

# CET: Computer Engineering Technology Courses

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## Courses

### **CET 3905 Directed Study**

College of Sci and Engineering, Department of Computer Science

1-12 sh (may be repeated indefinitely for credit)

### **CET 4454 Technology Systems Implementation Strategies**

College of Sci and Engineering, Department of Department of Information Tech

3 sh (may not be repeated for credit)

Prerequisite: [CET 4743](#)

Examines the processes and challenges posed by those processes involved in the conception, planning and implementation of a technology systems project. Learners will develop model documents for each process and each phase of the project implementation process.

### **CET 4743 Network Systems Architecture, Operations and Management**

College of Sci and Engineering, Department of Department of Information Tech

3 sh (may not be repeated for credit)

Prerequisite: [CGS 2920](#) AND [COP 2830](#)

Students will develop skills and abilities to effectively design, operate and manage a networked system. Network-related fault management, configuration, security, performance, and utilization measurements will be addressed. Lessons will include in-depth examination and appropriate applications in each functional area. Hardware and software tools that.

### **CET 4772 Cloud Computing Operations and Security**

College of Sci and Engineering, Department of Department of Information Tech

3 sh (may not be repeated for credit)

Prerequisite: [CGS 3763](#) OR [COP 4634](#) OR [COP 4610](#)

Students will develop skills and abilities to effectively design, operate manage and distribute applications and services on the cloud. Lessons will include discussion on implementing infrastructure and applications as a service, virtualization on the cloud, and securing applications and services on the cloud.

### **CET 6882 Network Performance Monitoring and Security**

College of Sci and Engineering, Department of Department of Information Tech

3 sh (may not be repeated for credit)

Students enrolled in the MSIT program take a sequence of courses related to Information processing, analytics and security. This course examines network performance, strategies to optimize network performance and protocols related to network security. Students should have a basic understanding of computer networks.