**Date:** 3/5/15 **Name of Administrative or Educational Support Unit:** Cisco Systems Computer Networking AAS Degree

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**Mission:**

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| The mission of the Cisco Systems Computer Networking AAS degree program is to prepare graduates capable of designing and installing secure network systems based on customer requirements, monitor and maintain network traffic and security, and maintain network hardware and software on Cisco networks professionally. |

**PART I: Might not change from year to year**

| A. Outcomes(s)  Results expected in this department/program | B. Measure(s)  The instrument or process used to measure results | C. Target(s) The level of success expected |
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| 1. Demonstrate proficiency in Wide Area Networks. (ITCC 2310/2372 -CCNA 4). | Final Written and Skills Exam in ITCC 2310 | Appropriate Rubric (Min. 70% on Assessment) |
| 2. Demonstrate CyberSecurity policy proficiency skills learned throughout the course by successfully developing a Security Policy for a small business (20 or less employees). (ITSY 2300- Operating System Security) | Final Project in ITSY 2300 | Appropriate Rubric (Min. 70% on Assessment) |
| 3. Demonstrate proficiency in configuration, implementation, maintenance, and troubleshooting methodologies used in CISCO Routing and Switching Technology. (ITCC 2473/2356 - CCNP TSHOOT). | Final Written and Skills Exam in ITCC 2473 | Appropriate Rubric (Min. 70% on Assessment) |
| 4. Demonstrate competence in best security practices of CISCO Routing and Switching for Enterprise and Small Businesses including VPN’s, configurations of Firewalls. (ITCC 2470/2370 – Cisco CCNA Security) | Final and Skills Exam in ITCC 2470 | Appropriate Rubric (Min. 70% on Assessment) |
| 5. Demonstrate proficiency in computer Network Design including routing and switching and security. (ITNW 2474/2374 - Advanced Computer Networking Case Study) | Final Project and Assessment Exam in ITNW 2474 | Appropriate Rubric (Min. 70% on Assessment) |

**PART II: For academic year (enter year i.e. 2011-12)**

**From Part I**

| A. Outcomes(s)  Results expected in this department/program | D. Action Plan Years 5 & 2  Based on analysis of previous assessment, create an action plan and include it here in the row of the outcomes(s) it addresses. | E. Implement Action Plan  Years 1 & 3  Implement the action plan and collect data | F. Data Results Summary  Years 2 & 4  Summarize the data collected | G. Findings  Years 2 & 4  What does data say about outcome? |
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| 1. Demonstrate proficiency in Wide Area Networks. (ITCC 2310/2372 -CCNA 4). | Computer Networking faculty have chosen NOT to continue using computerized exams for CCNA courses. The faculty will be preparing written mid-term exams and written final exams as a collective group to issue to students. This will serve to provide graded/assessed feedback to students about mid-way through the course, providing students with feedback earlier than the end of the term. |  | Fall 2012, Spring 2013, and Summer 2013: Skills Test- 74 out of 78 met std.  Average= 89.0, High= 100, Low= 0  Final- 74 out of 78 met std. Average= 83.8, High= 100, Low= 60.4  ---------------------------------  Fall 2013, Spring 2014, and Summer 2014: Skills Test- 83 out of 91 met std.  Average= 84.1, High= 100, Low= 0  Final- 84 out of 91 met std. Average= 79.4, High= 100, Low= 0 | 2012-2013 Academic Year: Students met standard.  2013-2014 Academic Year: Students met standard. |
| 2. Demonstrate CyberSecurity policy proficiency skills learned throughout the course by successfully developing a Security Policy for a small business (20 or less employees). (ITSY 2300- Operating System Security) |  |  | Fall 2012: 25 out of 29 met standard Average: 76.72 High: 100, Low: 0  Spring 2013: 22 out of 26 met standard Average: 86.53 High: 100, Low: 0  -----------------------------------  Fall 2013: Section #1- 20 out of 28 met standard Average: 72 High: 100, Low: 0  Section #2- 17 out of 25 met standard Average: 71 High: 100, Low: 0  Spring 2014: 15 out of 20 met standard Average: 73 High: 100, Low: 0 | 2012-2013 Academic Year: Students met standard.  2013-2014 Academic Year: Students met standard. |
| 3. Demonstrate proficiency in configuration, implementation, maintenance, and troubleshooting methodologies used in CISCO Routing and Switching Technology. (ITCC 2473/2356 - CCNP TSHOOT). |  |  | Spring 2013: Skills Test- 14 out of 14 met std. Average= 92.8, High= 100, Low= 70  Final- 14 out of 14 met std. Average= 85.2, High= 93, Low= 70  --------------------------------  Fall 2013- Skills Test- 12 out of 12 met std. Average= 97.6, High= 100, Low= 85  Final- 12 out of 12 met std. Average= 86.4, High= 94.3, Low= 70  Spring 2014- Skills Test- 9 out of 10 met std. Average= 81.2, High= 100, Low= 0  Final- 9 out of 10 met std. Average= 81.3, High= 95.1, Low= 0 | 2012-2013 Academic Year: Students met standard.  2013-2014 Academic Year: Students met standard. |
| 4. Demonstrate competence in best security practices of CISCO Routing and Switching for Enterprise and Small Businesses including VPN’s, configurations of Firewalls. (ITCC 2470/2370 – Cisco CCNA Security) |  |  | Fall 2012: Skills Test- 15 out of 16 met std. Average= 91.4, High= 100, Low= 0  Final- 16 out of 16 met std. Average= 94.4, High= 100, Low= 74.6  ----------------------------------  Fall 2013: Skills Test- 21 out of 21 met std. Average= 91.2, High= 100, Low= 0  Final- 21 out of 21 met std. Average= 83.9, High= 98.5, Low= 0 | 2012-2013 Academic Year: Students met standard.  2013-2014 Academic Year: Students met standard. |
| 5. Demonstrate proficiency in computer Network Design including routing and switching and security. (ITNW 2474/2374 - Advanced Computer Networking Case Study) |  |  | Spring 2013: Project- 3 out of 3 met std. Average= 96.7, High= 98, Low= 96  Final- 3 out of 3 met std. Average= 97, High= 98, Low= 96  ---------------------------------  Spring 2014: Project- 16 out of 17 met std. Average= 78, High= 100, Low= 0  Final- 16 out of 17 met std. Average= 77.3, High= 100, Low= 0 | 2012-2013 Academic Year: Students met standard.  2013-2014 Academic Year: Students met standard. |