# NETWORK MANAGEMENT
## Course Syllabus

**Course Number:** NTWK-0043  
**OHLAP Credit:** Yes  
**OCAS Code:** 8123  
**Course Length:** 120 Hours  
**Career Cluster:** Information Technology  
**Career Pathway:** Network Systems  
**Career Major(s):** Network Systems Engineer  

**Pre-requisite(s):** Client Operating Systems or Database Administration  

**Course Description:** Students will perform a variety of network support skills necessary to keep a company’s network running efficiently - with less downtime. Students will solve advanced company-wide support problems and high-level network problems. Additionally, students will perform planning, installation, configuration, troubleshooting and upgrade services for networks.

**Textbooks:** Network Management

### Course Objectives:

**A. Demonstrate Knowledge of Network Management**

1. Implement, manage, and maintain IP addressing.  
2. Implement, manage, and maintain name resolution.  
3. Implement, manage, and maintain network security.  
4. Implement, manage, and maintain routing and remote access.  
5. Maintain a network infrastructure.

**ODCTE Objectives**

**Teaching Methods:** The class will primarily be taught by the lecture and demonstration method and supported by various media materials to address various learning styles. There will be question and answer sessions over material covered in lecture and media presentations. Supervised lab time is provided for students to complete required projects.

**Grading Procedures:**

1. Students are graded on theory and shop practice and performance.  
2. Each course must be passed with seventy (70%) percent or better.  
3. Grading scale: A=90-100%, B=80-89%, C=70-79%, D=60-69%, F=50-59%.

**Description of Classroom, Laboratories, and Equipment:** Tulsa Technology Center campuses are owned and operated by Tulsa Technology Center School District No. 18. All programs provide students the opportunity to work with professionally certified instructors in modern, well-equipped facilities.
Available Certifications/College Credit

The student may be eligible to take state, national or industry exam after completion of the program. College credit may be issued from Oklahoma State University-Okmulgee or Tulsa Community College. See program counselor for additional information.

College Credit Eligibility:
The student must maintain a grade point average of 2.0 or better.