

# Electrical Engineering (MS)

## Master of Science Degree Requirements

Degrees earned will be distributed as: "Master of Science in Electrical Engineering" without specialty or option specifications.

Code	Title	Hours
<b>Required Courses</b>		<b>1</b>
ECE 600	ECE Graduate Orientation	
<b>Core Courses</b> <sup>1</sup>		<b>21</b>
"Core Courses" are approved in conjunction with the academic committee		
Depth Courses	Select at least three credit hours of 700-level courses	
Major Courses	Select at least 15 credit hours of EE courses	
Breadth Course	Select at least three credit hours in different ECE specialites	
<b>Additional Courses</b>		<b>9</b>
"Additional Courses" are approved in conjunction with the academic committee to meet 31 total hours		
Total Hours		31

<sup>1</sup> Students are only allowed three credit hours of ECE 633, ECE 634, ECE 650, ECE 695 (for Thesis students).

## 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

### Full Professors

David E Aspnes

B. Jayant Baliga

Mesut E. Baran

Salah M. A. Bedair

Subhashish Bhattacharya

Donald L. Bitzer

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

Edward F. Gehringer

John J. Grainger

Edward Grant

Brian L Hughes

Iqbal Husain

Ki 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.

Jagdish Narayan

Arne Nilsson

Omer Oralkan

Mehmet Cevdet Ozturk

Harilaos George Perros

Douglas Stephen Reeves

Eric Rotenberg

Georgios Rouskas  
Xipeng Shen  
Mihail Lorin Sichitiu  
Zlatko Sitar  
Matthias F. M. Stallmann  
Daniel D. Stancil  
Michael B. Steer  
J. K. Townsend  
Henry J. Trussell  
James Tuck  
Daryoosh Vashae  
John Victor Veliadis  
Ioannis Viniotis  
Mladen Alan Vouk  
Wenye Wang  
Fen Wu  
Huiyang Zhou

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### **Associate Professors**

Jacob James Adams  
Samuel T. Alexander  
Amay Jairaj Bandodkar  
Dror Zeev Baron  
Michela Becchi  
Aranya Chakraborty  
Alexander G. Dean  
Ismail Guvenc  
Khaled Abdel Hamid Harfoush  
Michael W. Kudenov  
David S. Lalush  
Edgar Lobaton  
Zeljko Pantic  
David Ricketts  
Cranos M. Williams

### **Assistant Professors**

Aydin Aysu  
Michael Daniele  
Caterina M. Gallippi  
Yaoyao Jia  
Shih-Chun Lin  
Spyridon Pavlidis  
Bradley Galloway Reaves  
Muhammad Shahzad  
Wenyuan Tang  
Chau-Wai Wong  
Tianfu Wu

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### **Practice/Research/Teaching Professors**

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

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### **Professors Emeritus**

George F. Bland  
John R. Hauser  
Wilbur Carroll Peterson

Winser E. Alexander PhD

Tildon H Glisson Jr

Michael A. Littlejohn

Carlton M. Osburn

Sarah Ann Rajala

Wesley E. Snyder

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## **Adjunct Faculty**

Mihail Devetsikiotis

Yan Solihin