

# Chartership with the Geological Society of London

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8 November 2018

# Context of Chartership

- Increasingly important for career progression
- Shows competence
- Stepping stone for further qualifications
- Deregulation?

# Types of Chartership



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- CSci and CGeol are of equal status
- You don't have to a geology graduate to get chartered with Geol Soc



# Types of Chartership



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<https://www.geolsoc.org.uk/Membership/Chartership-and-Professional/Applicants/Chartership-Eligibility>

NB. Alternative route for 20+ years

	Chartered Geologist			Chartered Scientist		
You must be a Fellow of the Geological Society.						
You must hold a recognised Honours (H) degree or equivalent qualification in geoscience. Fellows without a geoscience degree are eligible for validation but they must be able to demonstrate a minimum of 12 years' experience practising in geoscience.				You must hold a recognised degree or equivalent qualification in science at Masters (M) level or have post-graduation experience to demonstrate M level.		
You need to have a number of years' relevant post-graduate experience in the profession and practice of geology (CGeol) or science (CSci). For the majority of Applicants, the requirement will be for at least five years relevant post-graduation experience.						
To find out how many years' post-graduate experience you will need, see below:						
	CGeol			CSci		
	Honours (H) Level Degree	Master's (M) Level Degree		Doctorate (D) Level Degree	Master's (M) Level Degree	Doctorate (D) Level Degree
		Accredited	Not Accredited			
<u>Degree Accredited by Geological Society</u>	5	4	5	3	5	3
Degree Content at least 50% Geoscience	6	5	6	4	6	5
Degree Content at least 25% Geoscience	8	6	7	5		
Science/Technology Degree, less than 25% Geoscience Content	12	10 (or 6 after MSc)	11 (or 7 after MSc)	9 (or 5 after PhD)		
You need to be supported by two Fellows acting as Sponsors who themselves have been validated as Chartered Geologists or Chartered Scientists. For CGeol applications at least one sponsor must be CGeol, and for CSci applications at least one sponsor must be a CSci. Other professional qualifications may be accepted but must be agreed in advance with the Society.						

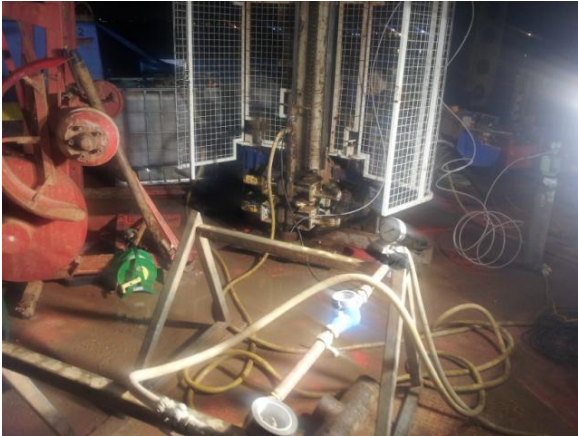
# CGeol Competency Criteria



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- Geologically focused criteria
  - show that you understand the complexities of geology and geological processes in time and space in relation to your speciality and that you are able to identify, collect, synthesise and evaluate geoscientific information to generate predictive models
- Professionally focused criteria



# CSci Competency Criteria



- Science focused criteria
  - You must show your use of specialist experimental knowledge and broader scientific understanding, demonstrate your critical evaluation of scientific information and show how you exercise sound judgement
- Professionally focused criteria

# General Advice

- Choose area of specialism
- Get two chartered sponsors at least one with the target qualification
- Lots of info on Geol Soc website [www.geolsoc.org.uk/chartership](http://www.geolsoc.org.uk/chartership)
  - Need around 5 years post degree experience
  - examples for proving competences wrt contaminated land in 'step by step guide'
  - CPD



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# Contaminated Land Advice



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- Home > Membership and Chartership > Chartership and Professional > Information for Applicants
- <https://www.geolsoc.org.uk/~media/shared/documents/Fellowship/Chartership%20and%20Professional/Chartership%20Documents%20September%202014/Contaminated%20Land%20Guidance%202018.pdf?la=en>

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Having decided whether you are going to apply for CGeol or CSci (or both), the area of geoscience/science in which you are claiming competency, and selected your Sponsors, it is now time to start preparing your application.

The application you will submit consists of five main parts:

#### a) Application Form (AD1)

The Application Form consists of personal information, contact details, education record, and employment history. It needs a signature from your employer or line manager, confirming that your details are correct.

#### b) Professional Report (AD2)

The Professional Report should detail your professional development and focus on the Chartership criteria for the title applied for. It is particularly important that you describe how and when you gained the necessary experience and skills which you claim qualify you to become Chartered. You should refer to the relevant Supporting Documents in order to back up the claims made. It is very important that for each part of the report the relevant person signs off to confirm that what you claim is correct. It is your responsibility to explain what is involved to those who are not familiar with the process.

#### c) Competency Overview Form (AD3)

Your Competency Overview Form should be completed by addressing each criterion in turn and describing how you fulfil its requirements. Cross referencing to the Professional Report and Supporting Documents should be made where necessary.

#### d) CPD Record (AD4)

A record of at least your last year's CPD activities must be included with your application. Please use the Society's definitions of the various CPD categories. Your record should illustrate your aims and objectives for your professional development each year by using the Plan-Act-Reflect cycle. The record may be produced using the Society's on-line system although a company scheme record or a narrative one is acceptable.

#### e) Two Sponsor's Report Forms (AD5)

See [Step 6: Sponsors' Statements](#).

#### f) Supporting Documents (SD 1-6)

#### MORE INFORMATION

##### Application Forms

- [CGeol Application Form \(AD1\)](#)
- [CSci Application Form \(AD1\)](#)
- [CGeol Professional Report \(AD2\)](#)
- [CSci Professional Report \(AD2\)](#)
- [CGeol Competency Overview Form \(AD3\)](#)
- [CSci Competency Overview Form \(AD3\)](#)
- [CGeol CPD Record \(AD4\)](#)
- [CSci CPD Record \(AD4\)](#)
- [Application Form \(CGeol 20+ Years Route\)](#)
- [Application Form \(CSci 20+ Years Route\)](#)

##### Guidance Notes

- [Guidance for CSci Applicants](#)
- [Information for Applicants with 20+ Years' Experience](#)
- [Guidance for Engineering Geology Applicants](#)
- [Guidance for Applicants Working in Education](#)
- [Guidance for Hydrogeology Applicants](#)
- [Guidance for Near Surface Geophysics Applicants](#)
- [Guidance for Contaminated Land Applicants](#)
- [Guidance for Site Investigation Applicants](#)

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# Contaminated Land Advice



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## Chartership Guidance Notes for Land Contamination Specialists

The contaminated land industry provides a wide range of opportunities for geoscientists to apply and expand their geological knowledge and to develop other scientific areas such as in chemistry and biology. The Geological Society of London (GSL) recognises and embraces this diversity and aims to provide a natural home for all contaminated land geoscientists where they may gain professional qualifications, which in turn is important to the future health and success of the Society.

The GSL provides different paths to achieve professional status. This note provides updated guidance for people working in contaminated land to try and help them achieve the qualification of Chartered Geologist (CGeol), Chartered Scientist (CSci); or both.

To become chartered as a practising professional you must be able to demonstrate that you fulfil the qualifying criteria:

- For CGeol, there are geologically focused criteria as well as professional ones. You must show that you understand the complexities of geology and geological processes in time and space in relation to your speciality and that you are able to identify, collect, synthesise and evaluate geoscientific information to generate predictive models.
- For CSci, the criteria are more generically science focused. You must show your use of specialist experimental knowledge and broader scientific understanding, demonstrate your critical evaluation of scientific information and show how you exercise sound judgement.

Please refer to [RFP02 Criteria Procedure for Validation as a CGeol Agreed 27 November 2013](#) for an outline of requirements. Further guidance on how to demonstrate the competencies with respect to land contamination in the application form and professional report is given in the table below.

Competency	Generic Geol Soc guidance from RFP02 (Criteria Procedure)	Examples of how to demonstrate it
<b>I: Understanding of the complexities of geology and of geological processes in space and time in relation to the applicant's speciality.</b>	Applicants meeting this criterion will be able to demonstrate competence in the recognition and determination of basic geological processes in three and four dimensions, diagnosis of geological conditions, 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 ground models.	<p>This should be fairly easily to demonstrate by providing conceptual site models (CSM) produced by the applicant in the professional report and explaining how producing the CSM fulfils the criteria in the competency report.</p> <p>I.e. compiling data from published geological maps and borehole logs to produce a 3D model. A good CSM requires an understanding of the physical properties of the lithological layers and how they were formed and interact with/ form sources, pathways and receptors.</p> <p>Other useful evidence is provided by the applicant could include: the production of geological cross sections from borehole logs and geological maps.</p> <p>It is suggested that those candidates working in site investigation who do not usually write interpretive reports can support their application by researching the published geology of one or more site(s) they visit and build their own 3D conceptual site model. They can then supply extracts from field note books and other background sources and show how they</p>

### Appendix I: Chartered Scientist, CSci

The Geological Society is licensed by the Science Council to charter those who primarily practice as scientists. Please refer to [RFP11 Criteria Procedure for Chartered Scientist Agreed 25 November 2015](#) for the outline of requirements. General advice from the Science Council is available here: <http://sciencecouncil.org/scientists-science-technicians/support-with-my-application/>

Competency	Generic Science Council guidance	Example of how to demonstrate it
<b>A: Application of knowledge &amp; understanding</b> <b>A1: Use specialist experiential knowledge and broader scientific understanding to optimise the application of existing and emerging science and technology</b>	<p>You should provide sufficient detail here to show your specialist experiential knowledge and how you have applied it. Further to this, include any examples of where your broader scientific understanding is applied to your area of practice. Examples could include but are not limited to:</p> <ul style="list-style-type: none"> <li>• Writing and presenting internal papers, reports or standards</li> <li>• Conducting appropriate research to facilitate design and development of scientific processes</li> </ul>	<p>The candidate could explain how and why they use scientific equipment and principals when collecting or analysing data. What improvements have they made over time and why.</p> <p>Relevant external or internal guidance produced by the candidate to improve or standardise how experiments, data collection and/or data is analysed, e.g. in-house method standards for collecting samples from the field.</p> <p>An air quality status report or a remedial action plan considering data variations such as weather, roadworks, construction, etc.</p> <p>Undertaking a noise assessment considering data variations such as wind, temp, bird song, etc</p>
<b>A2: Exercise sound judgement in the absence of complete information and in complex or unpredictable situations</b>	<p>This competence is asking you to identify and be aware of the limit of your own knowledge and professional competence, to demonstrate an ability to manage your own strengths and weaknesses and to recognise the level of risk attached to your actions. Examples could include but are not limited to:</p> <ul style="list-style-type: none"> <li>• Considering when you have approached a piece of work or project flexibly and in a novel or different way, or reacted to an unexpected</li> </ul>	<p>At all stages of land contamination work, CLR 11 requires information to be reviewed with the following criteria in order to reduce uncertainty in risk assessment:</p> <p><b>Relevant</b> <b>Sufficient</b> <b>Reliable</b></p>

# CPD

- Simplified in 2017
- **plan** → **act** → **reflect** cycle
- Download a log book
- 90 hours of CPD for each year.
  - min. 30 hours On-the-Job-learning.
  - remaining 60 hours spread across at least 2 of the other 5 new CPD categories

# Geol Soc Chartership Application



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- Application Form (AD1)
- Professional Report (AD2)
- Overview of Criteria (AD3)
- CPD Records (AD4)
- Sponsors' Reports (AD5)
- Supporting documents (SD1-6)
- MSc equivalence report may be necessary for CSci



# Geol Soc Chartership - the Interview

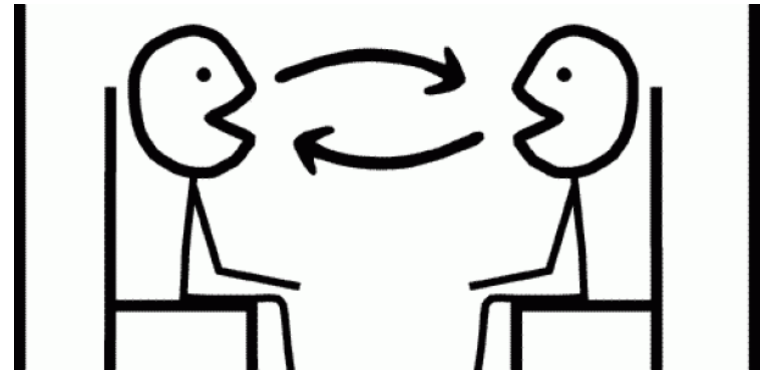
- Four rounds a year
- Try to find a location near to you
- Application fee £120



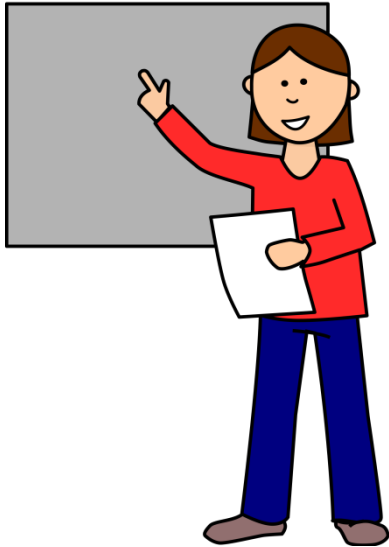
# Interview Format



- 15 minute (maximum) presentation.
- Questions covering all the Criteria.
- Be sure that you are au fait with all of the Submitted Documents, your work in those projects and your knowledge of the reasons for them.
- Be prepared to discuss examples of adherence to the Code of Conduct; Your responsibilities regarding H&S; Your planning of CPD; the boundaries of your competency.



# The Presentation



- Do not present on something that you have already submitted and which the Scrutineers have already read.
- Do not give a run through of your career/cv.
- Do find something that you are enthusiastic about and which you think demonstrates your competency.
- **Do make it interesting.**

# Scutineers

- These will be 2 people who have competency in the area for which you are claiming competency.
- Need to be sure that there is no conflict of interest with either.
- They are looking for evidence of your fulfilment of the Chartership requirements

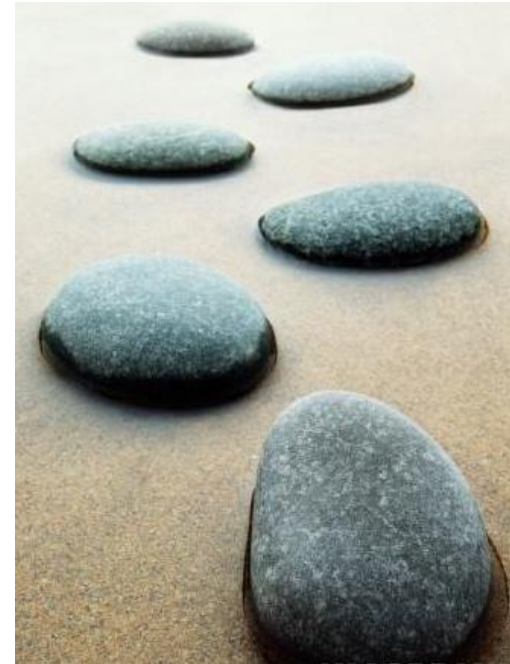


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# Next steps

- SoBRA (Society of Brownfield Risk Assessment)
- ROGEP (Register of Ground Engineering Professionals)
- SiLC (Specialist in Ground Contamination)
- CSCS (Construction Skills Certification Scheme)
- European Geologist



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