**Amarillo College Curriculum Map Template**

**Division:** STEM **Degree/Academic Program(s):**CIS IT Technician (CETT.AAS.NT, COSC.CERT.EES, COSC.CERT.ADMIN, COSC.CERT.DIG, COSC.CERT.CYBER**)**

**Person Responsible for Division:** Dan Ferguson, Dean **Component Director/Chair:** Carol Buse, Chair, Business Systems Emerging Technology **Submission Date:** Fall 2015 **Purpose Statement:** The mission of the CIS IT Technician degrees and certificates is to prepare students for employment in the computer industry or with companies that need computer and network support and/or for the pursuit of a 4-year degree in CS, CIS, MIS, Business, or other related discipline by educating them in the fundamental concepts, knowledge, and laboratory techniques and skills in computer maintenance, repair, network installation and administration, and cyber security.

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|  | **Goal #1:**  To graduate students who are prepared for entry-level employment as IT technicians. | | |
| **SEQ** | **Program-Specific Courses** | **PLO #1: Students will demonstrate competency needed for industry certifications.** | **PLO #2:**  **Students will practice professional conduct.** |
| **1** | CPMT-1351 | **I,D** | **I, D** |
| **1** | ITCC-1301 | **I** | **I, D** |
| **1** | ITDF-1300 |  | **I, D** |
| **2** | CPMT-2349 | **D,M** | **D** |
| **2** | ITCC-1304 | **D** | **D** |
| **2** | ITDF-2325 |  | **D** |
| **2** | ITSY-1342 | **D,M** | **D** |
| **3** | ITCC-2308 | **D** | **D** |
| **3** | ITSY-2300 | **D,M** | **D** |
| **4** | ITCC-2310 | **D,M** | **M** |
| **4** | ITSY-2330 |  | **D** |
| **4** | ITSY-2341 | **D,M** | **M** |

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

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|  | **Goal #2:**  To graduate students who are able to use communication skills. | | |
| **SEQ** | **Program-Specific Courses** | **PLO #1:**  **Students will present knowledge and skills on PC, server, network maintenance and troubleshooting** | **PLO #2:**  **Students will develop professional reports over security policies, technical documentation investigative reports.** |
| **1** | CPMT-1351 | I,D |  |
| **1** | ITCC-1301 |  |  |
| **1** | ITDF-1300 | I,D | I |
| **2** | CPMT-2349 | D | I, D |
| **2** | ITCC-1304 |  |  |
| **2** | ITDF-2325 | D | D |
| **2** | ITSY-1342 | D |  |
| **3** | ITCC-2308 |  |  |
| **3** | ITSY-2300 |  | D |
| **4** | ITCC-2310 | M |  |
| **4** | ITSY-2330 |  | D |
| **4** | ITSY-2341 |  | M |

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|  | **Goal #3:**  To graduate students who can use critical thinking skills. | | | | |
| **SEQ** | **Program-Specific Courses** | **PLO #1:**  **Students will solve problems by following standard trouble shooting procedures** | **PLO #2:**  **Students will identify new security issues and apply them to the current computing environment** | **PLO #3:**  **Students will diagnose and repair PC, servers, printers** | **PLO #4:**  **Students will configure network devices.** |
| **1** | CPMT-1351 | I,D | I | I,D | I,D |
| **1** | ITCC-1301 | I,D | I,D |  | I,D |
| **1** | ITDF-1300 | I,D | I,D |  |  |
| **2** | CPMT-2349 | D | D | D | D |
| **2** | ITCC-1304 | D | D |  | D |
| **2** | ITDF-2325 | D | D |  |  |
| **2** | ITSY-1342 | D | D |  | D |
| **3** | ITCC-2308 | D | D |  | D |
| **3** | ITSY-2300 |  | D |  |  |
| **4** | ITCC-2310 | M | M |  | M |
| **4** | ITSY-2330 |  | D |  |  |
| **4** | ITSY-2341 |  | M |  |  |  |

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|  | **Goal #4:**  To graduate students who demonstrate teamwork skills. | |
| **SEQ** | **Program-Specific Courses** | **PLO #1:**  **Students will collaborate and work in groups** |
| **1** | CPMT-1351 | I, D |
| **1** | ITCC-1301 | D |
| **1** | ITDF-1300 | I, D |
| **2** | CPMT-2349 | D |
| **2** | ITCC-1304 | D |
| **2** | ITDF-2325 | D |
| **2** | ITSY-1342 | D |
| **3** | ITCC-2308 | D |
| **3** | ITSY-2300 | D |
| **4** | ITCC-2310 | D |
| **4** | ITSY-2330 | D |
| **4** | ITSY-2341 | D |

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|  | **Goal #5:**  To graduate students who can evaluate personal and social responsibility. | | |
| **SEQ** | **Program-Specific Courses** | **PLO #1:**  **Students will demonstrate knowledge of ethical computing** | **PLO #2:**  **Students will demonstrate knowledge of security principles and laws.** |
| **1** | CPMT-1351 | I,D | I,D |
| **1** | ITCC-1301 | I,D | I,D |
| **1** | ITDF-1300 | I,D | I,D |
| **2** | CPMT-2349 | D | D |
| **2** | ITCC-1304 | D | D |
| **2** | ITDF-2325 | D | D |
| **2** | ITSY-1342 | D | D |
| **3** | ITCC-2308 | D | D |
| **3** | ITSY-2300 | D | D |
| **4** | ITCC-2310 | D | D |
| **4** | ITSY-2330 | D | D |
| **4** | ITSY-2341 | M | M |

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