

Architecture and Surveying

Major	Architecture and Surveying 建築學及測量學
Degree / Award Title	Bachelor of Science in Architecture and Surveying 理學士(建築學及測量學)
Offering Academic Unit	Department of Architecture and Civil Engineering
Mode of Study	Full-time

Aims of Major

The major aims to provide:

1. the students with an environment in which to develop their intellectual, analytical and critical abilities, and to enable the graduates to become competent, skilled, reflective new members of surveying profession or architecture profession; with well-developed discipline knowledge who will communicate effectively; contribute through team and individual application of skills and knowledge to resolving problems; with a commitment to lifelong learning; and leadership in the building and construction professions.
2. a basis for continuing professional development, and encouragement for professional specialization or higher academic study.
3. a suitable foundation for the educational development, within an academic environment, in order that students may reach their maximum potential. This foundation is achieved by attaining a balance between the intellectual, professional and the practical constituent elements; fostering an attitude of enquiry, confidence and professionalism; enhancing proficiency in communication and cultivating cultural sensitivity.

Intended Learning Outcomes of Major (MILOs)

Upon successful completion of this Major, students should be able to:

No.	MILOs		Discovery-enriched curriculum related learning outcomes (please tick where appropriate)		
	ARC Stream	SURV Stream	A1	A2	A3
1.	have an understanding of professional and ethical responsibility such as appraise land use planning, building performance and statutory requirement		✓	✓	
2.	apply underlying principles and processes involved in the design of the built environment			✓	
3.	evaluate the impact of architectural design upon society and the environment	appraise the value and potential of real estate developments	✓	✓	
4.	understand the performance criteria within the architectural professional	apply legal principles to organize contractual documents, address contractual matters and resolve disputes		✓	
5.	use the computer/IT tools relevant to the discipline along with an understanding of their processes and limitations	manage and appraise real estate properties and modern construction technological principles		✓	
6.	identify, formulate, and solve problems in the professional practice and applications			✓	✓
7.	formulate independent researches			✓	✓
8.	have had discovery embedded learning experiences			✓	
9.	develop the ability to become a life-long learner with a discovery embedded attitude		✓	✓	
10.	relate the integration of various disciplines within an architectural project			✓	
11.	judge, assemble, coordinate, control the resources and function alone or on multi-disciplinary terms			✓	
12.	appreciate aesthetics and fine arts, and communicate effectively	communicate effectively	✓	✓	✓

A1: Attitude

Develop an attitude of discovery/innovation/creativity, as demonstrated by students possessing a strong sense of curiosity, asking questions actively, challenging assumptions or engaging in inquiry together with teachers.

A2: Ability

Develop the ability/skill needed to discover/innovate/create, as demonstrated by students possessing critical thinking skills to assess ideas, acquiring research skills, synthesizing knowledge across disciplines or applying academic knowledge to real-life problems.

A3: Accomplishments

Demonstrate accomplishments of discovery/innovation/creativity through producing/constructing creative works/new artefacts, effective solutions to real-life problems or new processes.

Degree Requirements

Degree Requirements	Normative 4-year Degree	Advanced Standing I	Advanced Standing II (Senior-year Entry)
Gateway Education requirement *	30 credit units	21 credit units	12 credit units
College/School-requirement *	6 credit units	Waived	Waived
Major requirement	84 credit units (ARC Stream-Core: 84 SURV Stream-Core: 63 Elective: 21)	84 credit units (ARC Stream-Core: 84 SURV Stream-Core: 63 Elective: 21) <i>For AS I students admitted to the University in 2024/25 and thereafter</i>	66 or 63 credit units [^] (ARC Stream-Core: 66 or 63 [^] SURV Stream-Core: 48 or 45 [^] Elective: 18) <i>For AS II students admitted to the University in 2025/26 and thereafter</i>
Free electives / Minor (if applicable)	0	0	0
Minimum number of credit units required for the award	120 credit units	105 credit units	78 or 75 credit units[^]
Maximum number of credit units permitted	144 credit units	114 credit units	84 credit units

* For details, please refer to the Curriculum Information Record for Common Requirements.

[^] The core course CA1167 Engineering Communication (3 credit units) may be waived for students admitted with Advanced Standing II depending on their academic background.

Professional Recognition

1. This Major will seek accreditation from:
 - Stream: Architecture
 - The Hong Kong Institute of Architects (HKIA) / Architects Registration Board (ARB)
 - Stream: Surveying
 - The Royal Institution of Chartered Surveyors (RICS) in the form of partnership
 - The Hong Kong Institute of Surveyors (HKIS)

2. Graduates who are going to apply for entry to the APC scheme of Building Surveying Division (BSD) and Quantity Surveying Division (QSD) of The Hong Kong Institute of Surveyors (HKIS) have to complete the following courses:
 - The HKIS QSD:
 - CA2126 Measurement of Building Works
 - CA3214 Construction Economics

- CA4229 Land Use Planning & Applied Valuation
- CA4320 Cost Management of Building and Engineering Works
- The HKIS BSD:
 - CA4229 Land Use Planning & Applied Valuation (for 2017 intake onward)
 - CA4623 Maintenance Technology and Management

Additional Information

1. For courses set with pre-cursor(s), ACE Department requires that all students must have **attempted** (including class attendance, coursework submission and examination) the precursor course(s) so identified.
2. Where courses are assessed by a combination of coursework and examination, to pass a course, students must obtain minimum marks of 30% in both coursework and examination components, and an overall mark of at least 40%.
3. The teaching schedules of some courses offered in Summer Term may start a few weeks earlier than the normal University schedule; students are advised to check the teaching schedules with the Course Leaders before registering for the courses.
4. Students of this major (ARC Stream) are eligible to apply for the Hong Kong Institute of Architects Student Membership

Related Links

[Department of Architecture and Civil Engineering](#)