# 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>
<th>Counts towards</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Required Courses</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECE 600</td>
<td>ECE Graduate Orientation</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Core Courses</td>
<td>21</td>
<td></td>
<td></td>
</tr>
<tr>
<td>&quot;Core Courses&quot; are approved in conjunction with the academic committee</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Depth Courses</td>
<td>Select at least three credit hours of 700-level courses</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Major Courses</td>
<td>Select at least 15 credit hours of EE courses</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Breadth Course</td>
<td>Select at least three credit hours in different ECE specialites</td>
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</tr>
</tbody>
</table>

| Additional Courses | 9                   |

"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 (DGPAs) 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

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 Cevdet Ozturk
Harilaos George Perros
Douglas Stephen Reeves