

# PROFESSIONAL ENGINEER

## Summary Statement

These are the competency Units and Elements. These elements must be addressed in the Summary Statement (see Section C). If you are applying for assessment as a Professional Engineer, you will need to download this page, complete it and lodge it with your application.

Competency Element	A brief summary of how you have applied the element	Paragraph number in the career episode(s) where the element is addressed
<b>PE1 KNOWLEDGE AND SKILL BASE</b>		
PE1.1 Comprehensive, theory-based understanding of the underpinning natural and physical sciences and the engineering fundamentals applicable to the engineering discipline	I managed to conduct decent research in the tenure of the project mainly for the purpose of obtaining the desired project results.	CE 1.1, CE 1.3, CE 2.3, CE 2.6, CE 3.4, CE 3.7
PE1.2 Conceptual understanding of the mathematics, numerical analysis, statistics and computer and information sciences which underpin the engineering discipline	I applied in-depth research with the consideration of numerous factors and these factors linked with the numerical analysis for achieving the needed project results.	CE 1.4, CE 1.6, CE 2.8, CE 3.4, CE 3.11
PE1.3 In-depth understanding of specialist bodies of knowledge within the engineering discipline	I conducted decent research with the adequate in-depth understanding made with the usage of the biomedical engineering knowledge.	CE 1.7, CE 2.6, CE 2.9, CE 3.9
PE1.4 Discernment of knowledge development and research directions within the engineering discipline	I divided the project into various sections and obtained the research directions adequately using the biomedical engineering concepts.	CE 1.9, CE 2.4, CE 2.11, CE 3.12
PE1.5 Knowledge of contextual factors impacting the engineering discipline	I worked on various contextual factors with the utilization of the technical knowledge mainly for attaining the technical results linked with the project.	CE 1.11, CE 2.8, CE 2.10, CE 3.10
PE1.6 Understanding of the scope, principles, norms, accountabilities and bounds of contemporary engineering practice in the specific discipline	I worked on understanding the scope related to the project with the norms and principles selected based on the field of biomedical engineering.	CE 1.8, CE 1.10, CE 2.9, CE 3.7, CE 3.8
<b>PE2 ENGINEERING APPLICATION ABILITY</b>		
PE2.1 Application of established engineering methods to complex engineering problem solving	I conducted adequate establishment of the complex problem solving method when addressing the technical concerns linked with the project.	CE 1.3, CE 1.6, CE 2.6, CE 3.6, CE 3.9
PE2.2 Fluent application of engineering techniques, tools and resources	I implemented adequate engineering methodology with the usage of the tools	CE 1.4, CE 1.8, CE 2.6, CE 3.4, CE 3.7

	and resources linked with the biomedical engineering understanding.	
PE2.3 Application of systematic engineering synthesis and design processes	I worked on the systematic engineering concepts usage with the adequate design practices followed in the project tenure.	CE 1.8, CE 1.9, CE 2.7, CE 3.12
PE2.4 Application of systematic approaches to the conduct and management of engineering projects	I conducted research related to various factors and engineering project was managed with the implementation of the biomedical engineering concepts.	CE 1.10, CE 1.11, CE 2.9, CE 2.12, CE 3.11
<b>PE3 PROFESSIONAL AND PERSONAL ATTRIBUTES</b>		
PE3.1 Ethical conduct and professional accountability	I worked on the project while maintaining the ethical conduct in the project under the project supervisor's assistance.	CE 1.3, CE 1.6, CE 2.1, CE 2.3, CE 3.4, CE 3.6
PE3.2 Effective oral and written communication in professional and lay domains	I maintained the adequate communication skills in the project mainly for the purpose of achieving the project related results.	CE 1.9, CE 1.11, CE 2.11, CE 3.9, CE 3.11
PE3.3 Creative innovative and proactive demeanour	I carried out the creative innovative demeanour in the project for successfully addressing various concerns raised in the project.	CE 1.3, CE 1.8, CE 2.6, CE 3.4, CE 3.12
PE3.4 Professional use and management of information	I applied professional utilization of various project related concepts with the information management tactics which worked well in the biomedical engineering domain.	CE 1.4, CE 1.9, CE 2.6, CE 3.7
PE3.5 Orderly management of self, and professional conduct	I implemented the self-management skills in the project and achieved the objectives using the technical engineering knowledge.	CE 1.6, CE 1.8, CE 2.7, CE 3.8, CE 3.10
PE3.6 Effective team membership and team leadership	I worked under the project supervisor's guidance and maintained the leadership skills adequately in the project.	CE 1.12, CE 2.9, CE 2.11, CE 3.9