

FLORIDA STATE COLLEGE AT JACKSONVILLE

COLLEGE CREDIT COURSE OUTLINE

COURSE NUMBER: CET 2759

COURSE TITLE: CCNA (Cisco Certified Network Associate) Certification Review

PREREQUISITE(S): None

COREQUISITE(S): None

CREDIT HOURS: 2

CONTACT HOURS/WEEK: 2

CONTACT HOUR BREAKDOWN:

 Lecture Discussion: 2

 Laboratory:

 Other _____:

FACULTY WORKLOAD POINTS: 2

STANDARDIZED CLASS SIZE ALLOCATION: 20

COURSE DESCRIPTION:

This course reviews information contained on the Network+ Certification exam.

SUGGESTED TEXT(S): CCNA 2.0 Certification: Routing Basics for Co Certified Network Associates Publisher: Paramus/Prentice Hall ISBN 0130903086

Test Yourself CCNA; Publisher: Osborne/McGraw Hill; ISBN: 007212668X

IMPLEMENTATION DATE: Fall Term 2001

REVIEW OR MODIFICATION DATE: Fall Term, 2002 (20031)

<u>COURSE TOPICS</u>	<u>CONTACT HOURS PER TOPIC</u>
I. OSI Model	3
II. WAN Protocols	3
III. Router commands	5
IV. Routing techniques	9
V. Network Security	5
VI. Switching	5

PROGRAM TITLE: Computer Engineering Technology

COURSE TITLE: CCNA (Cisco Certified Network Associate)
Certification Review

CIP NUMBER: 0615.040200

LIST PERFORMANCE STANDARDS ADDRESSED:

NUMBER(S): TITLES(S):

- 01.0 DEMONSTRATE PROFICIENCY IN COMPUTER SYSTEMS ARCHITECTURE —The student will be able to:
- 1.02 Interpret computer acronyms.
- 03.0 DEMONSTRATE PROFICIENCY IN COMMUNICATION INTERFACING —The student will be able to:
- 3.04 Identify and define networking levels.
 - 3.05 Identify and define protocols.
 - 3.06 Troubleshoot and repair network systems.
 - 3.07 Identify and define multiuser systems.
- 08.0 DEMONSTRATE PROFICIENCY IN COMPUTER NETWORKING TECHNIQUES —The student will be able to:
- 8.01 Identify and define computer networking techniques.
- 10.0 DEMONSTRATE PROFICIENCY IN ANALYSIS AND DESIGN OF DATA COMMUNICATIONS SYSTEMS —The student will be able to:
- 10.05 Identify and define communication signals and protocol for MODEM (Modulator Demodulator) links.
 - 10.06 Apply digital modulation techniques including PAM (Pulse-Amplitude Modulation), PCM (Pulse-Code Modulation), PWM (Pulse-Width Modulation) and delta modulation.
 - 10.07 Analyze and design circuits for generation and detection of digital modulation.
 - 10.08 Apply error detection and correction in digital communication systems.
 - 10.09 Define communication protocols.