

Network Modeling and Simulation Major – B.S. 60 credits]	
Computer Networking and Applications Program, Department of Statistics	
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First Semester	Second Semester
MATH 112 or MATH 211 (3 credits) ¹ CNA 169 or CNA 267 (3-4 credits) ² Core General Ed (3-4 credits) General Ed from Distribution Area A or C (3 credits) General Ed from Distribution Area A or C (3 credits)	STAT 229 (3 credits) ³ CNA 267 (4 credits) MATH 211 (if not taken yet) (3 credits) Core General Ed (3-4 credits) General Ed from Distribution Area A or C (3 credits)
Total semester credits: 15-17	Total semester credits: 16-18
Third Semester	Fourth Semester
CSCI 201 (4 credits) STAT 321 (3 credits) Core General Ed (3-4 credits) General Ed from Distribution Area A or C (3 credits)	CSCI 397 (4 credits) STAT 417 (3 credits) Major elective (3 credits) Core General Ed (3-4 credits) General Ed from Distribution Area A or C (3 credits)
Total semester credits: 12-13	Total semester credits: 16-18
Fifth Semester	Sixth Semester
CNA 425 (4 credits) STAT 304 (3 credits) ENGL 332 (3 credits) Core General Ed (3-4 credits) General Ed from Distribution Area A or C (3 credits)	CNA 426 (3 credits) CNA 474 (3 credits) STAT elective (3 credits) Core General Ed (3 or 4 credits) General Ed from Distribution Area A, B or C (3 credits)
Total semester credits: 16-17	Total semester credits: 15-16
Seventh Semester	Eighth Semester
CNA 436 (3 credits) CNA 450 (3 credits) CNA 485 (1-6 credits) Core General Ed (3-4 credits) General Ed from Distribution Area A, B or C (3 credits)	CNA 437 (3 credits) CNA 451 (3 credits) Major elective (3 credits) ⁴ Core General Ed (3-4 credits) General Ed from Distribution Area A or C (3 credits)
Total semester credits: 15-16	Total semester credits: 15-16

- 1 Take the math placement exam to determine the appropriate class.
- 2 Take CNA 267 if your background in computers is good; otherwise, take CNA 169.
- 3 STAT 219, 319, 353, BCIS 242 will substitute for STAT 229.
- 4 Not needed if CNA 267 has been taken.

Notes:

- You will need 1 lab class from Area B.
- Make sure you have 3 diversity classes – 1 diversity class needs to be an approved racial issues course.
- MATH 211 will substitute for the mathematical/logical reasoning core course.
- CNA 169 may be waived because you are taking 6 credits in CNA