**Amarillo College Curriculum Map Template**

**Division:** Physical Sciences **Degree/Academic Program(s)**: Chemistry (CHEM.AS)  
**Person Responsible for Division**: Dan Ferguson, Dean  
**Component Director/Chair**: Collin Witherspoon  
**Submission Date**: Fall 2015  
**Purpose Statement**: The Chemistry Department is dedicated to providing students with a sound foundation in chemistry in order to successfully complete a bachelor’s degree at a transfer university or college.

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| 1. **Goal #1:** To graduate students who will be knowledgeable in the basics of chemistry and prepared for further study at a university. | | | |
| **Program-Specific Courses** | **PLO #1:**  Students will be able to correctly use chemical names and formulas. | **PLO #2:**  Students will write and understand various types of chemical reactions. | **PLO #3:**  Students will be able to read and understand the chemical literature. |
| **CHEM 1311** | **I,D** | **I,D** |  |
| **CHEM 1111** | **I,D** | **I,D** |  |
| **CHEM 1312** | **D** |  | **I** |
| **CHEM 1112** |  |  |  |
| **CHEM 2423** | **D** | **D** | **D** |
| **CHEM 2425** | **M** | **D,M** | **M** |

**I = Introduced; D = Developed & Practiced with Feedback; M = Demonstrated at Mastery**

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| 1. **Goal #2:** To graduate students with the skills to work successfully in the laboratory. | | |
| **Program-Specific Courses** | **PLO #1:**  Students will perform experiments using proper safety protocols. | **PLO #2:**  Students will perform experiments and analyze results. |
| **CHEM 1311** |  |  |
| **CHEM 1111** | **I** | **I** |
| **CHEM 1312** |  |  |
| **CHEM 1112** | **D** | **D** |
| **CHEM 2423** | **D** | **D** |
| **CHEM 2425** | **M** | **M** |

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