Electrical Engineering (MS): Internship Concentration

Degree Requirements

This concentration will require an Internship of at least four months duration (maximum of seven months) and the student to take 3 credit hours of ECE 650 and obtain a Satisfactory grade. An internship of at least four calendar months duration would require that it span at least one semester and possibly part of summer. The credits for ECE 650 would be taken during the semester that includes the internship. The student would be considered as being enrolled full time during that semester.

A student would not enroll in this concentration in their first semester. They would switch to it in a later semester if they secure a suitable internship. Per normal CPT rules, International students studying on an F-1 visa would have to be present on a US campus for two full semesters (a full academic year), and present at NC State for one semester, before using CPT privileges to take an internship. If a student switches to this concentration but does not start the internship, they will switch back to the original plan.

This will be a concentration only for on-campus students. Students enrolled in our distance education – Engineering Online (EOL) - option will not be eligible.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
<th>Counts towards</th>
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</thead>
<tbody>
<tr>
<td></td>
<td><strong>Required Courses</strong></td>
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<tr>
<td>ECE 600</td>
<td>ECE Graduate Orientation</td>
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<tr>
<td></td>
<td><strong>Core Courses</strong> ¹</td>
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<td>“Core Courses” are approved in conjunction with the academic committee</td>
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<td><strong>Depth Courses</strong></td>
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<td></td>
<td>Select at least three credit hours of 700-level courses</td>
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<td><strong>Major Courses</strong></td>
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<td>Select at least 15 credit hours of EE courses</td>
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<td><strong>Breadth Course</strong></td>
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<td></td>
<td>Select at least three credit hours in different ECE specialites</td>
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<td><strong>Concentration Requirement</strong></td>
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<tr>
<td></td>
<td>ECE 650</td>
<td>Internship</td>
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<td><strong>Additional Courses</strong></td>
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<td>“Additional Courses” are approved in conjunction with the academic committee to meet 31 total hours</td>
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<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).

2 ECE 650 requires that a written report be submitted and accepted by an ECE faculty examiner as meeting the standards required by the course. The written report should cover both technical and non-technical aspects of what the student did and learned during the internship. The report should not disclose company proprietary information.

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 Veliasdis  
Ioannis Viniotis  
Mladen Alan Vouk  
Wenyue Wang  
Jonathan Wierer  
Fen Wu  
Huiyang Zhou  

Associate Professors  
Jacob James Adams  
Dror Zeev Baron  
Michela Becchi  
Aranya Chakrabortty  

Alexander G. Dean  
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Khaled Abdel Hamid Harfoush  
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  
Caterina M. Gallippi  
Yaoyao Jia  
Shih-Chun Lin  
Spyridon Pavlidis  
Bradley Galloway Reaves  
Muhammad Shahzad  
Wenyuan Tang  
Chau-Wai Wong  
Tianfu Wu  

Practice/Research/Teaching Professors  
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Laura J Bottomley  
James Paul Dieffenderfer  
Robert Joseph Evans  
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
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