



A.A.S. in Information Technology, Networking to BS in Information Technology

Year One, First Semester - JJC

CIS 122	Computer Information System Fundamentals
CNT 101	CCNA Introduction
CNT 102	CCNA Intermediate
CIS 125	Cloud Essentials
GEN ED	Fine Arts or Literature or Philosophy (consult advisor)*

Year One, Second Semester - JJC

CNT 103	Cisco Certified Network Associate (CCNA) Advanced
CNT 104	Cisco Certified Network Associate (CCNA) Practicum
CIS 123	Linux Essentials Network
CIS 216	World Wide Web Homepage Authoring
ENG 101	Rhetoric
GEN ED	Social Science (consult advisor)

Year Two, Third Semester - JJC

CNT 210	Cisco Certified Network Professional (CCNP) Introduction
CNT 211	Cisco Certified Network Professional (CCNP) Intermediate
CNT 220	Cisco Certified Network Associate (CCNA) Security
CIS 297	Cisco CyberOps
GEN ED	Social Science (consult advisor)

Year Two, Fourth Semester - JJC

CNT 212	Cisco Certified Network Professional (CCNP) Advanced
CNT 213	Cisco Certified Network Professional (CCNP) Practicum
CIS 135	Computer Programming
CIS 162	Wireless Foundations
MATH 137	Discrete Math**

JJC Faculty Advisor: Bill Martin

wmartin@jjc.edu

Office: A-1005

Lewis Advisor: Office of Admissions

admissions@lewisu.edu

***Two different disciplines**

****If the student did not place out of MATH 13100, they will have to take that first, perhaps during the preceding summer term.**

*****The student will have to take between 2 and 4 3-credit CPSC or INSY electives depending on their chosen concentration. Depending on course rotations, this may require exchanging SOCI 29000 and or THEO 1XX0 for CPSC/INSY concentration electives in semesters 7 and 8.**

Year Three, Fifth Semester - JJC & Lewis

CIS 236	Programming in C
PHIL 103	Introduction to Ethics
GEN ED	Fine Arts or Literature or Philosophy (consult advisor)*
COMM 101	Principles of Speech Communication
INSY 23000	Legal and Ethical Issue in Computing (Lewis)
UNIV 10100	Cornerstone (Lewis)

Year Three, Sixth Semester - JJC & Lewis

GEN ED	Lab Science (consult advisor)
HIST 105	History of Civilization I
ECON 103	Principles of Economics 1
ENG 102	Rhetoric II
INSY 23500	Introduction to Information Security (Lewis)

Year Four, Seventh Semester - Lewis

THEO 10000	Search of Faith
CPSC 30000	Computer Organization
CPSC 33000	Database Systems
CPSC 42000	Computer Security
CPSC or INSY Seminar	Concentration Elective *** Interdisciplinary Seminar

Year Four, Eighth Semester - Lewis

SOCI 29000	Diversity and Social Justice
CPSC 35000	Operating Systems
CPSC or INSY	Concentration Elective***
CPSC or INSY	Concentration Elective***
CPSC or INSY	Concentration Elective***
CPSC 49300	Infrastructure Capstone

Total JJC Credits: 93****

Total Lewis Credits: 43****

Total Credits: 136 (as written)****





****This transfer guide is a sample curriculum. Additional courses may be required based on placement test scores. Please work with your faculty advisor or success coach prior to course registration.

Notes:

1. Students will be required to complete a minimum of 128 credit hours for the Bachelor of Science degree.
2. Graduates of JJC must complete a minimum of 32 credit hours from Lewis to be awarded the Bachelor of Science degree. All other program requirements apply.
3. Students should ideally submit interest in the program to Lewis in their first semester at JJC in order to receive appropriate advising to maximize their semesters at JJC. The admissions application must be submitted in the last semester of JJC courses before enrolling at Lewis University.
4. Students completing the Associates in Information Technology-Networking degree with a minimum cumulative grade point average of 2.0 will be guaranteed admissions to Lewis.
5. Lewis will charge tuition for their courses at a 35% discount from the published per credit hour.

About Lewis's Program:

Through effective integration of computing hardware and software, computing technology enables services essential to modern life. The Bachelor of Science in Information Technology offers a core of courses that give students a broad command of the concepts and skills that will enable them to describe, implement, service, and maintain such technologies. It also offers concentrations that lead to a variety of in-demand technology certifications that give students more focused credentials and skillsets.

INFORMATION TECHNOLOGY STUDENTS WILL:

- Learn how to analyze, design, implement and administer information systems
 - Investigate leading-edge topics such as IT Security and Project Management
 - Gain expertise in Web-based and object-oriented information technologies
 - Develop and manage a project through the entire Systems Development Life Cycle
 - Assemble an online portfolio that will demonstrate your strengths to your future employer
- The Bachelor of Science in Information Technology at Lewis University offers six distinct concentrations:
- Networking
 - Project Management
 - Data Privacy
 - Digital Forensics
 - Cybersecurity
 - Enterprise Computing

About JJC's Program:

JJC's Cisco program provides exposure to a broad cross-section of computer and network security topics. The Cisco CCNA Security program at JJC provides training that is also recognized by the United States National Security Agency (NSA). The program includes hands-on experience using tools and equipment to provide businesses and governments both secure and reliable communication systems. Protection of assets inclusive of malware containment and mitigation and other types of cyber-attacks are also covered.

Our training is backed by the training resources of Cisco Corporation, the largest cyber security and networking company in the world. The Cisco pathway provides students with a diverse education in computers and networking with education in the following areas: Cloud, Security, Wireless, Cyber Operations, Collaboration voice and video, Routing & Switching and advanced protocols.

The program also provides students with the opportunity to prepare for numerous highly



Questions:

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