

Network Information Security Systems Major – B.S. 73 credits

Program Advisors:

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First Semester	Second Semester
Math 115-Precalculus (5 credits) ¹ Liberal Ed Major credits: 0	CNA 201 – Computer Networking Concepts (3 credits) Liberal Ed Major credits: 3
Third Semester	Fourth Semester
CNA 267 – Visual Basic (4 credits) MATH 221-Calculus and Analytic Geometry I (5 credits) Liberal Ed Major credits: 9	MATH 273-Discrete Mathematics I (3 credits) CNA 397-Operating Systems of Micros (4 credits) CSCI 201-Fundamentals of Computer Science (4 credits) ENGL 332-Writing in the Professions (4 credits) Liberal Ed Major credits: 15
Fifth Semester	Sixth Semester
CNA 425-Data Communications (3 credits) CNA 426-Computer Networks (3 credits) CSCI 220-Computer Architecture I (4 credits) Liberal Ed Major credits: 10	CNA 438-Applied Cryptography (3 credits) CNA 430-Firewall and Penetration Testing (3 credits) CNA 473- Operational Software Safeguards (3 credits) Major elective (3 credits) Major credits: 12
Seventh Semester	Eighth Semester
STAT 417-Applied Probability & Simulation (3 credits) CNA 432-OSI Layers Security (3 credits) CNA 465 – Wireless Networks (3 credits) Major elective (3 credits) Major credits: 12	CNA 451 – Network Design (3 credits) CNA 485 – Contemporary Networking Topics (3 credits) IS 472-Security Management and IT Risk Assessment (3 credits) Major elective (3 credits) Major credits: 12

Notes:

1 Take the math placement exam to determine the appropriate class.

- MATH 221 will substitute for the mathematical/logical reasoning core course.
- CNA 169 may be waived because you are taking 6 credits in CNA.
- Total 40 credits of Liberal Ed courses needed.