Please complete the following charts to provide additional evidence for your case-by-case (CBC) exception request.

**Diagnostic Chart**

Complete this diagnostic comparison chart using your diagnostic results for each of your content exam attempts. Replace “Date” with the date listed on your diagnostic result and fill in each domain/competency column with the percentage of questions passed for each attempt listed on your diagnostic report. At the bottom of each column, enter the score you received for that date’s content exam attempt. If you need additional columns, please use [this document](https://education.wsu.edu/documents/2024/05/diagnostic-report-additional-columns-nes-chemistry.docx).

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Exam Attempts** | | | | |
| **Domain/Competency** | Date | Date | Date | Date | Date |
| 0001 Scientific inquiry | % | % | % | % | % |
| 0002 History and nature of science | % | % | % | % | % |
| 0003 Science, technology, engineering, mathematics, and society | % | % | % | % | % |
| 0004 Properties of matter | % | % | % | % | % |
| 0005 Atomic theory and the periodic table | % | % | % | % | % |
| 0006 Kinetic molecular theory, phase changes, and gas laws | % | % | % | % | % |
| 0007 Thermodynamics and calorimetry | % | % | % | % | % |
| 0008 Chemical bonding, chemical reactions, and physical processes | % | % | % | % | % |
| 0009 Nomenclature and structure of inorganic and organic compounds | % | % | % | % | % |
| 0010 Chemical bonding, intermolecular forces and properties of substances | % | % | % | % | % |
| 0011 Nature of chemical reactions | % | % | % | % | % |
| 0012 Principles of chemical equilibrium | % | % | % | % | % |
| 0013 Acid-base chemistry | % | % | % | % | % |
| 0014 Oxidation-reduction reactions and electrochemistry | % | % | % | % | % |
| 0015 Mole concept | % | % | % | % | % |
| 0016 Stoichiometry | % | % | % | % | % |
| 0017 Solutions and colloidal suspensions | % | % | % | % | % |
| **Total Exam Score** | Total Score | Total Score | Total Score | Total Score | Total Score |

\*\*You are considered to have passed a domain/competency if you score above 70% two or more times.

**Competency Chart**

Use the [PESB competencies affiliated with each domain](https://www.pesb.wa.gov/preparation-programs/standards/endorsement-competencies/) to match your coursework, grades, and assignments/projects/experiences/etc. with the domain/competency listed.

**\*Evidence should be a description of your experience, assignment, project, exam, test, paper, portfolio, or some such evidence from the course(s) listed that specifically details how you learned the content.\***

\*\*If you have consistently scored a passing score on an exam component (above 70%; this can be found on your Diagnostic Report) you can indicate that as an area where you have shown proficiency.

***Nature of Science***

Chemistry NES Domain/Competency: **0001 Understand principles and procedures of scientific inquiry.**

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| Course(s): | Grade(s) on Assignment(s): |
| Click or tap here to enter text. | Click or tap here to enter text. |
| \*Evidence: | |
| Click or tap here to enter text. | |

Chemistry NES Domain/Competency: **0002 Understand the history and nature of science.**

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| Course(s): | Grade(s) on Assignment(s): |
| Click or tap here to enter text. | Click or tap here to enter text. |
| \*Evidence: | |
| Click or tap here to enter text. | |

Chemistry NES Domain/Competency: **0003 Understand the relationships among science, technology, engineering, mathematics, and society.**

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| Course(s): | Grade(s) on Assignment(s): |
| Click or tap here to enter text. | Click or tap here to enter text. |
| \*Evidence: | |
| Click or tap here to enter text. | |

***Matter and Atomic Structure***

Chemistry NES Domain/Competency: **0004 Understand the properties of matter.**

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| Course(s): | Grade(s) on Assignment(s): |
| Click or tap here to enter text. | Click or tap here to enter text. |
| \*Evidence: | |
| Click or tap here to enter text. | |

Chemistry NES Domain/Competency: **0005** **Understand atomic theory and the periodic table.**

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| Course(s): | Grade(s) on Assignment(s): |
| Click or tap here to enter text. | Click or tap here to enter text. |
| \*Evidence: | |
| Click or tap here to enter text. | |

Chemistry NES Domain/Competency: **0006 Understand the kinetic molecular theory, the nature of phase changes, and the gas laws.**

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| Course(s): | Grade(s) on Assignment(s): |
| Click or tap here to enter text. | Click or tap here to enter text. |
| \*Evidence: | |
| Click or tap here to enter text. | |

***Energy and Chemical Bonding***

Chemistry NES Domain/Competency: **0007 Understand the principles of thermodynamics and calorimetry.**

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| Course(s): | Grade(s) on Assignment(s): |
| Click or tap here to enter text. | Click or tap here to enter text. |
| \*Evidence: | |
| Click or tap here to enter text. | |

Chemistry NES Domain/Competency: **0008 Understand energy relationships in chemical bonding, chemical reactions, and physical processes.**

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| Course(s): | Grade(s) on Assignment(s): |
| Click or tap here to enter text. | Click or tap here to enter text. |
| \*Evidence: | |
| Click or tap here to enter text. | |

Chemistry NES Domain/Competency: **0009 Understand the nomenclature and structure of inorganic and organic compounds.**

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| Course(s): | Grade(s) on Assignment(s): |
| Click or tap here to enter text. | Click or tap here to enter text. |
| \*Evidence: | |
| Click or tap here to enter text. | |

Chemistry NES Domain/Competency: **0010 Understand chemical bonding and intermolecular forces and their effect on the properties of substances.**

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| Course(s): | Grade(s) on Assignment(s): |
| Click or tap here to enter text. | Click or tap here to enter text. |
| \*Evidence: | |
| Click or tap here to enter text. | |

***Chemical Reactions***

Chemistry NES Domain/Competency: **0011 Understand the nature of chemical reactions.**

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| Course(s): | Grade(s) on Assignment(s): |
| Click or tap here to enter text. | Click or tap here to enter text. |
| \*Evidence: | |
| Click or tap here to enter text. | |

Chemistry NES Domain/Competency: **0012 Understand the principles of chemical equilibrium.**

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| Course(s): | Grade(s) on Assignment(s): |
| Click or tap here to enter text. | Click or tap here to enter text. |
| \*Evidence: | |
| Click or tap here to enter text. | |

Chemistry NES Domain/Competency: **0013 Understand acid-base chemistry.**

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| Course(s): | Grade(s) on Assignment(s): |
| Click or tap here to enter text. | Click or tap here to enter text. |
| \*Evidence: | |
| Click or tap here to enter text. | |

Chemistry NES Domain/Competency: **0014 Understand oxidation-reduction reactions and electrochemistry.**

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| Course(s): | Grade(s) on Assignment(s): |
| Click or tap here to enter text. | Click or tap here to enter text. |
| \*Evidence: | |
| Click or tap here to enter text. | |

***Stoichiometry and Solutions***

Chemistry NES Domain/Competency: **0015 Understand the mole concept.**

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| Course(s): | Grade(s) on Assignment(s): |
| Click or tap here to enter text. | Click or tap here to enter text. |
| \*Evidence: | |
| Click or tap here to enter text. | |

Chemistry NES Domain/Competency: **0016 Understand stoichiometry.**

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| Course(s): | Grade(s) on Assignment(s): |
| Click or tap here to enter text. | Click or tap here to enter text. |
| \*Evidence: | |
| Click or tap here to enter text. | |

Chemistry NES Domain/Competency: **0017 Understand the properties of solutions and colloidal suspensions.**

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| Course(s): | Grade(s) on Assignment(s): |
| Click or tap here to enter text. | Click or tap here to enter text. |
| \*Evidence: | |
| Click or tap here to enter text. | |