Academic Program Assessment Plan – AAS Information Technology

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| **Division/**  **Department** | MATH, SCIENCE AND PRE-ENGINEERING  Dept of IT | | | **Degree/Type** | | **AAS** | | | **Date Submitted** | April 7, 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. | | | | | | | | | | | | |
| **Contact Person (name, title, email)** | | Irina Alvestad, Division Head of Math, Science, and Pre-Engineering [irina@unm.edu](mailto:irina@unm.edu) | | | | | | Date reviewed by CARC | | | April 10, 2017 | |
| **Assessment Cycle (1-year/2-year/3-year)** | | 2 year program—assessed yearly | | | | | | | | | | |
| **Program Goal #1** | | **Graduates have a broad understanding of information technology principles and risks.** | | | | | | | | | | |
| **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** |
| Demonstrate an understanding of introductory networking concepts and techniques. | | | Year 1 Course  (offered yearly) | | Knowledge  Skills | | Course: **IT 119: Networking Core Concepts**  Direct Assessment:  Specific questions on the Final Exam will be used to assess UNM-LA IT Department SLOs.  Faculty members will submit a summary and detailed report for each of these measures. | | | | | Performance Target: At least 75% of the students will Meet Expectations for each SLO. |
| Students will develop and practice the skills to assist others with computer related questions and working a help desk. | | | Year 1 course  (0ffered yearly) | |  | | Course: **IT 141: Technical Support**  Direct Assessment:   1. Specific questions on the Final Exam will be used to assess UNM-LA IT Department SLOs. 2. Specific tasks manning a help desk assisting users will be assessed using a course rubric that evaluates UNM-LA IT Department SLOs.   Faculty members will submit a summary and detailed report for each of these measures. | | | | | Performance Target: At least 70% of the students will perform with a score of 70 or higher. |
| Students will install and deploy operating systems to support an organization’s IT infrastructure. | | | Year 2 course  (offered yearly) | | Skills | | Course: **IT 130: Microcomputer Operating Systems**  Direct Assessment:  Specific questions on the Final Exam will be used to assess UNM-LA IT Department SLOs.  Faculty members will submit a summary and detailed report for each of these measures. | | | | | Performance Target: At least 70% of the students will perform with a score of 70 or higher. |
| Students will learn and perform step-by-step approach used in computer/network attacks. | | | Year 2 course  (Offered yearly) | | Knowledge  Skills  Responsibility | | Course: **IT 260: Information Assurance and Security**  Direct Assessment:  Specific questions on the Final Exam will be used to assess UNM-LA IT Department SLOs.  Faculty members will submit a summary and detailed report for each of these measures. | | | | | Performance Target: At least 70% of the students will perform with a score of 70 or higher. |
| Students will analyze and solve systems protection and practice the foundations of how to respond to incidents | | | Year 2 course  (Offered yearly | | Knowledge  Skills  Responsibility | | Course: **IT 265: Forensics and Incident Response**  Direct Assessment:  Specific questions on the Final Exam will be used to assess UNM-LA IT Department SLOs.  Faculty members will submit a summary and detailed report for each of these measures. | | | | | Performance Target: At least 70% of the students will perform with a score of 70 or higher. |