



Course Syllabus

**Cisco Discovery 4: Designing and Supporting Computer Networks
ITCC1313**

Course Description: Learners progress through a variety of case studies and role-playing exercises, which include gathering requirements, designing basic networks, establishing proof-of-concept, performing project management tasks, lifecycle services, including upgrades, competitive analyses, and system integration.

Semester Hours Credit: 3

Lecture/Lab Hours: 2/4

Prerequisite: ITCC1310, ITCC1311, ITCC1312

Textbooks: None. Cisco curriculum is delivered online by the Cisco Networking Academy. Included in the curriculum is the theory and lecture material, PacketTracer software for lab simulations, practice exams, and the chapter and final exams. Also included is the standardized end-of-semester hands-on project.

Student Learning Outcomes:

Upon successful completion of this course the student will:

1. Gather customer requirements to design a simple network using Cisco technology.
2. Design an IP addressing scheme
3. Create an equipment list to meet LAN design requirements.
4. Create and resend a proposal to a customer.
5. Obtain and upgrade Cisco IOS Software in Cisco devices while installing and configuring a prototype network.

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 sdbeeville@coastalbend.edu; Kingsville at sdkingsville@coastalbend.edu; and Pleasanton at sdpleasanton@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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NOTE: The College website (www.coastalbend.edu) serves as the main source with the most current version of the Coastal Bend College Board Policies and the Coastal Bend College Catalog.