

Laredo Community College
ASSOCIATE IN APPLIED SCIENCE
COMPUTER INFORMATION SYSTEMS
With Specialization in
Network and Cyber Security Technology
FRESHMAN YEAR

FIRST SEMESTER (*Spring*)

ITCC 1401	Cisco Exploration 1: Network Fundamentals (Spring only)
ITSY 1400	Fundamentals of Information Security
ITSC 1458	UNIX System Administration I (Spring only)
<u>ENGL1301</u> 15 Hrs.	Composition I ¹

SECOND SEMESTER (*Fall*)

ITCC 1404	Cisco Exploration 2: Routing Protocols and Concepts (Fall only) (Prerequisite: ITCC 1401)
ITNW 1453	Supporting Network Server Infrastructure (Fall only) (Prerequisites: ITCC 1401 and ITSC 1458)
ITSC 1447	UNIX System Administration II (Fall only) (Prerequisites: ITCC 1401 and ITSC 1458)
ITSY 2400 <hr/>	Operating System Security (Fall only) (Prerequisites: ITCC 1401, ITSC 1458, and ITSY 1400 or concurrent enrollment)
16 Hrs.	

SUMMER I

(3 hour)	Social and Behavioral Science Elective ²
<u>(3 hour)</u>	Humanities/Fine Arts Elective ³
6 Hrs.	

SUMMER II

(3 hour)	Math Elective ⁴
<u>(3 hour)</u>	Speech Elective ⁵
6 Hrs.	

¹ Any college-level English course is acceptable.

² May be chosen from History, Government, Psychology, Sociology, Anthropology or Philosophy.

³ Humanities/Fine Arts Elective: As indicated in the core curriculum in the college catalog.

⁴ MATH 1314 or MATH 1332 or any college-level Math course is acceptable.

⁵ Any college-level Speech course is acceptable.

Note: All CIS courses require a grade of "C" or better.

SOPHOMORE YEAR

THIRD SEMESTER (*Spring*)

ITCC 2408	Cisco Exploration 3: LAN Switching and Wireless (Spring only) (Prerequisite: ITCC 1401)
ITNW 2456	Designing a Network Directory Infrastructure (Spring only) (Prerequisite: ITNW 1453)
ITSY 2442	Incident Response & Handling (Spring only) (Prerequisites: ITCC 1404, ITNW 1453, ITSC 1447, and ITSY 2400)
ITSY 2401	Firewalls and Network Security (Spring only) (Prerequisites: ITCC 1404, ITNW 1453, ITSC 1447, and ITSY 2400)
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16 Hrs.	

FOURTH SEMESTER (*Fall*)

ITCC 2410	Cisco Exploration 4: Accessing the WAN (Fall only) (Prerequisites: ITCC 1404 and ITCC 2408)
ITSY 2443	Computer System Forensics (Fall only) (Prerequisites: ITSY 2442 and ITSY 2401)
ITSC 2281	Cooperative Education - Computer and Information Sciences, General (Prerequisites: Concurrent enrollment in ITSC 2346 or ITSY 2359 or consent of instructor)
ITSY 2359	Security Assessment and Audit ⁶ (Fall only) (Prerequisites: Taken in final semester before graduating or consent of instructor and credit or concurrent enrollment in ENGL 1301 ¹)
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13 Hrs.	

TOTAL MINIMUM HOURS

72

⁶ Capstone Experience: ITSC 2359 is a course taught in the last semester. The learning experiences in this course result in a consolidation of a student's educational experience.

Note: All CIS courses require a grade of "C" or better.