Materials Science and Engineering (MS)

Master of Science Degree Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
<th>Counts towards</th>
</tr>
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<tr>
<td></td>
<td><strong>Required Courses</strong></td>
<td><strong>15</strong></td>
<td><strong>Counts towards</strong></td>
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<td>Select a minimum of 15 credit hours of 500- to 700-level MSE courses approved in conjunction with the academic committee</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</td>
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<td><strong>Thesis Course</strong></td>
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<td>MSE 695</td>
<td>Master’s Thesis Research</td>
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<td><strong>Total Hours</strong></td>
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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

Professor
Frederick Kish

Assistant Professors
Bharat Gwalani
Martin Selfrid

Adjunct Professors
Harald Ade
David E. Aspnes

Charles M. Balik
Salah M. A. Bedair
Donald Wayne Brenner
Jerome J. Cuomo
Michael David Dickey
Jan Genzer
Russell E. Gorga
Carol K. Hall
Ola Lars Anders Harrysson
Ayman I. Hawari
Douglas Lee Irving
Albena Ivanisevic
Jacob L. Jones
Jesse Jur
Carl C. Koch
Thomas H. LaBean
Harold Henry Lamb
Frances Smith Ligler
James D. Martin
Veena Misra
Korukonda Linga Murty
Jagdish Narayan
Roger Jagdish Narayan
Gregory N. Parsons
Melissa Anne Pasquinelli
Zlatko Sitar
Franky So
Richard J. Spontak
Martin Thuo
Joseph B. Tracy
Daryoosh Vashaee
Orlin Dimitrov Velev
Yaroslava G Yingling
Xiangwu Zhang
Yong Zhu
Aram Amassian
Ashley Carson Brown  
Ramon R. Collazo  
Rajeev Kumar Gupta  
Djamel Kaoumi  
Jagannadham Kasichainula  
Divine Philip Kumah  
Nina Wisinger  
Ruijuan Xu  
Timothy Joseph Horn  
Kaveh Ahadi  
Veronica Augustyn  
Wenpei Gao  
Yin Liu  
Srikanth Patala  
Ge Yang  
Reza A Ghiladi  
John F Muth  
Claude Lewis Reynolds Jr.  
Hans Conrad  
Robert F. Davis  
Elizabeth Carol Dickey  
Nadia El-Masry  
John Joseph Hren  
Jacqueline Krim  
Gerald Lucovsky  
Jon-Paul María  
Khosrow L. Moazed  
Ronald O. Scattergood  
John S. Strenkowski  
Yuntian T. Zhu  
Cheryl Cass  
Barry Farmer  
Charles Richard Guarnieri  
James Michael LeBeau  
Tania Milkova Paskova  
John T. Prater  
Justin Schwartz  
Victor Zhirkov

Research Professor
Christopher Rock