**Amarillo College Curriculum Map Template**

**Division:** STEM **Degree/Academic Program(s):** Pre-Nursing (RNSG.AS) **Person Responsible for Division:** Dan Ferguson, Dean **Component Director/Chair:** Claudie Biggers **Submission Date:** December 2, 2015

**Purpose Statement:** The mission of the Pre Nursing A.S. degree is to provide students with the first two years of the curriculum leading to successful completion of an A.D.N. program. Allow students to utilize course content to critically interpret foundational knowledge and promote an appreciation of scientific inquiry that is relevant to providing optimum healthcare within our community.

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| **Goal #1: To graduate students with the ability to apply critical thinking and scientific problem-solving skills in the classroom. Outcomes including but not limited to, inquiring, synthesizing and summarizing, to make decisions, recommendations and predictions.** | | | | |
| **Program-Specific Courses** | **Course Name** | **PLO #1:**  **Use critical thinking and scientific problem-solving to make informed decisions in laboratory.** | **PLO #2:**  **Apply scientific reasoning to investigate questions and utilize scientific tools such as microscopes and laboratory equipment to collect and analyze data.** | **PLO #3:**  **Student will communicate effectively the results of scientific investigations.** |
| **SCIT 1307** | **Pre AP** | **I** | **I** | **I** |
| **BIOL 2421** | **Microbiology M** | **ID** | **ID** | **ID** |
| **BIOL 2401** | **AP 1** | **ID** | **ID** | **ID** |
| **BIOL 2402** | **AP 2** | **ID** | **M** | **M** |

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

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| **Goal #2: To graduate students who can demonstrate their knowledge of the steps involved in scientific method. Outcomes include: communicating results of scientific investigations, analyzing data and formulating conclusions.** | | | | |
| **Program-Specific Courses** | **Course Name** | **PLO #1:**  **Demonstrate the steps involved in the scientific method.** | **PLO #2:**  **Communicate results of scientific investigations, analyze data and formulate conclusions.** | **PLO #3:**  **Explain the methods of inquiry used by health professionals.** |
| **SCIT 1307** | **Pre AP** | **I** | **I** | **I** |
| **BIOL 2421** | **Microbiology M** | **M** | **M** | **M** |
| **BIOL 2401** | **AP 1** | **ID** | **ID** | **I** |
| **BIOL 2402** | **AP 2** | **D** | **D** | **I** |

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| **Goal #3: Graduates will have the skills to analyze and assimilate course materials in order to formulate objective conclusions.**  **Objective is for students to demonstrate mastery of 70% of our objectives outlined in the ACGM.** | | | | |
| **Program-Specific Courses** | **Course Name** | **PLO #1:**  **Demonstrate understanding of core biological concepts.** | **PLO #2:**  **Communicate results of scientific investigations, analyze data and formulate conclusions.** | **PLO #3:**  **Use critical thinking and scientific problem-solving to make informed decisions within their professional careers.** |
| **SCIT 1307** | **Pre AP** | **I** | **I** | **I** |
| **BIOL 2421** | **Microbiology M** | **D** | **D** | **D** |
| **BIOL 2401** | **AP 1** | **ID** | **ID** | **ID** |
| **BIOL 2402** | **AP 2** | **D** | **M** | **M** |

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