Academic Program Assessment Plan – AAS Fire Science

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| **Division/****Department** |  **Arts and Applied Technologies/****Dept of Emergency Medical Services** | **Degree/Type** | **AAS** | **Date Submitted** | April 17, 2017 |
| **UNM Essential Learning Goals** |
| UNM has established the following essential learning goals for all UNM students: University of New Mexico students will develop the following aptitudes and habits of mind in the course of their general and major study at UNM* KNOWLEDGE of human cultures and the natural world, gained through study in the sciences and mathematics, social sciences, humanities, histories, languages and the arts.
* SKILLS, both intellectual and applied, demonstrated in written and oral communication, inquiry and analysis, critical and creative thinking, quantitative literacy, information literacy, performance, teamwork and problem solving.
* RESPONSIBILITY, both personal and social, that will be manifested in civic knowledge and engagement, multicultural knowledge and competence, ethical reasoning and action, and foundations and skills for lifelong learning.
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| **Assessment Cycle (1-year/2-year/3-year)** |  2-year degree plan cycle/ Assess yearly |
| **Program Goal #1** | **Graduates will have a broad knowledge of the role and application of fire science principles and procedures for entry into a career in public fire departments, ambulance services, and fire protection manufacturing and research groups.**  |
| **Student Learning Outcomes****(In each row enter an SLO targeted at this Program Goal)** | **Year of cycle in which this outcome will be assessed.** | **UNM Essential Learning Goal (Knowledge, Skills, Responsibility)** | **Assessment Measure including Direct/ Indirect (Provide a description of the assessment instrument used; include the course AND if it was direct or indirect)** | **Performance Benchmark (State the ‘criteria for success’ or performance target for meeting the SLO, i.e., at least 70% of students will perform with score of 70 or better)** |
| **Student Learning Outcome** | **Year of Cycle** | **UNM Essential Learning Goal** | **Assessment Measure** | **Performance Benchmark** |
| Students will be able to demonstrate fire and emergency services safety and survival. | Year 1 courseAssessed yearly | SkillsResponsibility  | Course: **FISC 105: Principles of Fire and Emergency Services Safety and Survival** Direct Assessment: Students will have a final exam; the assessment will tally key exam questions the reflect SLOs from the UNM-LA Fire Science SLOs for the course. The instructor for this course will submit a report for this course.. | Performance Target: At least 75% of the students will Meet Expectations for each SLO. |
| Students will be able to demonstrate basic fire prevention and protection techniques.  | Year 1 courseAssessed yearly | KnowledgeSkills | Course: **FISC 106: Fire Behavior and Combustion**Direct Assessment: Students will have a final project; the assessment will tally key exam questions the reflect SLOs from the UNM-LA Fire Science SLOs for the course. The instructor for this course will submit a report for this course. | Performance Target: At least 75% of the students will Meet Expectations for each SLO. |
| Students will be able to execute building construction for fire prevention.  | Year 2 courseAssessed Odd Fall semesters | Skills | Course: **FISC 212: Building Construction for Fire Prevention**Direct Assessment: Students will have a final exam; the assessment will tally key exam questions the reflect SLOs from the UNM-LA Fire Science SLOs for the course. The instructor for this course will submit a report for this course | Performance Target: At least 75% of the students will Meet Expectations for each SLO. |
| **Program Goal #2** | **Graduates will possess knowledge and understanding of the information and training required to work at the officer level in the fire sciences.**  |
| Students will be able to identify and explain administrative issues and components in the field of fire science.  | Year 1 courseAssessed yearly | Responsibility | Course: **FISC 101: Principles of Emergency Services**Direct Assessment: Students will have a final exam; the assessment will tally key exam questions the reflect SLOs from the UNM-LA Fire Science SLOs for the course. The instructor for this course will submit a report for this course | Performance Target: At least 75% of the students will Meet Expectations for each SLO. |
| **Program Goal #3** | **Graduates will have a foundation for effective written and oral communications and for understanding human behavior and cultures.**  |
| Students will demonstrate factual knowledge and theoretical principles of human behavior, and apply this knowledge, in writing, to show how the principles explain their interactions and roles in culture and society. | Year 1 courseAssessed yearly | KnowledgeSkills | **Course: PSY 105: General Psychology**Direct Assessment: Students will have a final exam and short writing; the assessment will tally key exam questions and the essay will be assessed using a rubric that evaluated UNM/HED Common SLOs for this course. The instructor for this course will submit to the General Studies Department a report for this course.  | Performance Target: At least 75% of the students will Meet Expectations for each SLO. |
| Students will demonstrate, in writing and presentations, the ability to identify and write for a variety of rhetorical contexts of professional writing situations. | Year 2 courseAssessed yearly | Skills Responsibility | **Course: English 219: Technical Writing**Direct Assessment: Student final paper assignment will be panel assessed using a rubric that assess for UNM/HED Common SLOs. The Communications Department will submit a report for this course. | Performance Target: At least 75% of the students will Meet Expectations for each SLO. |