Computer Engineering (Certificate)

In the certificate program in computer engineering, students gain foundational knowledge in connected systems, networking applications, and computer architecture. Hone your skills in the analysis, design, and operation of computing devices and software, offered over twelve credit hours. Students will work with a variety of hardware and software tools and analyze research to understand state of the art approaches to computer system design and future challenges the industry will face.

More Information

Computer Engineering Program Website (https://ece.ncsu.edu/grad/certificate/)

Admission Requirements

Students must meet ONE of the following requirements for admission into a Graduate Certificate Program:

- Have a BS degree in Electrical or Computer Engineering from a regionally accredited four-year college or university, and have an overall GPA of at least 3.0 on a 4-point scale.
- Have a BS or a BA degree in the sciences or engineering from a regionally accredited four-year college or university with an overall GPA of at least 3.0 on a 4-point scale. The student needs to have taken and passed the background courses appropriate for their proposed plan of study. The requirements will be the same as for an MS student as per our application website (https://www.ece.ncsu.edu/grad/apply/).
- Be a degree-seeking student in good standing in an NC State University graduate program in the sciences or engineering.

Applicant Information

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

Application Deadlines

Please visit The Graduate School Application Deadlines (https://grad.ncsu.edu/admissions/deadlines/) page for more information.

Plan Requirements

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

* Courses are limited to Computer Engineering or cross-listed courses. Excludes Special Topics Courses: ECE 592, ECE 791, and ECE 792.

Faculty

Harald Ade

B. Jayant Baliga

Mesut E. Baran

Salah M. A. Bedair

Subhashish Bhattacharya

Alper Yusuf Bozkurt

Gregory T. Byrd

Stanley Cheung

Rada Yuryevna Chirkova

Mo-Yuen Chow

Mihail Cutitaru

Huaiyu Dai

William Rhett Davis

Alexandra Duel-Hallen

Michael James Escuti

Do Young Eun

Demitry Farfurnik

Brian Allan Floyd

Paul D. Franzon

John Gajda

John J. Grainger

Edward Grant

Ali Gurbuz

Sevgi Gurbuz

Kook Han

Robert Wendell Heath

Brian L Hughes

Iqbal Husain

Ki Wook Kim

Frederick Anthony Kish Jr.

Robert Michael Kolbas

Hamid Krim

Yuan Liu

Frederick J. Livingston

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 Oralkan

Mehmet Cevdet Ozturk

Harilaos George Perros

Anderson Rodrigo de Queiroz

Douglas Stephen Reeves

James Lee Reynolds

Eric Rotenberg

Saurav Roy

Mihail Lorin Sichitiu

Avraham Silverman

Brittany N. Smith

Daniel D. Stancil

Michael B. Steer

J K Townsend

James Tuck

Daryoosh Vashaee

John Victor Veliadis

Ioannis Viniotis

Wenye Wang

Wujie Wen

Jonathan Wierer

Chenhan Xu

Huiyang Zhou

Jacob James Adams

Dror Zeev Baron

Michela Becchi

Aranya Chakrabortty

Alexander G. Dean

Qing Gu

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

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

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

Winser E. Alexander

George F. Bland

David H. Covington

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