (Electrical) (Hons)</p> <p>BEng (Hons) Mechanical</p> <p>Bachelor of Engineering (Mechanical-Materials) (Hons)</p> <p>Bachelor of Engineering (Mechanical-Industrial) (Hons)</p> <p>Bachelor of Engineering (Mechanical-Manufacturing) (Hons)</p> <p>Bachelor of Engineering (Mechanical-Aeronautics) (Hons)</p> <p>Bachelor of Engineering (Mechanical-Automotive) (Hons)</p> <p>Bachelor of Engineering (Mechanical-Marine Technology) (Hons)</p> <p>Bachelor of Engineering (Civil) (Hons)</p> <p>Bachelor of Engineering (Civil-Environmental) (Hons)</p> <p>Bachelor of Engineering (Civil-Construction Management) (Hons)</p> <p>Bachelor of Engineering (Civil) (Hons) (SPACE)</p> <p>Bachelor of Engineering (Electrical-Power) (Hons)</p>

INSTITUSI	KELULUSAN
<p>8      Universiti Teknologi MARA</p> <p>Singapore</p>	<p>Bachelor of Engineering (Electrical-Instrumentation &amp; Control) (Hons)</p> <p>Bachelor of Engineering (Electrical-Communication) (Hons)</p> <p>Bachelor of Engineering (Electrical-Electronic) (Hons)</p> <p>Bachelor of Engineering (Electrical-Mechatronic) (Hons)</p> <p>Bachelor of Engineering (Electrical-Microelectronics) (Hons)</p> <p>Bachelor of Engineering (Electrical-Medical Electronics) (Hons)</p> <p>Bachelor of Engineering (Electrical-Robotic) (Hons)</p> <p>BEng (Hons) in Electronic</p> <p>BEng (Hons) in Electronic (Instrumentation)</p> <p>BEng (Hons) in Electronic (Communication)</p> <p>BEng (Hons) in Mechanical</p> <p>BEng (Hons) in Electrical</p>
<p>1      Nanyang Technological University</p>	<p>BEng (Hons) Engineering (Electrical)</p> <p>Bachelor of Engineering (Materials Engineering)</p> <p>Bachelor of Engineering (Mechanical Engineering)</p> <p>Bachelor of Engineering (Electrical and Electronic Engineering)</p> <p>Bachelor of Engineering (Civil Engineering)</p>
<p>2      National University of Singapore</p> <p>New Zealand</p>	<p>BEng (Hons) Engineering (Electrical)</p> <p>BEng (Hons) Engineering (Mechanical)</p> <p>Bachelor of Engineering (Civil Engineering)</p> <p>Bachelor of Engineering (Electrical Engineering)</p> <p>Bachelor of Engineering (Mechanical Engineering)</p> <p>Bachelor of Technology (Electronics)</p> <p>Bachelor of Technology (Mechanical Engineering)</p> <p>Bachelor of Technology (Manufacturing)</p>
	<p>*The degree title for all four year programmes is Bachelor of Engineering (abbreviated as BE) or Bachelor of Engineering Honours (abbreviated as BE (Hons)) unless otherwise shown. The Bachelor of Engineering may also be awarded with honours</p>

INSTITUSI	KELULUSAN
<p>1 University of Auckland</p>	<p>** The three year degree title for the qualifications listed below is Bachelor Engineering Technology (BEngTech) unless otherwise shown.</p> <ul style="list-style-type: none"> <li>* Biomedical</li> <li>* Civil</li> <li>* Electrical and Electronic</li> <li>* Engineering Science</li> <li>* Mechanical</li> <li>* Mechatronics</li> <li>* Metallurgical and Materials</li> <li>* Mining</li> <li>* Resource Engineering</li> </ul>
<p>2 University of Canterbury</p>	<ul style="list-style-type: none"> <li>*Civil</li> <li>*Electrical</li> <li>*Mechanical</li> <li>*Mechatronics</li> </ul>
<p>3 Massey University</p>	<ul style="list-style-type: none"> <li>* Engineering and Automation</li> <li>* Engineering and Industrial Management</li> <li>* Industrial Engineering</li> <li>* Industrial Technology</li> </ul>
<p>UNITED KINGDOM</p>	
<p>1 University of Bath</p>	<p>MEng Civil &amp; Architectural Engineering</p> <p>BEng / MEng Civil Engineering</p> <p>BEng (Hons)/MEng Electrical &amp; Electronic Engineering</p> <p>BEng (Hons) Electronic &amp; Communication Engineering</p> <p>BEng (Hons) Electrical &amp; applied Electronics</p> <p>MEng (Hons) Manufacturing Systems Engineering &amp; Management</p> <p>BSC (Hons) Mechanical Engineering</p> <p>BSc Building Engineering (Civil/Structural Stream)</p> <p>BEng (Hons) Engineering with French/German</p>

INSTITUSI		KELULUSAN
2	University of Bristol	BEng / MEng Civil Engineering MEng Civil Engineering with Study in Europe BEng (Hons) Electronic Engineering BEng (Hons) Electronic & Communication Engineering MEng (Hons) Mechanical Engineering with Manufacturing Systems BEng (Hons)/MEng Mechanical Engineering
3	University of Cambridge	BA (Hons)/MEng Engineering Tripos BA (Hons)/MEng Electrical & Information Science Tripos BA (Hons)/MEng Manufacturing Engineering Tripos BSc Electrical Engineering B Eng/BSc (Hons) Electrical Electronic Engineering BA Engineering BA (Hons) Engineering
4	Durham University	BEng/MEng Civil Engineering MEng Mechanical Engineering MEng Electrical Engineering MEng Manufacturing Engineering BSc / BSc (Hons) Engineering and Management BSc / BSc (Hons) Engineering
5	The University of Edinburgh	BEng /MEng Civil and Environmental Engineering BEng / MEng Civil Engineering BEng / MEng Civil Engineering with Construction Management BEng /MEng Structural Engineering with Architecture
6	University of Exeter	BEng Civil Engineering MEng Civil Engineering MEng (Hons) Engineering (Electronics) MEng Engineering (Management) BEng (Hons) Mechanical Engineering
7	Imperial College London, University of London	MEng Civil Engineering

INSTITUSI		KELULUSAN
8	Kings College, University of London	MEng Civil Engineering with a Year Abroad
		BEng Civil Engineering
		BSc/BEng (Hons) Mechanical Engineering
		BSc/BEng (Hons) Total Technology
		MEng Mechanical Engineering
		BEng (Hons) Engineering with Materials
		BSc Electrical/Electronic Engineering
		BEng (Hons)/ MEng Mechanical Engineering
9	University of Lancaster	BEng (Hons)/MEng Electronic Engineering
		BEng (Hons)/MEng Electronic Communications Engineering
		BEng (Hons)/MEng Mechatronic Engineering
		BEng (Hons) Electronic Engineering with Management
		BSc (Hons) Engineering (Mechanical Option)
		BSc (Hons)/MEng (Mechatronics Mechanical Option)
10	University of Leicester	BEng (Hons)/MEng (Hons) Electrical & Electronic Engineering
		BEng (Hons)/MEng (Hons) Electronic & Software Engineering
		BEng (Hons)/MEng Engineering General
		BEng (Hons) Mechanical Engineering
		BEng (Hons) Mechanical Engineering with Computing
11	University of Loughborough	BEng (Hons)/MEng (Hons) ElectroMechanical Power Engineering
		MEng Electronic Manufacture & Management
		BEng (Hons) ElectroMechanical Power Engineering
		BEng (Hons)/MEng Manufacturing Engineering & Management
		BEng (Hons)/MEng Product Design & Manufacture
		BEng (Hons) Engineering Science & Technology
		BEng (Hons)/MEng Electronic & Electrical Engineering
		BSc (Hons) Electronic, Computer & Systems Engineering
		BEng Civil Engineering
		MEng Civil & Building Engineering

INSTITUSI		KELULUSAN
12	University of Newcastle	MEng Civil & Building Engineering
		BEng Civil Engineering & German
		BEng / MEng Civil Engineering
		BEng /MEng Civil & Environmental Engineering
		BEng/BEng (Hons) Mechanical Engineering
		MEng Mechanical & Production Engineering
		MEng Mechanical & Production Engineering
13	University of Nottingham	BEng (Hons)/ BSc (Hons)/ MEng Electrical & Electronic Engineering
		BEng (Hons)/MEng Electronic Engineering
		BEng Joint (Hons) Electronic Engineering & Mathematics
		BEng (Hons)/MEng Manufacturing Engineering & Management
		BSc Electrical Engineering
		B Eng/B Eng (Hons) /MEng Mechanical Engineering
		B Eng/B Eng (Hons)/BSc Civil Engineering
		B Eng (Hons) Chemical Engineering
		BEng/ MEng Civil Engineering
		BEng (Hons)/MEng (Hons) Electrical Engineering
14	University of Southampton	BEng (Hons)/MEng ElectroMechanical Engineering
		BSc/B Eng /BEng (Hons) Electronic Engineering
		BEng/MEng Computer Engineering
		B Eng/BSc (Hons) Electrical Engineering
		B Eng/BSc (Hons) Electrical Electronic Engineering
		BSc Civil Engineering
		BEng Civil Engineering
		BEng Environmental Engineering
		BEng (Hons)/MEng Mechanical Engineering
		15
MEng (Hons) Electronic Engineering with Computer Science		
MEng (Hons) Electronic Engineering with Optoelectronics		

INSTITUSI		KELULUSAN
16	University of Warwick	BEng (Hons) Electronic Engineering with Medical Electronics
		MEng (Hons) Electronic Engineering with Management Studies
		BSc (Hons) Computer Science with Electronic Engineering
		BSc Electronic Engineering
		BSc (Hons)/ BEng Civil Engineering
		BEng Structural Engineering
		BEng (Hons) / MEng Mechanical Engineering
		BEng (Hons)/MEng (Hons) Electrical Engineering
		BEng (Hons)/MEng (Hons) Manufacturing Systems Engineering
		BEng (Hons)/MEng (Hons) Electronic Engineering
		B Eng/B Eng (Hons)/ BSc/MEng Mechanical Engineering
		BEng Civil Engineering
		BEng (Hons) /MEng Engineering Manufacturing Systems
17	University of York	BEng (Hons)/MEng (Hons) Electronic Engineering
		BEng (Hons)/MEng (Hons) Electronic & Communication Engineering
		BEng (Hons)/MEng (Hons) Electronic & Computer Engineering
		BEng (Hons)/MEng (Hons) Electronic & Engineering with Music Technology Systems
		BEng (Hons)/MEng (Hons) Electronic & Engineering with Business Management
		BEng (Hons)/MEng (Hons) Electronic & Engineering with Business Management
UNITED STATES OF AMERICA		
1	Harvard University	Bachelor Degree in Engineering (Engineering Sciences)
2	Princeton University	Bachelor Degree in Engineering (Aerospace, Chemical, Civil, Electrical, Engineering Physics, Geological, & Mechanical )
3	Yale University	Bachelor Degree in Engineering (Chemical, Electrical, Mechanical)

INSTITUSI		KELULUSAN
4	University of Pennsylvania	Bachelor Degree in Engineering (Bioengineering, Chemical, Civil, Electrical, Materials Science & Engineering, Mechanical & Applied Mechanics, & Systems Science & Engineering)
5	Duke University	Bachelor Degree in Engineering (Biomedical, Civil, Electrical, & Mechanical)
6	Stanford University	Bachelor Degree in Engineering (Chemical, Civil, Electrical, Industrial, Mechanical, Petroleum) Master (Aeronautical & Astronautical)
7	California Institute of Technology	Bachelor Degree in Engineering (Chemical & Engineering & Applied Science)
8	Massachusetts Institute of Technology	Bachelor Degree in Engineering (Aeronautic & Astronautics, Chemical, Civil, Computer Science, Electrical Science & Engineering, Materials Science & Engineering, Mechanical, Naval Architecture & Marine, Nuclear, & Ocean)
9	Columbia University	Bachelor Degree in Engineering (Chemical, Civil, Electrical, Engineering Mechanics, Industrial, Mechanical, Metallurgical & Mining)
10	Dartmouth College , New Hampshire	Bachelor Degree in Engineering (Engineering)
11	Washington University in St. Louis	Bachelor Degree in Engineering (Chemical, Civil, Computer Science & Engineering, Engineering & Public Policy, Mechanical, Systems Science & Engineering)
12	Northwestern University	Bachelor Degree in Engineering (Biomedical, Chemical, Civil, Electrical, Environmental, Industrial, Materials Science & Engineering, & Mechanical)
13	Cornell University, New York	Bachelor Degree in Engineering (Agricultural, Chemical, Civil, Electrical, Engineering Physics, Material Science & Engineering, & Operational Research & Engineering)
14	Johns Hopkins University, Maryland	Bachelor Degree in Engineering (Biomedical, Chemical, Civil, Electrical, Engineering Mechanics, Material Sciences & Engineering, & Mechanical)
15	Brown University, Rhode Island	Bachelor Degree in Engineering (Biomedical, Chemical, Civil, Electyrical, Materials & Mechanical)
16	Rice University, Texas	Bachelor Degree in Engineering (Chemical, Civil, Electrical, Materials Science & Engineering, & Mechanical)
17	University of Notre Dame, Indiana	Bachelor Degree in Engineering (Aerospace, Chemical, Civil, Electrical, Mechanical, & Metallurgical)
18	Vanderbelt University, Tennessee	Bachelor Degree in Engineering (Chemical, Civil & Environmental, Electrical, & Mechanical)



**QUANTITY SURVEYING**

INSTITUSI		KELULUSAN
Australia		
1	Queensland University of Technology	Bachelor of Applied Science Quantity Surveying
2	University of South Australia	Bachelor of Building with Honours (QS/BS Option)
3	University of Technology Sydney	Bachelor of Building in Construction Economics (QS)
HongKong		
1	University of Hongkong	Bachelor of Science (Hons) Surveying
2	Hongkong Polytechnic University	Bachelor of Science (Hons) Building Surveying Bachelor of Science (Hons) Surveying and GeoInformatics
3	City University of Hongkong	Bachelor of Science (Hons) Quantity Surveying
Ireland		
1	Dundalk Institute of Technology	Bachelor of Science Building Surveying
Malaysia		
1	University of Greenwich/Sunway College	Bachelor of Science (Hons) Quantity Surveying
New Zealand		
1	UNITEC Institute of Technology	Bachelor of Quantity Surveying with honours
South Africa		
1	University of Cape Town	Bachelor of Science Quantity Surveying and Construction Management
2	University of Natal	Bachelor of Science Quantity Surveying
3	University of the Orange Free State	Bachelor of Science Quantity Surveying
4	University of Port Elizabeth	Bachelor of Science Quantity Surveying
5	University of Pretoria	Bachelor of Science (Hons) Quantity Surveying
6	University of Witwatersrand	Bachelor of Science Quantity Surveying
Sri Lanka		
1	University of Moratuwa	Bachelor of Science Quantity Surveying
United Kingdom		
1	University of Aberdeen	Bachelor of Land Economy (BLE) Urban Surveying (Ord/Hons) Bachelor of Land Economy (BLE) Rural Surveying (Ord/Hons)

INSTITUSI	KELULUSAN
	Bachelor of Land Economy (BLE) Rural Surveying and Planning (Hons)
2 University of Central England in Birmingham	Bachelor of Science (Hons) Quantity Surveying
3 City University London	Master of Engineering Civil Engineering with Surveying Bachelor of Engineering Civil Engineering with Surveying
4 University of Greenwich	Bachelor of Science (Hons) Quantity Surveying
5 Heriot-Watt University	Bachelor of Science/Bachelor of Science (Hons) Building Economics and Quantity Surveying Bachelor of Science/Bachelor of Science (Hons) Building Services Quantity Surveying
6 Kingston University	Bachelor of Science (Hons) Quantity Surveying Consultancy
7 Liverpool John Moores University	Bachelor of Science/Bachelor of Science (Hons) Quantity Surveying
8 Leeds Metropolitan University	Bachelor of Science (Hons) Quantity Surveying
9 Loughborough University	Bachelor of Science (Hons) Commercial Management and Quantity Surveying
10 University of Newcastle	Bachelor of Science (Hons) Surveying and Mapping Science Bachelor of Science (Hons) Geographic Information Science Bachelor of Science Joint Hons in Surveying and Mapping Science with Geography, Computing Science or Mathematics
11 University of Northumbria ay Newcastle	Bachelor of Science (Hons) Building Surveying
12 The University of Nottingham	Master of Science Engineering Surveying and Geodesy Master of Science Geographical Information Systems Diploma Engineering Surveying and Geodesy
13 The Nottingham Trent University	Bachelor of Science (Hons) Quantity Surveying and Construction Cost Management Bachelor of Engineering (Hons) Surveying for Engineering Bachelor of Science (Hons) Surveying for Engineering Postgraduate Diploma Quantity Surveying
14 The University of Portsmouth	Bachelor of Science (Hons) Quantity Surveying
15 The University of Reading	Bachelor of Science (Hons) Quantity Surveying
16 The Robert Gordon University	Bachelor of Science (Hons) Quantity Surveying
17 The University of Salford	Bachelor of Science Quantity Surveying

INSTITUSI	KELULUSAN
18 South Bank University	Bachelor of Science (Hons) Quantity Surveying Postgraduate Diploma Quantity Surveying
19 Sheffield Hallam University	Bachelor of Science (Hons) Quantity Surveying
20 Staffordshire University	Bachelor of Science (Hons) Quantity Surveying
21 Ulster University	Bachelor of Science (Hons) Surveying
22 University College London	Master of Science in Surveying Diploma in Surveying
23 Bristol University of West of England	Bachelor of Science (Hons) Quantity Surveying
24 University of Westminster	Bachelor of Science (Hons) Quantity Surveying
25 University of Wolverhampton	Bachelor of Science (Hons) Quantity Surveying