Degree Requirements

This concentration will require an Internship of at least four months duration (maximum of seven months) and the student to take 3 credit hours of ECE 650 and obtain a Satisfactory grade. An internship of at least four calendar months duration would require that it span at least one semester and possibly part of summer. The credits for ECE 650 would be taken during the semester that includes the internship. The student would be considered as being enrolled full time during that semester.

A student would not enroll in this concentration in their first semester. They would switch to it in a later semester if they secure a suitable internship. Per normal CPT rules, International students studying on an F-1 visa would have to be present on a US campus for two full semesters (a full academic year), and present at NC State for one semester, before using CPT privileges to take an internship. If a student switches to this concentration but does not start the internship, they will switch back to the original plan.

This will be a concentration only for on-campus students. Students enrolled in our distance education – Engineering Online (EOL) - option will not be eligible.

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<th>Code</th>
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<tr>
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<td>Core Courses</td>
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<td>3</td>
<td>Theory Courses</td>
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<td>4</td>
<td>Required Courses</td>
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<td>3</td>
<td>Concentration Requirement</td>
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<td>12</td>
<td>Additional Courses</td>
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<td>3</td>
<td>Thesis Option Courses</td>
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<td>or ECE 600</td>
<td>ECE Graduate Orientation</td>
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<td>CSC 565</td>
<td>Graph Theory</td>
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<td>CSC 579</td>
<td>Introduction to Computer Performance Modeling</td>
<td>3</td>
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<tr>
<td>or ECE 579</td>
<td>Introduction to Computer Performance Modeling</td>
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<tr>
<td>CSC/ECE 776</td>
<td>Design and Performance Evaluation of Network Systems and Services</td>
<td>3</td>
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<td>ECE 766</td>
<td>Signal Processing for Communications &amp; Networking</td>
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<td>CSC/ECE 777</td>
<td>Telecommunications Network Design</td>
<td>3</td>
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</table>
Faculty

Full Professors

B. Jayant Baliga
Mesut E. Baran
Salah M. A. Bedair
Subhashish Bhattacharya
Alper Yusuf Bozkurt
Gregory T. Byrd
Rada Yuryevna Chirkova
Mo-Yuen Chow
Huaiyu Dai
William Rhett Davis
Alexandra Duel-Hallen
Michael James Escuti
Do Young Eun
Brian Allan Floyd
Paul D. Franzon
John J. Grainger
Edward Grant
Robert Wendell Heath
Brian L Hughes
Iqbal Husain
Kи Wook Kim
Frederick Anthony Kish Jr.
Robert Michael Kolbas
Hamid Krim
Ning Lu
Srdjan Miodrag Lukic
Leda Lunardi
Thomas Kenan Miller III
Veena Misra
Rainer Frank Mueller
John F. Muth
H. Troy Nagle Jr.
Arne Nilsson
Omer Oralikan
Mehmet Cevdet Ozturk
Harlaos George Perros
Douglas Stephen Reeves
Eric Rotenberg
Mihail Lorin Sichitiu
Daniel D. Stancil
Michael B. Steer
J K Townsend
James Tuck
Daryoosh Vashaee
John Victor Veliadis
Ioannis Viniotis
Wenyue Wang
Jonathan Wierer
Huiyang Zhou

Associate Professors

Jacob James Adams
Dror Zeev Baron
Michela Becchi
Aranya Chakrabortty
Alexander G. Dean
Ismail Guvenc
Khaled Abdel Hamid Harfoush
Michael W. Kudenov
Edgar Lobaton
Zeljko Pantic
Nuria Gonzalez Prelcic
David Ricketts
Nitin Sharma
Cranos M. Williams
Chengying Xu

Assistant Professors

Aydin Aysu
Amay Jairaj Bandodkar
Michael Daniele
Yaoyao Jia
Shih-Chun Lin
Spyridon Pavlidis
Bradley Galloway Reaves
Muhammad Shahzad
Wenyuan Tang
Chau-Wai Wong
Tianfu Wu

Tildon H. Glisson Jr.
John R. Hauser
Michael A. Littlejohn
David Franklin McAllister
Carlton M. Osburn
Wilbur Carroll Peterson
Sarah Ann Rajala
Wesley E. Snyder

Practice/Research/Teaching Professors

Gregory Edward Bottomley
Laura J. Bottomley
James Paul Dieffenderfer
Robert Joseph Evans
Rachana Ashok Gupta
Douglas C. Hopkins
Steven Wade Hunter
Steven D. Jackson
Bongmook Lee
David Lee Lubkeman
Robert Dwight Oden Jr.
Hatice Orun Ozturk
Veety, Elena Nicolescu
Tania Milkova Paskova
Andrew J. Rindos III
Elena Nicolescu Veety
Leonard Wilson White
Donna G. Yu
Wensong Yu

Emeritus Faculty

Winser E. Alexander
George F. Bland
David H. Covington