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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
<th>Counts towards</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Required Courses</strong></td>
<td></td>
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</tr>
<tr>
<td>ECE 600</td>
<td>ECE Graduate Orientation</td>
<td>1</td>
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<tr>
<td></td>
<td><strong>Core Courses</strong></td>
<td>21</td>
<td></td>
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<tr>
<td></td>
<td>&quot;Core Courses&quot; are approved in</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>conjunction with the academic committee</td>
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<td></td>
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<tr>
<td></td>
<td><strong>Depth Courses</strong></td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>Select at least three credit hours</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>of 700-level courses</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Major Courses</strong></td>
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<td></td>
</tr>
<tr>
<td></td>
<td>Select at least 15 credit hours</td>
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<tr>
<td></td>
<td>of EE courses</td>
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<tr>
<td></td>
<td><strong>Breadth Course</strong></td>
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<tr>
<td></td>
<td>Select at least three credit hours</td>
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<td></td>
</tr>
<tr>
<td></td>
<td>in different ECE specialties</td>
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<td></td>
</tr>
<tr>
<td></td>
<td><strong>Additional Courses</strong></td>
<td>9</td>
<td></td>
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<tr>
<td></td>
<td>&quot;Additional Courses&quot; are approved</td>
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<td></td>
<td>in conjunction with the academic committee</td>
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<td></td>
</tr>
<tr>
<td></td>
<td>to meet 31 total hours</td>
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<td></td>
</tr>
<tr>
<td></td>
<td><strong>Total Hours</strong></td>
<td>31</td>
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</tbody>
</table>

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

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
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 Vashaee  
John Victor Veliadis  
Ioannis Viniotis  
Mladen Alan Vouk  
Wenyue Wang  
Jonathan Wierer  
Fen Wu  
Huiyang Zhou

Michael W. Kudenov  
David S. Lalush  
Edgar Lobaton  
Zeljko Pantic  
Nuria Gonzalez Prelcic  
David Ricketts  
Nitin Sharma  
Cranos M. Williams

Assistant Professors  
Aydin Aysu  
Amay Jairaj Bandodkar  
Michael Daniele  
Demitri Farfurnik  
Caterina M. Gallippi  
Yaoyao Jia  
Shih-Chun Lin  
Yuan Liu  
Spyridon Pavlidis  
Bradley Galloway Reaves  
Muhammad Shahzad  
Wenyuan Tang  
Chau-Wai Wong  
Tianfu Wu

Practice/Research/Teaching Professors  
Jordan Besnoff  
Gregory Edward Bottomley  
Laura J Bottomley  
James Paul Dielfenderfer  
Robert Joseph Evans  
John Gajda  
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
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 Cuttaru
Frederick J. Livingston