Materials Science and Engineering (MS)

Master of Science Degree Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required Courses</td>
<td>15</td>
<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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<tr>
<td>Additional Courses</td>
<td>9</td>
<td>&quot;Additional Courses&quot; are approved in conjunction with the academic committee</td>
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<tr>
<td>Thesis Course</td>
<td>6</td>
<td>MSE 695 Master’s Thesis Research</td>
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<tr>
<td>Total Hours</td>
<td>30</td>
<td></td>
</tr>
</tbody>
</table>

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

Harald Ade
David E. Aspnes
Charles M. Balik
Salah M. A. Bedair
Donald Wayne Brenner
Jerome J. Cuomo
Elizabeth Carol Dickey
Michael David Dickey
Nadia A. El-Masry
Jan Genzer
Russell E. Gorga

Associate Professors

Aram Amassian
Ashley Carson Brown
Ramon R. Collazo
Douglas Lee Irving
Jesse Stephen Jur
Djamel Kaoumi
Jagannadham Kasichainula
Divine Philip Kumah

Carol K. Hall
Ola Lars Anders Harrysson
Ayman I. Hawari
Albena Ivanisevic
Jacob L. Jones
Carl C. Koch
Jacqueline Krim
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
Joseph B. Tracy
Daryoosh Vashaee
Orlin Dimitrov Velev
Yaroslava G Yingling
Xiangwu Zhang
Yong Zhu
Assistant Professors
Kaveh Ahadi
Veronica Augustyn
Wenpei Gao
Srikanth Patala
Ge Yang

Practice/Research/Teaching Professors
Charles Richard Guarnieri
Claude Lewis Reynolds Jr.

Emeritus Faculty
John A. Bailey
Hans Conrad
Robert F. Davis
John Valentine Hamme
Kerry S. Havner
John Joseph Hren
Gerald Lucovsky
Jon-Paul Maria
Khosrow L. Moazed
Ronald O. Scattergood
John S. Strenkowski

Adjunct Professors
James Michael LeBeau
Tania Milkova Paskova
John T. Prater
Justin Schwartz
Fumio Shimura
Victor Zhirnov