

## ASSESSMENT PLAN

### LEVEL 3 - SURVEYING TECHNICIAN APPRENTICESHIP

#### 1.0 Introduction

The Surveying Technician Apprenticeship is designed as an entry level into surveying and will typically take 2 years to complete. The apprenticeship is applicable to any employer undertaking any of the following roles:

- Building Surveying
- Commercial Property Surveying
- Consultant (Professional) Project Management
- Consultant (Professional) Quantity Surveying
- Planning and Development Surveying
- Residential Property Surveying
- Valuation Surveying

The above roles identify the different pathways for the apprenticeship.

The apprenticeship has been designed by an employer working group including employers of varying sizes representing the above surveying pathways and has also included the professional body for surveying, the Royal Institution of Chartered Surveyors (RICS). The assessment process has been designed to:

- Be relevant to apprentice surveying roles
- Provide a professional qualification
- Provide access to opportunities for progression to further higher level study

The apprenticeship will develop the technical, interpersonal and behavioural skills, knowledge and competence outcomes that are required for surveying technicians to work effectively within a range of working environments.

#### 2.0 The Royal Institution of Chartered Surveyors (RICS)

The RICS' legal responsibility for admitting individuals as Associate members or Members provides them with the status (as detailed below) to require the end point assessment to be carried out only by the RICS itself.

- The RICS is the professional body representing Chartered Surveyors and RICS Associate members

- The RICS has the power to admit individuals to membership of RICS under its Royal Charter and Bye Laws. In Clause 15 and specifically Clause 15(a) of the Royal Charter RICS shall prescribe or regulate as the case maybe the mode of election and admission of Chartered Members and Non- Chartered Members
- The following is set out under Privy Council approved revised Bye-Laws detailed in the Schedule to the Order:
  - Clause B2.1 Classess of membership
  - Clause B2.2 Eligibility
  - Clause B2.3 Application procedure and
  - Clause B3.1 Use of designations
  -

Copies of the RICS Royal Charter and Bye-Laws can be found at [www.rics.org](http://www.rics.org).

### 3.0 Summary of assessment

The assessment of the apprenticeship includes on programme assessments and a synoptic end point assessment.

#### 3.1 *On programme assessment*

We strongly recommend that on programme assessment is used to monitor progress in the acquisition of knowledge, skills and experience and that this should include two elements:

- a) The mandatory Level 3 Diploma comprising core and optional units. The Trailblazer Employer Working Group is working with an Awarding Body to develop a new qualification which, where possible, will bring together existing units from Level 3 qualifications. This will be ready for delivery in September 2015.
- b) The presentation of a portfolio of evidence (which will not form part of the Diploma). This will be assessed by Assessors who are either qualified NVQ Assessors or who are active and trained Assessors for the RICS Associate assessment.

#### 3.2 *Synoptic end point assessment*

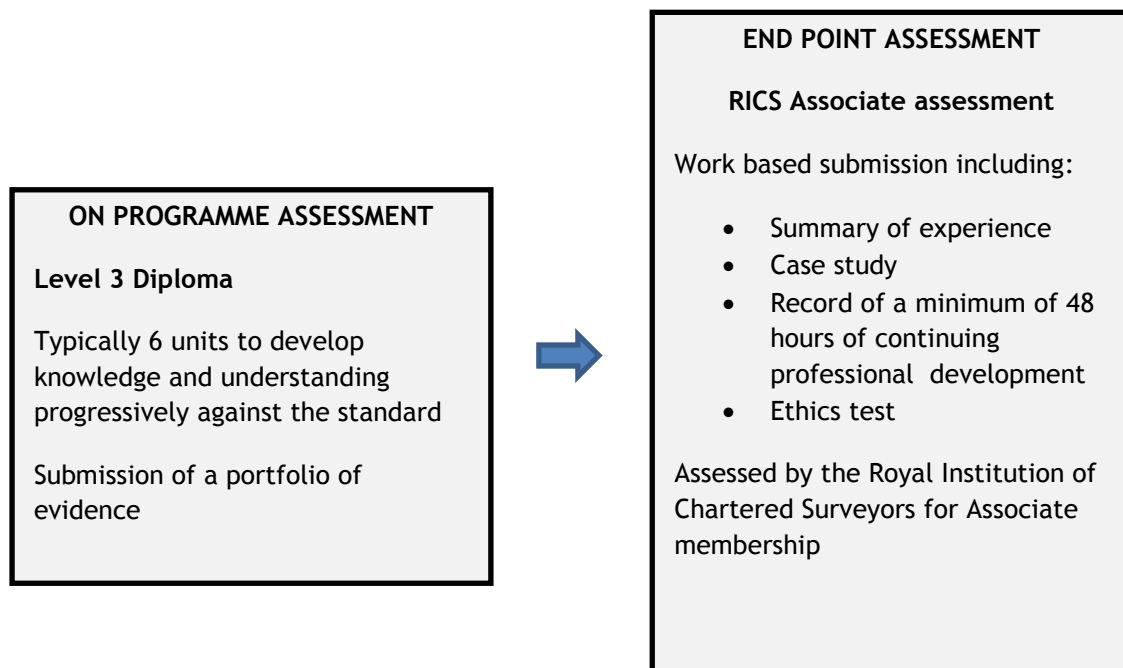
The end point assessment is the RICS Associate assessment. This is a substantial piece of work, typically taking around 3 months to complete and will include:

- A 3000 word summary of experience
- A 2500 word case study

- A record of a minimum of 48 hours of continuing professional development undertaken during the last 12 months
- An ethics test

The end point assessment requires apprentices to demonstrate that they have achieved the standards for their chosen pathway. This entails demonstrating achievement of RICS defined competencies to which the apprenticeship standards have been mapped (see Appendix 2 for mapping).

### 3.2.1 Assessment model



## 4.0 Assessment details

### 4.1 *On programme*

On programme assessment will be way of a new Level 3 Diploma and a portfolio of evidence. On programme assessment methods will include:

- Essays and reports
- Practical tasks
- Tests
- Exams

- Portfolio of evidence

Each module for the Diploma will use a range of assessment methods. The modules will include the full range of the required knowledge from the standard and the portfolio of evidence must demonstrate the required skills and behaviours. Assessments should be used to monitor ongoing performance of the apprentice and the training provider and employer must support the apprentice and provide guidance when required.

It is strongly recommended that:

- Apprentices are allocated an independent vocational assessor
- Apprentices are asked to show their portfolio of evidence to their Assessor every 3 months and to provide a summary of experience summarising experience gained for each of the appropriate RICS Associate competencies at each 3 monthly assessment.
- The report is signed and verified by the apprentice's workplace mentor or supervisor.
- The Assessor explores the apprentice's knowledge and understanding further by way of professional discussion.

Appendix 1 provides further detail of how the skills, knowledge and behaviours are assessed.

#### 4.2 *End point assessment*

Apprentices will need to successfully complete the Level 3 Diploma and the portfolio of evidence before they are able to apply for the end point assessment. The decision as to when the apprentice is ready to take the end point assessment will be made by the employer and the training provider.

##### 4.2.1 *The nature of the end point assessment*

The end point assessment is undertaken electronically and will assess all of the skills, knowledge and behaviours in the standard and the competencies required for the RICS Associate assessment. Appendix 2 maps the apprenticeship standards to the RICS Associate competencies.

Apprentices will be required to submit a work based submission to the Royal Institution of Chartered Surveyors. This will be based on the portfolio of evidence and summaries provided for on programme assessment on a 3 monthly basis and will include:

- A summary of experience  
The summary will include a 2000 word summary relating to the Apprenticeship Standards and the RICS Associate technical competencies for the chosen pathway together with a

1000 word summary relating to the RICS Associate mandatory competencies. The summary will include the development of knowledge and skills. This will summarise the knowledge and experience the apprentice has gained over the period of the apprenticeship for each of the RICS Associate competencies which are shown mapped to the apprenticeship standards in Appendix 2.

- A case study

The case study is an account of a project or piece of work with which the apprentice has been involved and will focus on the technical competencies for the apprentice's pathway.

The case study can be of a project worked on at any time during the period of on programme assessment and the written report required for the end point assessment will comprise 2500 words and may include illustrations, calculations and plans. The case study must demonstrate the following:

- The objective of the project
- The apprentice's knowledge, skills and experience
- The role the apprentice played and the contribution made
- The technical skills used
- The overall outcome of the project

The standard of presentation of the case study will be important and will form part of the assessment. A template is provided by RICS for the submission.

The case study will provide detailed evidence of the apprentice's ability to apply knowledge in practice and will relate to a range of RICS Associate competencies for their pathway. These competencies are mapped to the apprenticeship standards in Appendix 2.

- A record of continuing professional development

Apprentices will be required to submit a record of a minimum of 48 hours of continuing professional development (additional learning) for the 12 month period prior to the end point assessment. 50% of the continuing professional development must be of a formal nature such as professional courses, seminars and online events. Apprentices will be required to identify the objective of the activity and to give a reflective account of the outcome and learning gained. The CPD record will evidence how the candidate has achieved the relevant knowledge for the RICS Associate competencies and for the apprenticeship standards.

Following completion and submission apprentices will be required to take an online ethics module provided by RICS. This module includes online learning and an online multiple choice test. The ethics module will demonstrate that the apprentice has achieved the behaviours set out in the standards.

The end point assessment will typically take between 3 and 6 months to complete although work experience on the case study may start at any time during the period of on programme assessment.

### 3.2.2. *Assessment*

The work based submission to include the summary of experience, case study and record of professional development, will be assessed by two RICS Assessors who will be Members of RICS (AssocRICS, MRICS or FRICS) have undertaken RICS Assessor training. They will have no relationship with the apprentice and will provide totally independent assessment. The two assessors will agree on the outcome of the assessment. If the assessors cannot agree RICS will appoint a third assessor. The third assessor will review all the evidence and reach a decision after a discussion with both assessors. The third assessor will have a 'casting vote' and the decision will be reached by a two to one majority.

Apprentices will be required to demonstrate achievement of all the knowledge, skills and behaviours for their apprenticeship pathway in their submissions.

## 4.0 **Quality Assurance**

### 4.1 *On programme assessment*

The delivery and assessment of the Level 3 Diploma will be subject to Ofqual regulation. For the on programme assessment of the portfolio of evidence and three monthly reports training providers will be required to ensure assessors attend RICS standardisation days (two per year).

### 4.2 *End point assessment*

#### 4.2.1 *Audit*

RICS operate a quality assurance and audit process which will be used for the end point assessment as for other RICS Associate assessments. This includes:

- Desktop audit  
This will include the selection of a number of submissions for audit. If an apprentice's submissions are audited they may be contacted by RICS for further evidence of their role, responsibilities and work history
- Telephone interview  
Apprentices may be required to participate in a verification interview after the assessment. This is to verify the validity of the assessment.
- Appeals  
Apprentices have the right to appeal against the RICS decision regarding the end point assessment.

#### 4.2.2 *Consistency of decisions*

All RICS Associate assessors will attend one training and standardisation event each year run by RICS to ensure consistency of decisions. Consistency will also be achieved by the appointment by employers of training providers to oversee the delivery of the apprenticeship programme as a whole.

### 5.0 **Grading**

The apprenticeship will not be graded as all of the end point assessment is aligned with professional registration and the RICS Associate assessment is not graded.

### 6.0 **Affordability and manageability**

The approach set out above offers an affordable and scalable programme for the apprenticeship. It is anticipated that between 70 and 100 apprentices will start on the programme in September 2015 and will increase to a potential 150 to 200 per year thereafter. In terms of costs the end point assessment typically will equate to up to 10% of the total cost. The overall programme will be managed by training providers appointed by employers and it is intended to use existing units for the Level 3 Diploma where possible to save duplication. The end point assessment is already being operated by RICS and has the capacity to take on the additional assessments for the apprenticeship programme. Training providers and RICS have access to a large number of trained assessors (both NVQ and RICS Associate) and would also have the opportunity to train additional assessors if required.

The end point assessment is undertaken electronically whereby apprentices submit their work based submission including the summary of experience, case study and log of professional

development to the RICS by email and this is assessed remotely and feedback given electronically. Training providers will play a key role in working with the employer to provide the required training and organising the end point assessments.

## **APPENDIX 1**

### **SURVEYING TECHNICIAN APPRENTICESHIP**

#### **RECOMMENDED ON PROGRAMME ASSESSMENT METHODS FOR EACH STANDARD**

<b>Standard and key requirements</b>	<b>Assessment methods</b>
<b>CORE KNOWLEDGE</b>	
CK1 Law	
CK1.1 The English legal system	Diploma assignment
CK1.2 Principles of law of contract	Diploma assignment
CK1.3 Principles of law of tort. This will include duty of care, negligence, nuisance, trespass and remedies	Diploma assignment
CK2 Data collection	
CK2.1 Key mathematical principles relating to data collection	Diploma assignment
CK2.2 Principles of measurement and importance of accuracy	Diploma assignment
CK 2.3 Data management and confidentiality	Portfolio of evidence
CK3 Economics	
CK3.1 Basic economic principles	Diploma assignment
CK3.2 The principles of economic markets	Diploma assignment
CK3.3 The Property and construction market	Diploma assignment
CK4 Health and safety	



CK4.1 Principles of health and safety at work	Portfolio of evidence
CK4.2 Health and safety legislation	Portfolio of evidence
CK4.3 Codes of practice and regulations	Portfolio of evidence
CK5 Sustainability	
CK5.1 Principles of sustainability - economic, environmental and social	Diploma assignments
CK5.2 Sustainability in construction and property	Diploma assignments
CK5.3 Legislation and regulation	Diploma assignments
CK 6 Construction Technology	
CK6.1 Low rise domestic building construction techniques and services	Diploma assignments
CK6.1 Construction materials for low rise domestic buildings	Diploma assignments
CK6.2 Principles of building failure	Diploma assignments
CK7 Personal effectiveness	
CK7.1 The importance of managing time and tasks	Portfolio of evidence
CK7.2 Effective written and verbal communication	Portfolio of evidence
CK7.3 Negotiation	Portfolio of evidence
<b>OPTIONAL KNOWLEDGE (two to be chosen)</b>	
OK8 Valuation and appraisal	
OK8.1 Reasons for valuation	Diploma assignment
OK8.2 Methods of valuation	Diploma assignment
OK8.3 Freehold and leasehold valuations	Diploma assignment
OK9 Building pathology	
OK9.1 Reasons for failure	Diploma assignment
OK9.2 Common building defects	Diploma assignment
OK9.3 Collection of information, measurement and tests	Diploma assignment
OK10 Property and planning law	
OK10.1 Principles of land law	Diploma assignment
OK10.2 Landlord and tenant law	Diploma assignment

OK10.3 Planning law	Diploma assignment
OK11 Procurement and contracts	
OK11.1 Types of procurement	Diploma assignment
OK11.2 Forms of contract	Diploma assignment
OK11. Tendering and negotiation processes	Diploma assignment
OK12 Costing and cost planning of construction works	
OK12.1 Quantification of construction works (measurement and definition)	Diploma assignment
OK12.2 Measurement of buildings and structures to agreed standards	Diploma assignment
OK12.3 Costing of construction works	Diploma assignment
<b>CORE SKILLS</b>	
CS1 Data collection	
CS1.1 Collect relevant data	Portfolio of evidence
CS1.2 Take measurements	Portfolio of evidence
CS1.3 Provide data to others	Portfolio of evidence
CS2 Health and safety	
CS2.1 Apply health and safety procedures	Portfolio of evidence
CS2.2 Demonstrate compliance with health and safety legislation and regulation	Portfolio of evidence
CS2.3 Personal safety	Portfolio of evidence
CS3 Law	
CS3.1 Apply contract law to either contracts for acquisition/disposal of property, standard forms of building contracts or other property related contracts	Portfolio of evidence
CS3.2 Take action to avoid professional negligence	Portfolio of evidence
CS3.3 Demonstrate compliance with legal requirements relevant to the area of practice	Portfolio of evidence
CS4 Construction Technology	
CS4.1 Read and interpret design drawings	Portfolio of evidence
CS4.2 Identify construction materials for low rise domestic buildings	Portfolio of evidence

CS4.3 Identify causes of failure in construction materials and assess their performance	Portfolio of evidence
CS5 Personal effectiveness	
CS5.1 Manage time and tasks	Portfolio of evidence
CS5.2 Communicate effectively	Portfolio of evidence
CS5.3 Negotiate effectively	Portfolio of evidence
<b>OPTIONAL SKILLS</b>	
CS6 Valuation and appraisal	
CS6.1 Undertake capital valuations	Portfolio of evidence
CS6.2 Undertake rental valuations	Portfolio of evidence
CS6.3 Assist with the preparation of valuation reports	Portfolio of evidence
CS7 Building surveys	
CS7.1 Undertake inspections	Portfolio of evidence
CS7.2 Take measurements and undertake tests	Portfolio of evidence
CS7.3 Identify defects, causes and remedies	Portfolio of evidence
CS8 Property and planning law (apply the following to at least two of property, landlord and tenant and planning)	
CS8.1 Assist in the negotiation of legal issues	Portfolio of evidence
CS8.2 Prepare reports on legal matters	Portfolio of evidence
CS8.3 Demonstrate compliance with legislation	Portfolio of evidence
CS9 Tendering and procurement	
CS9.1 Assist in implementing procurement routes	Portfolio of evidence
CS9.2 Assist in agreeing construction contracts	Portfolio of evidence
CS9.3 Produce or assess tender documentation	Portfolio of evidence
CS10 Costing and cost planning of construction works	
CS10.1 Quantity construction works	Portfolio of evidence
CS10.2 Produce pricing documents	Portfolio of evidence
CS10.3 Cost construction works	Portfolio of evidence

Standard and key requirements	Assessment methods
<b>BEHAVIOURS</b>	
B1 Provide a high standard of service	
B1.1 Engaged and motivated	Portfolio of evidence
B1.2 Attention to detail	Portfolio of evidence
B1.3 Meet deadlines	Portfolio of evidence
B2 Act in a way that promotes trust in the profession	
B2.1 Act in a professional manner	Ethics module
B2.2 Act in a positive manner	Ethics module
B2.3 Meet personal commitments and expectations	Ethics module
B3 Act with integrity	
B3.1 Honesty	Ethics module
B3.2 Openness	Ethics module
B3.3 Ethical values	Ethics module
B4 Treat others with respect	
B4.1 Act with courtesy	Ethics module
B4.2 Politeness	Portfolio of evidence
B4.3 Communication	Portfolio of evidence
B5 Take responsibility	
B5.1 Accountability	Portfolio of evidence
B5.2 Take ownership	Portfolio of evidence
B5.3 Develop knowledge and skills	Portfolio of evidence

APPENDIX 2

END POINT ASSESSMENT - MAPPING OF RICS ASSOCIATE COMPETENCIES TO APPRENTICESHIP STANDARDS

PART A - MANDATORY ASSOCIATE COMPETENCIES (required for all Apprenticeship Pathways)

Mapping to Knowledge standards

ASSOCIATE COMPETENCY	KNOWLEDGE												
	CORE KNOWLEDGE							OPTIONAL KNOWLEDGE (choose 2)					
Refer to APC pathway guide at <a href="http://www.rics.org/associate">www.rics.org/associate</a> for full competency details	Law	Data collection	Economics	Health and Safety	Sustainability	Construction Technology	Personal effectiveness	Valuation & appraisal	Building pathology	Property and planning law	Procurement and contracts	Costing & cost planning	
	Communication and negotiation							*					
	Health and safety				*								
	Accounting principles and procedures			*									
	Business planning	*		*									
	Data management		*										
	Sustainability					*	*						
	Teamworking							*					

## Mapping to skills standards

ASSOCIATE COMPETENCY	SKILLS										
Refer to Associate pathway guide at <a href="http://www.rics.org/associate">www.rics.org/associate</a> for full competency details	CORE SKILLS						OPTIONAL SKILLS (choose two)				
	Data collection and analysis	Health and safety	Construction technology	Law	Personal effectiveness		Valuation & appraisal	Building surveys	Property and planning law	Tendering and procurement	Costing & cost planning
Communication and negotiation					*						
Health and safety		*									
Accounting principles and procedures	*						*				
Business planning	*			*							
Data management	*						*	*	*	*	*
Sustainability			*		*		*	*	*	*	*
Teamworking					*						

## Mapping to behaviours

ASSOCIATE COMPETENCY	BEHAVIOURS				
<i>Refer to Associate pathway guide at <a href="http://www.rics.org/associate">www.rics.org/associate</a> for full competency details</i>	Provide a high standard of service	Act in a way that promotes trust	Act with integrity	Treat others with respect	Take responsibility
Conduct, rules, ethics and professional practice	*	*	*	*	*
Client care	*	*	*	*	*
Conflict avoidance, management and dispute resolution	*	*	*	*	*
Communication and negotiation	*	*	*	*	*
Teamworking	*	*	*	*	*

**PART B - SURVEYING PATHWAYS - ASSOCIATE TECHNICAL COMPETENCIES**

**Building Surveyors - knowledge requirements**

ASSOCIATE COMPETENCY	KNOWLEDGE											
Refer to Associate pathway guide at <a href="http://www.rics.org">www.rics.org</a> for full competency details	CORE KNOWLEDGE							OPTIONAL KNOWLEDGE (choose 2)				
	Law	Data collection	Economics	Health and Safety	Sustainability	Construction Technology	Personal effectiveness	Valuation & appraisal	Building pathology	Property and planning law	Procurement and contracts	Costing & cost planning
Building pathology		*			*	*			*			
Construction technology and environmental services					*	*			*			
Contract administration	*		*								*	
Design and specification				*	*	*						
Inspection		*				*			*			
Legal/regulatory	*			*	*	*			*		*	



compliance												
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### Building surveyors - skills requirements

ASSOCIATE COMPETENCY	SKILLS											
Refer to Associate pathway guide at <a href="http://www.rics.org">www.rics.org</a> for full competency details	CORE SKILLS						OPTIONAL SKILLS (choose two)					
	Data collection and analysis	Health and safety	Construction technology	Law	Personal effectiveness		Valuation & appraisal	Building surveys	Property and planning law	Tendering and procurement	Costing & cost planning	
Building pathology	*	*	*	*	*			*				
Construction technology and environmental services			*	*	*			*				
Contract administration	*			*	*					*		
Design and specification		*	*	*	*			*				

Inspection	*	*	*	*	*				*		
Legal/regulatory compliance	*	*		*	*				*		*

### Commercial Property Surveyors - knowledge requirements

ASSOCIATE COMPETENCY	KNOWLEDGE											
<i>Refer to Associate pathway guide at <a href="http://www.rics.org">www.rics.org</a> for full competency details</i>  <i>**Choose one of the competencies marked</i>	CORE KNOWLEDGE							OPTIONAL KNOWLEDGE (choose 2)				
	Law	Data collection	Economics	Health and Safety	Sustainability	Construction Technology	Personal effectiveness	Valuation & appraisal	Building pathology	Property and planning law	Procurement and contracts	Costing & cost planning
Landlord and tenant	*		*					*		*		
Measurement and inspection		*				*			*	*		
Property management	*	*	*		*			*		*		
Property records and information systems		*					*					
Rental appraisal	*	*						*		*		
Building Information Modelling		*							*			

management**												
Leasing/letting**	*		*					*		*		
Local taxation/assessment**	*		*					*		*		
Property management accounting**	*	*						*		*		
Valuation**	*		*					*		*		

### Commercial Property Surveyors - skills requirements

ASSOCIATE COMPETENCY	SKILLS											
<i>Refer to Associate pathway guide at <a href="http://www.rics.org/associate">www.rics.org/associate</a> for full competency details</i>  <i>**Choose two of these competencies marked</i>	CORE SKILLS						OPTIONAL SKILLS (choose two)					
	Data collection and analysis	Health and safety	Construction technology	Law	Personal effectiveness		Valuation & appraisal	Building surveys	Property and planning law	Tendering and procurement	Costing & cost planning	
Landlord and tenant				*	*		*		*			
Measurement and inspection	*		*	*	*				*			
Property management	*	*		*	*				*			
Property records and information systems	*			*			*		*			
Rental appraisal	*			*	*		*		*			

Building Information Modelling management**	*				*							
Leasing/letting**	*			*	*			*		*		
Local taxation/assessment**	*			*	*			*		*		
Property management accounting**	*			*	*					*		
Valuation**	*			*	*			*		*		

#### Consultant (Professional) Project Management Surveyors - knowledge requirements

ASSOCIATE COMPETENCY	KNOWLEDGE											
<i>Refer to Associate pathway guide at <a href="http://www.rics.org">www.rics.org</a> for full competency details</i>  <i>Choose 6 from:</i>	CORE KNOWLEDGE							OPTIONAL KNOWLEDGE (choose 2)				
	Law	Data collection	Economics	Health and Safety	Sustainability	Construction Technology	Personal effectiveness	Valuation & appraisal	Building pathology	Property and planning law	Procurement and contracts	Costing & cost planning
Commercial management of construction		*	*	*	*	*	*				*	*
Construction technology and environmental services	*			*	*	*						

Contract practice	*		*	*	*	*	*				*	
Procurement and tendering	*		*	*	*		*				*	*
Programming and planning		*	*				*				*	*
Project administration	*	*	*				*				*	*
Project evaluation		*	*				*				*	*
Risk management		*		*			*				*	*

### Consultant (Professional) Project Management Surveyors - skills requirements

ASSOCIATE COMPETENCY	SKILLS											
<i>Refer to Associate pathway guide at <a href="http://www.rics.org">www.rics.org</a> for full competency details</i>	CORE SKILLS						OPTIONAL SKILLS (choose two)					
	Data collection and analysis	Health and safety	Construction technology	Law	Personal effectiveness		Valuation & appraisal	Building surveys	Property and planning law	Tendering and procurement	Costing & cost planning	
Commercial management of construction	*	*	*	*	*						*	*
Construction technology and environmental	*	*	*	*	*							

services												
Contract practice	*	*	*	*	*						*	*
Procurement and tendering	*	*		*	*						*	*
Programming and planning	*				*						*	*
Project administration	*			*	*						*	*
Project evaluation	*			*	*						*	*
Risk management	*	*		*	*						*	*

### Consultant (Professional) Quantity Surveyors - knowledge requirements

ASSOCIATE COMPETENCY	KNOWLEDGE											
Refer to Associate pathway guide at <a href="http://www.rics.org">www.rics.org</a> for full competency details	CORE KNOWLEDGE							OPTIONAL KNOWLEDGE (choose 2)				
	Law	Data collection	Economics	Health and Safety	Sustainability	Construction Technology	Personal effectiveness	Valuation & appraisal	Building pathology	Property and planning law	Procurement and contracts	Costing & cost planning
Design economics and cost planning		*	*		*	*						*

Contract practice	*										*	
Construction technology and environmental services					*	*						
Procurement and tendering	*		*			*					*	*
Project financial control and reporting		*	*									*
Quantification and costing of construction works		*										*
Building Information Modelling management		*			*	*					*	*

### Consultant (Professional) Quantity Surveyors - skills requirements

<b>ASSOCIATE COMPETENCY</b>	<b>SKILLS</b>											
<i>Refer to Associate pathway guide at <a href="http://www.rics.org">www.rics.org</a> for full competency details</i>	<b>CORE SKILLS</b>						<b>OPTIONAL SKILLS (choose two)</b>					
	Data collection and analysis	Health and safety	Construction technology	Law	Personal effectiveness		Valuation & appraisal	Building surveys	Property and planning law	Tendering and procurement	Costing & cost planning	

Design economics and cost planning	*	*	*	*	*							*
Contract practice	*			*	*							*
Construction technology and environmental services	*	*	*	*	*							
Procurement and tendering	*			*	*							*
Project financial control and reporting	*				*							*
Quantification and costing of construction works	*				*						*	*
Building Information Modelling management	*		*								*	*

### Planning and Development - knowledge requirements

ASSOCIATE COMPETENCY	KNOWLEDGE											
<i>Refer to Associate pathway guide at <a href="http://www.rics.org">www.rics.org</a> for full competency details</i>  <i>Land pathway - choose 6</i>	CORE KNOWLEDGE							OPTIONAL KNOWLEDGE (choose 2)				
	Law	Data collection	Economics	Health and Safety	Sustainability	Construction Technology	Personal effectiveness	Valuation & appraisal	Building pathology	Property and planning	Procurement and contracts	Costing & cost planning



<i>from:</i>										law		
Access and rights over land	*	*	*	*		*		*		*		
Development/project briefs	*	*	*	*	*	*	*	*		*		
Inspection/reporting	*	*	*	*	*	*	*	*		*		
Landlord and tenant	*		*	*	*		*	*		*		
Legal and regulatory compliance	*	*	*	*	*	*	*	*		*		
Mapping		*					*			*		
Measurement		*				*	*	*		*		
Planning	*	*	*	*	*	*	*			*		
Property management	*	*	*	*	*	*	*	*		*		
Property records and information systems	*	*	*				*	*		*		
Valuation	*	*	*				*	*		*		

### Planning and Development - skills requirements

<b>ASSOCIATE COMPETENCY</b>	<b>SKILLS</b>	
<i>Refer to Associate</i>	<b>CORE SKILLS</b>	<b>OPTIONAL SKILLS (choose two)</b>

<i>pathway guide at www.rics.org for full competency details</i>  <i>Land pathway - choose 6 from:</i>	Data collection and analysis	Health and safety	Construction technology	Law	Personal effectiveness			Valuation & appraisal	Building surveys	Property and planning law	Tendering and procurement	Costing & cost planning
Access and rights over land	*	*	*	*				*		*		
Development/project briefs	*	*	*	*	*			*		*		
Inspection and reporting	*	*	*	*	*			*		*		
Landlord and tenant	*	*		*	*			*		*		
Legal and regulatory compliance	*	*	*	*	*			*		*		
Mapping	*				*					*		
Measurement	*		*		*			*		*		
Planning	*	*	*	*	*					*		
Property management	*	*	*	*	*			*		*		
Property records and information systems	*	*			*			*		*		
Valuation	*			*	*			*		*		

## Residential Surveyors - knowledge requirements

ASSOCIATE COMPETENCY	KNOWLEDGE											
Refer to Associate pathway guide at <a href="http://www.rics.org">www.rics.org</a> for full competency details.	CORE KNOWLEDGE							OPTIONAL KNOWLEDGE (choose 2)				
	Law	Data collection	Economics	Health and Safety	Sustainability	Construction Technology	Personal effectiveness	Valuation & appraisal	Building pathology	Property and planning law	Procurement and contracts	Costing & cost planning
Building pathology		*			*	*			*			
Inspection	*	*		*	*	*	*		*			
Legal/regulatory compliance	*	*				*			*	*		
Measurement		*				*			*			
Property records and information systems		*							*			
Valuation	*	*	*					*		*		

## Residential Surveyors - skills requirements

ASSOCIATE COMPETENCY	SKILLS											
Refer to Associate pathway guide at <a href="http://www.rics.org">www.rics.org</a> for full competency details	CORE SKILLS						OPTIONAL SKILLS (choose two)					
	Data collection and analysis	Health and safety	Construction technology	Law	Personal effectiveness		Valuation & appraisal	Building surveys	Property and planning law	Tendering and procurement	Costing & cost planning	
Building pathology	*	*	*	*	*			*	*			
Inspection	*	*	*	*	*			*	*			
Legal/regulatory compliance	*	*		*	*			*	*			
Measurement	*				*			*	*			
Property records and information systems	*				*		*	*	*			
Valuation	*			*	*		*		*			

## Valuation Surveyors - knowledge requirements

ASSOCIATE COMPETENCY	KNOWLEDGE											
<i>Refer to Associate pathway guide at <a href="http://www.rics.org">www.rics.org</a> for full competency details</i>  <i>**Choose one of those marked</i>	CORE KNOWLEDGE							OPTIONAL KNOWLEDGE (choose 2)				
	Law	Data collection	Economics	Health and Safety	Sustainability	Construction Technology	Personal effectiveness	Valuation & appraisal	Building pathology	Property and planning law	Procurement and contracts	Costing & cost planning
Inspection		*		*	*	*		*	*	*		
Legal/regulatory compliance	*	*		*	*				*	*		
Measurement		*						*				
Property records and information systems		*					*		*			
Valuation	*	*	*					*		*		
Analysis and appraisal**	*	*	*					*		*		
Building pathology**		*			*	*			*			

## Valuation Surveyors - skills requirements

ASSOCIATE COMPETENCY	SKILLS											
Refer to Associate pathway guide at <a href="http://www.rics.org">www.rics.org</a> for full competency details	CORE SKILLS						OPTIONAL SKILLS (choose two)					
	Data collection and analysis	Health and safety	Construction technology	Law	Personal effectiveness		Valuation & appraisal	Building surveys	Property and planning law	Tendering and procurement	Costing & cost planning	
Inspection	*	*	*	*	*		*		*			
Legal/regulatory compliance	*	*		*			*		*			
Measurement	*						*		*			
Property records and information systems	*			*	*		*		*			
Valuation	*			*			*		*			
Analysis and appraisal**	*			*			*		*			
Building pathology**	*	*	*	*				*	*			