Course Syllabus

Cisco Discovery 3: Introducing Routing and Switching in the Enterprise
ITCC1312

Course Description: This course familiarizes students with the equipment applications and protocols installed in enterprise networks, with a focus on switched networks, IP Telephony requirements, and security. It also introduces advanced routing protocols such as Enhanced Interior Gateway Routing Protocol (EIGRP) and Open Shortest Path First (OSPF) Protocol. Hands-on exercises include configuration, installation, and troubleshooting.

Semester Hours Credit: 3

Lecture/Lab Hours: 2/4

Prerequisite: ITCC1310, ITCC1311

Student Learning Outcomes:

Upon successful completion of this course the student will:

1. Design and implement a LAN while configuring a switch for VLANs and inter-switch communication;
2. Implement access lists to permit or deny specified traffic;
3. Configure routing and routed protocols on Cisco devices;
4. Perform LAN, WAN, and VLAN troubleshooting using a structured methodology and the OSI model

Evaluation Methods:

- Hands-on labs
- Exams
- Final Exam
- Final project

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See at: GL (Legal)

Special Needs Services: Students with special needs, including physical and learning disabilities, who wish to request accommodations in this course should contact the Student Development Office as soon as possible to make arrangements; this should occur no later than the second week of class or as soon as the student has the documentation.
on the disability and requested accommodation per a certified medical or psychological professional. In accordance with federal law, a student requesting accommodations must provide documentation of disability to the Student Development Advisor.

For more information, contact: in Alice at sdalice@coastalbend.edu; Beeville at sdbeville@coastalbend.edu; Kingsville at sdkingsville@coastalbend.edu; and Pleasanton at sdplesanton@coastalbend.edu.

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See at: [FLB (Local)] and [FM (Local)].

See the [Student Handbook](#) for further explanation of Scholastic Dishonesty.

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