

Registered Scientist - explanatory notes on competencies

Application Tips

Here are some tips you should bear in mind when compiling your application:

- For each competence statement, you will need to give clear examples of the role that you play or the contribution that you made to a particular task or activity
- To provide you examples with sufficient depth, it might be useful to explain what you did, how you went about it, and why you did it.
- You may use the same task or activity more than once, but you should ensure you are clear on how it applies to the specific competence you are addressing
- Most of the example you provide should be fairly recent (in the last three years) but you can also draw on relevant experience further back in your career.

A) Application of Knowledge and Understanding

	Explanatory note
A1: Apply extended knowledge of underlying concepts and principles associated you're your area of work	Assessors will be looking for an example of how you have used your extended knowledge within the area in which you work. This will include developments within your field and the ability to understand and apply new developments to your area of work.
A2: Review, evaluate and apply underlying scientific concepts, principles and techniques in the context of new and different areas of work	Assessors will be looking evidence to demonstrate how you have taken techniques/principles and reviewed, evaluated and applied them in a new area of work.

<p>A3: Analyse, interpret and evaluate data, concepts and ideas and to propose solutions to problems</p>	<p>Assessors will be looking for an example of how you observe and interpret the results from your data to draw conclusions and inform your next steps. Your answer could include:</p> <ul style="list-style-type: none"> • Descriptions(s) of the methods and techniques you have used to analyse, interpret and evaluate your work. • Description(s) of how you have used the above to analyse a problem occurring in your area of work, and informed your next steps.
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B) Personal Responsibility

	Explanatory note
<p>B1: Work autonomously while knowing when to escalate appropriately and recognising limits of scope of practice</p>	<p>Assessors will be looking for evidence of how you work with no supervision for certain key tasks, experiments or procedures associated with your role within required timeframes. You will also be able to demonstrate your understanding of when you need to seek input from either your supervisor or others, and when to escalate.</p>
<p>B2: Take responsibility for safe and sustainable working practices and contribute to their evaluation and improvement</p>	<p>Assessors will be looking for an example of how you have taken responsibility for working safely and sustainably.</p>
<p>B3: Take responsibility for the quality of your work and also enable others to work to high standards</p>	<p>This means that you can show how you are aware of the quality standards necessary for the work being carried out by you and others. Assessors will be looking for an example of how you enable these standards and ensure that they are applied.</p>

C) *Interpersonal Skills*

	Explanatory note
C1: Demonstrate effective and appropriate communication skills	Assessors will be looking for examples that show you are an effective communicator. Examples can be through appropriate oral, written or electronic means.
C2: Demonstrate effective interpersonal and behavioural skills	Assessors are looking for an example that demonstrates the skills that you use to interact with colleagues in a constructive way within the work setting. In these situations it may be appropriate to discuss these with your supervisor, as an external perspective is often very useful in this regard
C3: Demonstrate productive working relationships and an ability to resolve problems	Assessors are looking for descriptions of how, when working with others, you are able to demonstrate that you developed positive working relationships and resolved the problem. Your example should demonstrate how those working relationships were effective in resolving problems.

D) Professional Practice

	Explanatory note
D1: Identify, review and select scientific techniques procedures and methods to undertake tasks	Assessors will be looking for evidence of where you had to undertake research to identify a new method, procedure or technique in your work. Please give example(s) of how you tackled the work and why the method, procedure or technique used was chosen as the best (or most relevant) to use.
D2: Contribute to the organisation of tasks and resources	Assessors will be looking for evidence of how you have contributed to the running of the laboratory/workshop/section or other types of working environment.
D3: Participate in the design, development and implementation of solutions	Assessors will be looking for an example of 'problem solving' that describes your specific role in helping to overcome a specific problem. For instance, it might mean that a process, programme, design, assay, or method suddenly stops working and you are involved in finding out the reason why. Your example should show what your role was in understanding the problem and what your contribution achieved.
D4: Contribute to continuous process improvement	<p>Assessor will be looking for an example which shows how you are aware of progress in your area and seek ways of improving the efficiency of your work. It should describe how you seek to discuss with your supervisor the strategy for achieving this. For instance, this could include new and improved methods, new ways to increase throughput, or ways to increase cost-effectiveness.</p> <p>Please describe your suggestion and why you thought it necessary, the strategy chosen, your overall role and the outcome of your suggestion.</p>

E) Professional Standards

	Explanatory note
E1: Comply with and promote relevant codes of conduct and practice	Assessors will be looking for evidence of the codes of conduct (e.g. your professional body) and practice relevant to your work area and how these are incorporated into your day to day work. For instance it may be compliance with Safety Laws (such as COSHH), GLP guidelines, Home Office Regulations, Environmental Regulations etc.
E2: Maintain and enhance competence in own areas of practice through professional development activity	Assessors will be looking for an example of an activity you have undertaken to enhance your competence in your own area of practice i.e. Continuing Professional Development (CPD) and reflect on its impact on you and others. They are not looking for a list of courses here but evidence of how your CPD benefits your practice and benefits others. Your CPD may include work-based learning, professional activity, formal/educational, self-directed learning. (Note registrants will need to comply with the Science Council CPD Standards)