

Computer Networking (MS)

Degree Requirements

Code	Title	Hours	Counts towards
Core Courses		9	
Select at least three courses from "Core Courses" listed below			
Theory Courses		3	
Select at least one courses from "Theory Courses" listed below			
Required Courses		4	
CSC 600	Computer Science Graduate Orientation		
	or ECE 600 ECE Graduate Orientation		
Select at least one 700-level course			
Additional Courses		15	
"Additional Courses" are approved in conjunction with the academic committee			
Thesis Option Courses			
CSC 630	Master's Independent Study (Non-Thesis Option)		
	or ECE 634 Individual Studies In Electrical Engineering		
CSC 695	Master's Thesis Research (Thesis Option)		
	or ECE 695 Master's Thesis Research		
Total Hours		31	

Core Courses

Code	Title	Hours	Counts towards
Select at least three courses from the following:			
CSC/ECE 570	Computer Networks	3	
CSC/ECE 573	Internet Protocols	3	
CSC/ECE 574	Computer and Network Security	3	
CSC/ECE 575	Introduction to Wireless Networking	3	
CSC/ECE 577	Switched Network Management	3	

Theory Courses

Code	Title	Hours	Counts towards
Select a minimum of one course below:			
CSC 505	Design and Analysis Of Algorithms	3	
CSC 565	Graph Theory	3	
CSC/ECE 579	Introduction to Computer Performance Modeling	3	
CSC/ECE 776	Design and Performance Evaluation of Network Systems and Services	3	
ECE 766	Signal Processing for Communications & Networking	3	
CSC/ECE 777	Telecommunications Network Design	3	

Accelerated Bachelor's/Master's Degree Requirements

The Accelerated Bachelors/Master's (ABM) degree program allows exceptional undergraduate students at NC State an opportunity to complete the requirements for both the Bachelor's and Master's degrees at an accelerated pace. These undergraduate students may double count up to 12 credits and obtain a non-thesis Master's degree in the same field within 12 months of completing the Bachelor's degree, or obtain a thesis-based Master's degree in the same field within 18 months of completing the Bachelor's degree.

This degree program also provides an opportunity for the Directors of Graduate Programs (DGPs) at NC State to recruit rising juniors in their major to their graduate programs. However, permission to pursue an ABM degree program does not guarantee admission to the Graduate School. Admission is contingent on meeting eligibility requirements at the time of entering the graduate program.

Faculty

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