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></td>
<td><strong>Required Courses</strong></td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>Select a minimum of 15 credit hours of 500- to 700-level MSE courses approved in conjunction with the academic committee</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Additional Courses</strong></td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>&quot;Additional Courses&quot; are approved in conjunction with the academic committee</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Thesis Course</strong></td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>MSE 695</td>
<td>Master's Thesis Research</td>
</tr>
<tr>
<td></td>
<td><strong>Total Hours</strong></td>
<td>30</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
- Michael David Dickey
- Jan Genzer
- Russell E. Gorga
- Carol K. Hall
- Ola Lars Anders Harrysson

Associate Professors

- Ayman I. Hawari
- 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
- 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
Claude Lewis Reynolds Jr.

Emeritus Faculty
Hans Conrad
Robert F. Davis
Elizabeth Carol Dickey
Nadia El-Masry
John Joseph Hren
Jacqueline Krim
Gerald Lucovsky
Jon-Paul Maria
Khosrow L. Moazed
Ronald O. Scattergood
John S. Strenkowski
Yuntian T. Zhu

Adjunct Professors
Cheryl Cass
Charles Richard Guarnieri
James Michael LeBeau
Tania Milkova Paskova
John T. Prater
Justin Schwartz
Victor Zhirnov