Name: Student Number:

* Use the table below to show where you have claimed you have met each Stage 1 competency by inserting an “X” into the correct column. For example, I have placed an “X” in the combination of Competency 1.1 and Practice Report #1 to show that I claimed this competency in that report.
* Note that you must have claimed **ALL** 16 Stage 1 competencies at least once, and you can claim the same competency in more than one professional practice report. It is unlikely that you will claim meeting all 16 Stage 1 competencies in the same professional practice report, but you should be able to demonstrate meeting all 16 competencies over the set of 2-3 professional practice reports.
* **Remember:** You will need to have a TOTAL of 2500 words across the set of 2-3 practice reports, and at least one of your professional practice reports MUST be based around **Category A** engineering-related work experience.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Engineers Australia Stage 1 Competencies Overview | | Practice Report | | |
| **Section 1. Knowledge and Skill base** | | #1 | #2 | #3 |
| 1.1 | **Comprehensive, theory-based understanding** of the underpinning natural and physical sciences and the engineering fundamentals applicable to the engineering discipline. | *X* |  |  |
|  | **Conceptual understanding** of the mathematics, numerical analysis, statistics, and computer and information sciences which underpin the engineering discipline |  |  |  |
| 1.3 | **In-depth understanding** of specialist bodies of knowledge within the engineering discipline. |  |  |  |
| 1.4 | **Discernment** of knowledge development and research directions within the engineering discipline. |  |  |  |
| 1.5 | **Knowledge** of engineering design practice and contextual factors impacting the engineering discipline. |  |  |  |
| 1.6 | **Understanding** of the scope, principles, norms, accountabilities and bounds of sustainable engineering practice in the specific discipline. |  |  |  |
| **Section 2. Engineering Application Ability** | |  |  |  |
| 2.1 | **Application** of established engineering methods to complex engineering problem solving. |  |  |  |
| 2.2 | **Fluent application** of engineering techniques, tools and resources. |  |  |  |
| 2.3 | **Application** of systematic engineering synthesis and design processes. |  |  |  |
| 2.4 | **Application** of systematic approaches to the conduct and management of engineering projects. |  |  |  |
| Section 3. Professional and Personal Attributes | |  |  |  |
| 3.1 | **Ethical** conduct and professional accountability. |  |  |  |
| 3.2 | **Effective** oral and written communication in professional and lay domains. |  |  |  |
| 3.3 | **Creative**, innovative and pro-active demeanour. |  |  |  |
| 3.4 | **Professional** use and management of information. |  |  |  |
| 3.5 | **Orderly** management of self, and professional conduct. |  |  |  |
| 3.6 | **Effective** team membership and team leadership. |  |  |  |

**Helpful Guidelines**

Please ensure you have read the instructions and information in the task documentation on PebblePad so you can complete this task successfully.

* **Writing about experiences in an engineering-related work environment**

**If you are writing a professional practice report about an experience in an engineering-related work environment (Category A, B or C)**, you will need to list the name of the organisation/company where you worked, the location of the organisation, your supervisor, the dates when you worked there, your title / brief description of your role, and the category. You can use the following header to do so. **Remember that at least one of your professional practice reports MUST be based around Category A engineering-related work experience.**

Work Experience Header

|  |  |
| --- | --- |
| Organisation | *(insert name of organisation or company)* |
| Location | *(what city/where you were based when working for the organisation/company)* |
| Supervisor | *(include the name of your supervisor)* |
| Dates | *(include the date range for when you worked there), e.g. Nov 2, 2019 to Feb 5, 2020* |
| Title/Role | *(your title – e.g. undergraduate power systems intern)*  *(or if you didn’t have a title, you can briefly describe your role in a sentence or two)* |
| Category | *(what is the category of this experience)* |

* **Writing about experiences in a course**

**If you are writing a professional practice report related to a course experience**, you will need to include the course code, the course name, the trimester you took the particular course, and the name of the course convenor at the time you took the course. **If necessary, you can include a maximum of ONE professional practice report related to an experience in an engineering course (that is not work experience).**

Course Experience Header

|  |  |
| --- | --- |
| Course Code + Name | *(insert the course code and course name, e.g. 6XXXENG Amazing Engineering Course* |
| Trimester | *(insert the trimester you did the course, e.g. Tri 1, 2025)* |
| Convenor | *(include the name of your course convenor, e.g. Mr. James Dyson)* |
| Role | *(you can briefly describe your role in a sentence or two)* |

* **Help! I need more than 3 professional practice reports to meet all 16 competencies**

If you find that you need more than 3 professional practice reports, please contact the course convenor for advice.

**Professional Practice Report #1**

*(Copy and insert the relevant header here)*

|  |  |
| --- | --- |
| **Description** | **Competency Claimed** |
| (You should start with some introductory background to help the reader understand what you were doing at the organisation, your role, the engineering project you were working on etc). | Introduction |
| (in section, you should describe what YOU did, and you will need to link it to a suitable competency.). | (competency claimed, e.g. 3.4 Professional use and management of information) |
| (add extra row for each competency you are claiming) | (competency claimed) |
| (You should finish with a conclusion) | Conclusion (and competency if you wish to claim one) |

**Word Count:** (insert the word count here. Do not count the words in the “Competency Claimed Column”).

**Professional Practice Report #2**

*(Copy and insert the relevant header here)*

|  |  |
| --- | --- |
| **Description** | **Competency Claimed** |
| (You should start with some introductory background to help the reader understand what you were doing at the organisation, your role, the engineering project you were working on etc). | Introduction |
| (in section, you should describe what YOU did, and you will need to link it to a suitable competency.). | (competency claimed, e.g. 3.4 Professional use and management of information) |
| (add extra row for each competency you are claiming) | (competency claimed) |
| (You should finish with a conclusion) | Conclusion (and competency if you wish to claim one) |

**Word Count:** (insert the word count here. Do not count the words in the “Competency Claimed Column”).

**Professional Practice Report #3 (use if needed)**

*(Copy and insert the relevant header here)*

|  |  |
| --- | --- |
| **Description** | **Competency Claimed** |
| (You should start with some introductory background to help the reader understand what you were doing at the organisation, your role, the engineering project you were working on etc). | Introduction |
| (in section, you should describe what YOU did, and you will need to link it to a suitable competency.). | (competency claimed, e.g. 3.4 Professional use and management of information) |
| (add extra row for each competency you are claiming) | (competency claimed) |
| (You should finish with a conclusion) | Conclusion (and competency if you wish to claim one) |

**Word Count:** (insert the word count here. Do not count the words in the “Competency Claimed Column”).