# Computer Engineering (MS)

## Master of Science Degree Requirements

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

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Required Courses</strong></td>
<td>1</td>
</tr>
<tr>
<td>ECE 600</td>
<td>ECE Graduate Orientation</td>
<td></td>
</tr>
</tbody>
</table>

|      | **Core Courses**                   | 21    |
| Core Courses | "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 specialties |       |

|      | **Additional Courses**             | 9     |
| Additional Courses | "Additional Courses" are approved in conjunction with the academic committee to meet 31 total hours |       |

Total Hours 31

1 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

- 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
- 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.
- Arne Nilsson
- Omer Oralkan
- Mehmet Cevedet Ozturk
- Harilaos George Perros
- Douglas Stephen Reeves
- Eric Rotenberg
- Mihail Lorin Sichitiu
- Daniel D. Stancil
- Michael B. Steer

### Faculty Members

- B. Jayant Baliga
- Mesut E. Baran
- Salah M. A. Bedair
- Subhashish Bhattacharya
- Alper Yusuf Bozkurt
J K Townsend  
James Tuck  
Daryoosh Vashaee  
John Victor Veliadis  
Ioannis Viniotis  
Wenye Wang  
Huiyang Zhou  

**Associate Professors**  
Jacob James Adams  
Samuel T. Alexander  
Dror Zeev Baron  
Michela Becchi  
Aranya Chakrabortty  
Alexander G. Dean  
Ismail Guvenc  
Khaled Abdel Hamid Harfouss  
Michael W. Kudenov  
Edgar Lobaton  
Zeljko Pantic  
Nuria Gonzalez Prelcic  
David Ricketts  
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  
Wen Yuan Tang  
Chau-Wai Wong  

Tianfu Wu  

**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 Mikhailova 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  
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