

Electrical Engineering (Certificate)

This certificate program is primarily intended for individuals who wish to increase their knowledge and skills in Electrical Engineering either for future career opportunities or in preparation for graduate studies. This certificate provides the opportunity for students to take Master's degree courses without the commitment of undertaking a full Master's degree.

Many of the courses are available for completion remotely with Engineering Online. The certificate is also available to on-campus graduate students in the sciences and engineering who want to expand their knowledge of the field.

The EE GCP requires a total of 12 credit hours of graduate-level Electrical Engineering courses taken for a letter grade. There is no prescribed list of courses for the certificate; students may take a combination of courses tailored to their interests and needs, subject to course prerequisites.

More Information

Electrical Engineering Certificate Website (<https://ece.ncsu.edu/grad/certificate/>)

Applicant Information

- **Delivery Method:** On-Campus, Online, Hybrid
- **Entrance Exam:** None
- **Interview Required:** None

Admissions Deadlines

- **Fall:** January 9
- **Spring:** July 1

Plan Requirements

Code	Title	Hours	Counts towards
Required Courses		12	
Select a minimum of four ECE courses at the 500- or 700-level			
Total Hours		12	

* Courses must be Electrical Engineering or cross-listed as either.
Excludes Special Topics Courses: ECE 592, ECE 791, and ECE 792.

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
Robert Wendell Heath
Brian L Hughes
Iqbal Husain
Sabre Kais
Derek Kamper
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
James Tuck
Daryoosh Vashae
John Victor Veliadis
Ioannis Viniotis
Mladen Alan Vouk
Wenye Wang
Jonathan Wierer
Fen Wu
Huiyang Zhou

Associate Professors

Jacob James Adams
Dror Zeev Baron
Michela Becchi
Aranya Chakraborty
Hantao Cui
Alexander G. Dean
Paschalis Gkoupidenis
Zhishan Guo
Ali Gurbuz
Sevgi Gurbuz
Ismail Guvenc
Khaled Abdel Hamid Harfoush
Michael W. Kudenov

David S. Lalush
Edgar Lobaton
Zeljko Pantic
Nuria Gonzalez Prelcic
Anderson Rodrigo de Queiroz
David Ricketts
Nitin Sharma
Cranos M. Williams

Assistant Professors

Aydin Aysu
Amay Jairaj Bandodkar
Michael Daniele
Demitry Farfurnik
Caterina M. Gallippi
Yaoyao Jia
Shih-Chun Lin
Yuan Liu
Spyridon Pavlidis
Bradley Galloway Reaves
Vijay Shah
Muhammad Shahzad
Wenyuan Tang
Chau-Wai Wong
Tianfu Wu
Chenhan Xu
Man Ki Yoon
Kaixiong Zhou

Practice/Research/Teaching Professors

Jordan Besnoff
Gregory Edward Bottomley
Laura J Bottomley
James Paul Dieffenderfer
Robert Joseph Evans

John Gajda

Frederick J. Livingston

Rachana Ashok Gupta

Seth E. Hollar

Douglas C. Hopkins

Fu-Chen Hsaio

Andrew J. Rindos III

Steven D. Jackson

Robert Dwight Oden Jr.

Bongmook Lee

David Lee Lubkeman

Hatice Orun Ozturk

Tania Milkova Paskova

James Lee Reynolds

Elena Nicolescu Veety

Leonard Wilson White

Donna G Yu

Wensong Yu

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

Adjunct Faculty

Mihail Devetsikiotis

Yan Solihin

Teaching Associate Professors

Mihail Cutitaru