



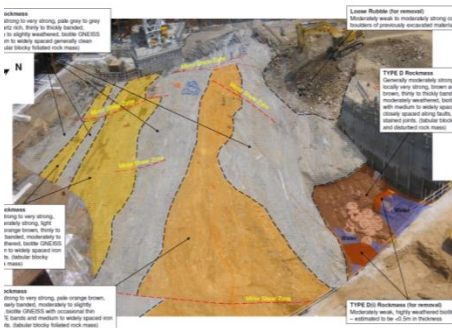
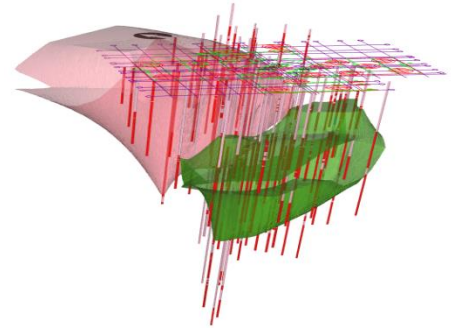
Towards Chartership becoming a CGeol



Stuart Millis

Chair, Hong Kong Regional Group of the
Geological Society of London

17 November 2014

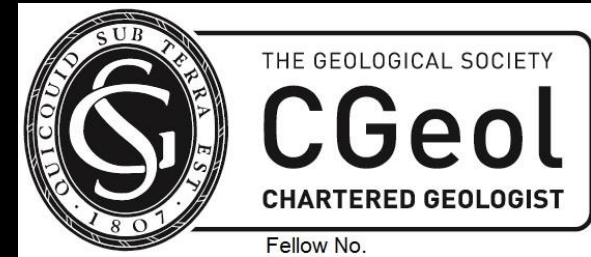


Programme for the Evening:

Introduction to Chartership:

what it is and why I should bother getting it

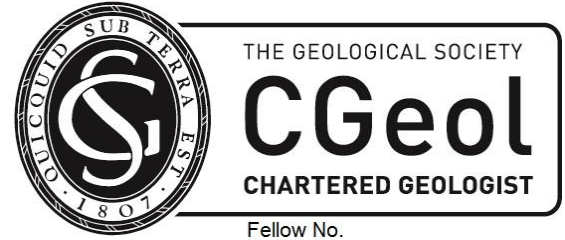
Open Discussion / Question & Answer Session
with Scrutineers and recent CGeol candidates



What is CGeol?

Chartered Geologist (CGeol):

Accreditation as a Chartered Geologist is a sign to clients, regulators, employers and the general public that you are a *competent professional who can demonstrate a high level of knowledge, skills and experience*, and that you are bound by a strict code of professional conduct.



The Chartered designation indicates a professional practitioner who has been peer assessed as having key *professional competencies and experience in their field of practice*.

Why should I bother getting Chartered?

In my view there are three main reasons:

Professional Recognition: CGeol is the *de facto* standard by which the competence of a geoscientist is measured in Hong Kong, as well as many other parts of the world

Access to Professional Registers

Post-Chartership Qualifications



European Geologist

European Geologist is a professional title created by the European Federation of Geologists which recognises the ability to deliver a high quality of services within the practice of geology.



UK Register of Ground Engineering Professionals

The UK Register of Ground Engineering Professionals (RoGEP) identifies individuals who are suitably qualified and competent in ground engineering.



Specialist in Land Condition

Specialist in Land Condition (SiLC) is an accreditation scheme for experienced practitioners working in the brownfield regeneration sector and advising on land condition matters.



Construction Skills Certification Scheme

The Construction Skills Certification Scheme is a register of competent workers in the construction industry which aims to improve standards and reduce accidents.



Staff Category Criteria for Public Works Projects in HK

Staff Category	Minimum Academic/ Professional Qualifications	Minimum Experience Requirement
Partners/ Directors	A director of a company who is a member of the Board with voting power at Board meetings of the company and with extensive experience in the relevant field	15 years relevant post-qualification experience
Chief Professional	Corporate member of an appropriate professional institution or equivalent	12 years relevant post-qualification experience
Senior Professional	Corporate member of an appropriate professional institution or equivalent	5 years relevant post-qualification experience
Professional	Corporate member of an appropriate professional institution or equivalent	No additional requirement
Assistant Professional	University degree or equivalent in an appropriate discipline	No additional requirement
Technical	Diploma or Higher Certificate or equivalent in an appropriate discipline	No additional requirement

Chartered

Not Chartered

Reciprocal Rights



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Why should I bother getting Chartered?

There are three main reasons:

Professional Recognition

Promotion:

CGeol is also used as a measure of competence by many employers in Hong Kong and will therefore affect promotion opportunities.



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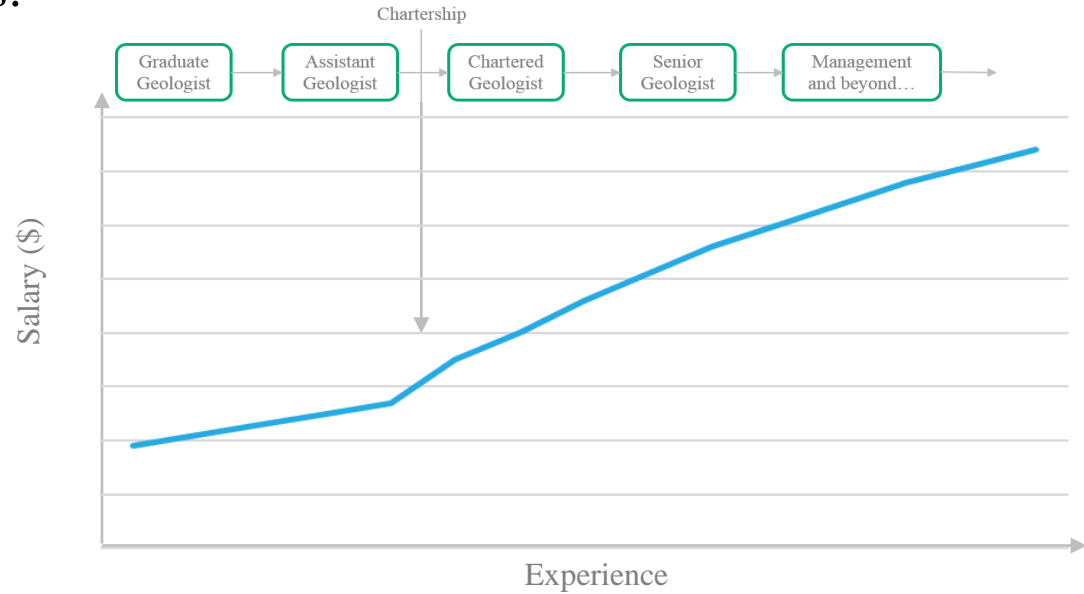
Why should I bother getting Chartered?

There are three main reasons:

Professional Recognition:

Promotion:

Payrise:



One of the most compelling reasons for many people...



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How do I become Chartered?

Chartership Requirements – Length of Experience:

TABLE 1. MINIMUM NUMBER OF YEARS RELEVANT POSTGRADUATION EXPERIENCE REQUIRED FOR ELIGIBILITY TO APPLY FOR VALIDATION AS A CHARTERED GEOLOGIST

FIRST DEGREE OR EQUIVALENT QUALIFICATION AWARDED BY A UNIVERSITY OR INSTITUTION OF HIGHER EDUCATION	Honours (H*) level degree	Master's (M) level degree		Doctorate (D) level degree
		Accred	Non Accred	
First degree accredited by the Society in accordance with the Regulation R/FP/8 (Accreditation of Degrees)	5	4	5	3
First degree in geoscience or a cognate subject in which at least 50% of the course content is made up of geoscience subjects.	6	5	6	4
First degree in geoscience or a cognate subject in which at least 25% of the course content is made up of geoscience subjects.	8	6	7	5
First degree in scientific and/or technological subjects in which less than 25% of the course content is comprised of geoscience subjects.	12	10 (or 6 after MSc)	11 (or 7 after MSc)	9 (or 5 after PhD)

* H level degrees include BSc, MGeol, MSci, MEdSci etc

The Geology Major (Accredited Pathway) is accredited by the Geological Society of London, the UK body which grants the professional qualification Chartered Geologist. Students completing a specific set of geology courses (the accredited pathway) will receive an accredited degree which provides an accelerated route to achieving the Chartered Geologist qualification. The professional qualification Chartered Geologist is recognised internationally and in Hong Kong, chartered geologists are regarded as professionally equivalent to chartered engineers, for example by the Government.

Graduates with an accredited degree

Graduates without an accredited degree



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How do I become Chartered?

Chartership Requirements – Length of Experience:

Candidates who follow an accredited company training scheme can also knock off one more year from these requirements, meaning you can [theoretically] be eligible after as little as 4-years if you have an accredited degree and work for one of these:

Employers with accredited schemes in Hong Kong

ARUP



JACOBS

Employers with schemes accredited in the UK (and hopefully soon in HK)

ATKINS



URS

Data provided by GSL-HQ in October 2014



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What do I need to demonstrate to become Chartered?

Chartership Requirements – The Seven Competencies:

i) Understanding the complexities of geology and of geological processes in space and time in relation to your specialty

ii) Critical evaluation of geoscience information to generate predictive models

iii) Effective communication in writing and orally

iv) Professionalism

v) The management of Health and Safety and Environmental Issues

vi) Continuing Professional Development

vii) Competence in your area of expertise



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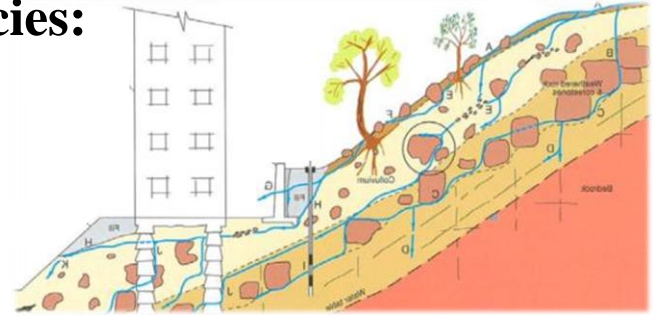
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What do I need to demonstrate to become Chartered?

Chartership Requirements – The Seven Competencies:

i) Understanding the complexities of geology and of geological processes in space and time in relation to your specialty:

- Demonstrate competence in the recognition and determination of:
 - i) basic geological processes in three and four dimensions*
 - ii) diagnosis of geological conditions*
 - iii) fundamentals of the Earth's history*
- Understanding of geological problems and their interpretation
- Creation and interpretation of geological maps and cross sections
- Compilation and testing of geological models



Building Geological Models



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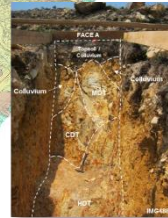
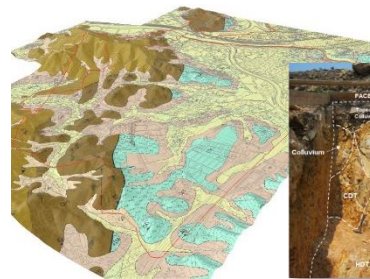
What do I need to demonstrate to become Chartered?

Chartership Requirements – The Seven Competencies:

- Demonstrate competence in the acquisition, observation and description of geological data
- Appreciation of the limitations of and conditions under which the data were collected or how they arrived in their present state
- An assessment of certainty / uncertainty

ii) Critical evaluation of geoscience information to generate predictive models:

Getting the data
to build your
Geological
Model



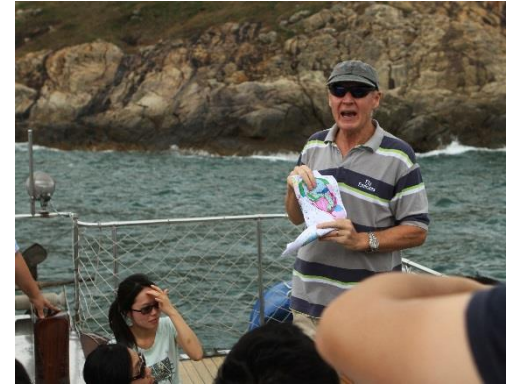
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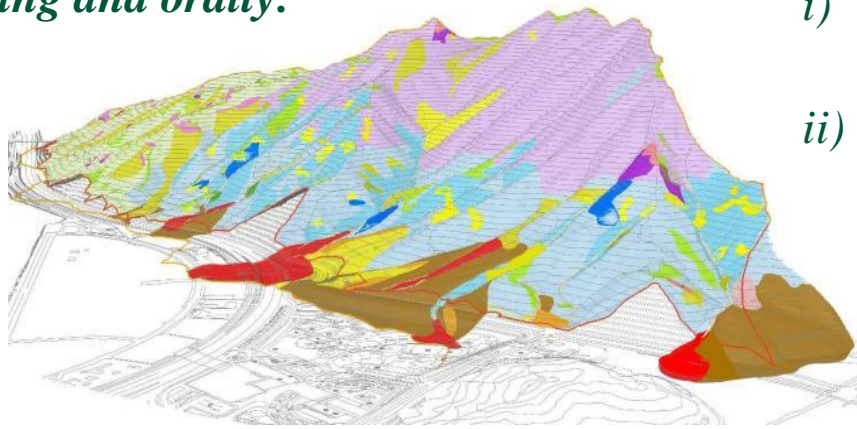
What do I need to demonstrate to become Chartered?

Chartership Requirements – The Seven Competencies:

Effectively communicating your Geological Model (and the uncertainties associated with it) to others



iii) Effective communication in writing and orally:



- Demonstrate competence through
 - i) the material presented in the professional report and supporting documents*
 - ii) The impact made in the professional interview*



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What do I need to demonstrate to become Chartered?

Chartership Requirements – The Seven Competencies:

Behaving honourably and knowing your limitations

ETHICS
core
values
principles

 The Geological Society	The Geological Society of London	Number : R/FP/7
	REGULATIONS	Issue : 9
	CODES OF CONDUCT	Date : 27/11/13
		Page : 1 of 7
		Approval Authority
		COUNCIL

1 OBJECTIVE
To ensure that there are Codes of Conduct and that Fellows are informed of them.

2 SCOPE
This Regulation covers the definition of the Codes of Conduct, provides guidance on their contents and explains the actions that the Society may take if Fellows breach the Codes.

3 RELATED REGULATIONS
Reference should be made to the following related Regulations:
Regulation R/FP/6: Disciplinary Procedures

4 THE CODES

4.1 The Code of Conduct
The Code of Conduct is Annex A to this Regulation. Fellows may propose changes to the Code of Conduct to the Secretary (Professional Matters) at any time and these shall be considered by the Professional Committee (PC).
The Code of Conduct shall be reviewed annually by the PC to ensure that it remains relevant and the PC may propose amendments to the Code. Amendments to the Code of Conduct shall be approved by Council as amendments to this Regulation.

4.2 The Code of Publishing Ethics
The Code of Publishing Ethics is Annex B to this Regulation. Fellows may propose changes to the Code of Conduct to the Secretary (Publications) at any time and these shall be considered by the Publications Management Committee (PMC).
The Code of Publishing Ethics shall be reviewed annually by the PMC to ensure that it remains relevant and may propose amendments to the Code. Amendments to the Code of Publishing Ethics shall be approved by Council as amendments to this Regulation.

4.3 Other Codes of Conduct
The Geological Society, European Federation of Geologists, Institute of Materials, Minerals and Mining and the Institute of Geologists are the parent bodies of the Pan-European Reserves and Resources Reporting Committee ("PERC"), which has published the PERC Standard. The PERC Standard can be R/FP/7

Page | 1

iv) Professionalism:



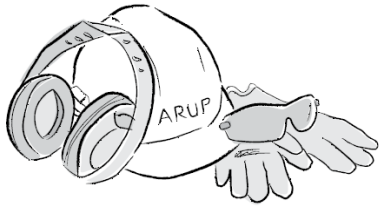
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What do I need to demonstrate to become Chartered?

Chartership Requirements – The Seven Competencies:

- Management of Health & Safety matters
- Knowledge of environmental legislation



v) The management of Health and Safety and Environmental Issues

Doing things safely and considerately



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What do I need to demonstrate to become Chartered?

Chartership Requirements – The Seven Competencies:

The screenshot shows the website for The Geological Society, specifically the 'About the CPD Scheme' page. The page header includes the society's logo, navigation menu, and user information. The main content area is titled 'About the CPD Scheme' and contains several paragraphs of text explaining the Continuous Professional Development (CPD) requirements for chartered geologists. A sidebar on the left lists various membership and chartering options. A purple box on the right promotes 'ONLINE CPD RECORDING' with a 'FIND OUT MORE' button. Below the main text, there is a photo of a geologist wearing a hard hat and a 'HELP LINKS' section.

- Demonstrate commitment to professional development throughout your career
- Forward looking programme of technical and professional skills development
 - i) attend focused CPD events
 - ii) maintain record and log them online
 - iii) where possible, follow a structured training scheme

vi) Continuing Professional Development:

What do I need to demonstrate to become Chartered?

Chartership Requirements – The Seven Competencies:

vii) Competence in your chosen area of expertise

EXPERTISE	RATE	EXPERTISE	RATE
Computer Science/Data		Marine Geology	
Contaminated Land		Mineral and Ore Deposits	
Engineering Geology		Mining	
Environmental Sciences		Natural Hazards	
Geochemistry		Oil and Gas	
<u>Geomaterials</u>		Quarrying	
Geomorphology		Quaternary Geology	
Geophysics		Tectonics	
Geotechnics		Waste Management	
Hydrogeology			

- Demonstrate competence in your specialist field through the supporting documents provided and discussion in the professional interview
- If you satisfied the other criteria, this should already be demonstrated



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How do I apply to become Chartered?

Chartership Requirements – Application Procedure:

- Identify Sponsors to support your application

Two CGeols willing to testify that you can be considered competent

- Prepare Application Documents

Submit the following documents:

- *Application Form & Competency Overview Form*
- *Professional Report & CPD records*
- *Supporting documents (up to six) demonstrating your competence*
- *Sponsors Forms (submitted separately)*
- Attend Professional Interview
 - *Conducted by two approved Scrutineers selected by GSL HQ*

1. Which Chartership?

First you need to decide whether to apply to be a Chartered Geologist (CGeol), Chartered Scientist (CSci) or Chartered European Geologist (EurGeol).

2. Find Your Sponsors

You need to find two sponsors, normally Chartered Geologists or Chartered Scientists, who will support your application.

3. Select An Interview Date

You need to book your interview date early as this will set the timetable for completing your application.

4. Which Area of Geoscience / Science?

You should agree with your sponsors in which area of geology / geoscience you want your competencies to be assessed.

5. Prepare Your Application

Now you need to put together your application, including your professional statement, and gather your supporting documents.

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6. Sponsors' Statements

Next you need to ask your sponsors to review your application and email their supporting statements to the Fellowship Office.

7. Submit Your Application

Send us your completed application, supporting documents and uncopied sponsors statements by the relevant deadline for your chosen interview date.

8. Prepare For Your Interview

Now is the time to prepare the 15 minute presentation you will need to give during your Chartership interview.

9. Your Interview

You will be interviewed by two scrutineers. The interview should last no more than two hours including your prepared presentation.

10. What Happens Next?

Your scrutineers will make a recommendation to the Chartership panel based on your application, supporting documents, sponsors' statements and the interview.

The Professional Interview

Chartership Requirements – Application Procedure:

- Normally lasts between 1.5 to 2-hours
- Starts with you giving a 15-minute (max.) presentation to outline your experience and how this satisfies the chartership criteria
- Followed by further discussion on the technical aspects of the information provided in your application and how these relate to the chartership criteria (*make sure you know your supporting documents [and other documents relating to them] inside out*)

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Then what happens?

Chartership Requirements – Application Procedure:

- Scrutineers submit their report recommending either:
 - *Accept*
 - *Accept subject to...*
 - *Defer*
- These recommendations are reviewed by the Chartership Committee, who meet up to 6 times a year to endorse the scrutineers reports
- You [*hopefully*] get your Chartership Certificate through the post, followed by that much deserved promotion / payrise...

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Still have questions / queries?

Grab a drink and have a chat with one of the scrutineers / recently qualified CGeols here tonight

You'll get much more insight chatting to them than I can give you through this presentation

Thank You.



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