# 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.

### Code | Title | Hours | Counts towards
--- | --- | --- | ---
**Required Courses**  
ECE 600 | ECE Graduate Orientation | 1 | |

**Core Courses**  
"Core Courses" are approved in conjunction with the academic committee

<table>
<thead>
<tr>
<th>Depth Courses</th>
<th>Select at least three credit hours of 700-level courses</th>
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<tbody>
<tr>
<td>Major Courses</td>
<td>Select at least 15 credit hours of EE courses</td>
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<tr>
<td>Breadth Course</td>
<td>Select at least three credit hours in different ECE specialties</td>
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### Concentration Requirement | 3 | ECE 650 | Internship |

### Additional Courses | 6 | "Additional Courses" are approved in conjunction with the academic committee to meet 31 total hours |

### Total Hours | 31 |

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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 Oral
Mehmet Cevdet Ozturk
Harilasos George Perros
Douglas Stephen Reeves
Eric Rotenberg
Georgios Rouskas
Xipeng Shen
Mihail Lorin Sichitiu
Ziatko 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
Wenyuan Tang
Chau-Wai Wong
Tianfu Wu

Associate Professors
Jacob James Adams
Dror Zeev Baron
Michela Becchi
Aranya Chakraborty
Alexander G. Dean
Ismail Guvenc
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
Jordan Besnoff
Gregory Edward Bottomley
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