**COLLIN COLLEGE**

**COURSE SYLLABUS**

Course Information

**Course Number**: ITCC 2355

**Course Title:** CCNP R&S SWITCH

**Course Description:** How to implement, monitor, and maintain switching in converged enterprise campus networks. How to plan, configure, and verify the implementation of complex enterprise switching solutions. How to secure integration of VLANs, WLANs, voice and video into campus networks. Lab required.

**Course Credit Hours:** 3

 Lecture Hours: 2

 Lab Hours: 3

**Prerequisite:** ITCC 2313 or CCNA Certification and consent of Associate Dean

**Student Learning Outcomes:**

* **State-mandated Outcomes:** Upon successful completion of this course, students will:
1. Implement, monitor, and maintain switching in an enterprise campus network.
2. Implement appropriate spanning tree protocols in campus networks.
3. Implement VLANs in campus networks.
4. Configure and optimize high availability and redundancy on switches.
5. Describe and implement LAN security features.
6. Plan and prepare for advanced services in a campus infrastructure.

**Withdrawal Policy:** See the current *Collin Registration Guide* for last day to withdraw.

**Collin College Academic Policies:** See the current *Collin Student Handbook.*

**Americans with Disabilities Act Statement:** Collin College will adhere to all applicable federal, state and local laws, regulations and guidelines with respect to providing reasonable accommodations as required to afford equal educational opportunity. It is the student’s responsibility to contact the ACCESS office, SCC-D140 or 972.881.5898 (V/TTD: 972.881.5950) to arrange for appropriate accommodations. See the current *Collin Student Handbook* for additional information.

*Fall 2017 New*