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>
</thead>
<tbody>
<tr>
<td></td>
<td>Required Courses</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select a minimum of 15 credit hours of 500- to 700-level MSE</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>courses approved in conjunction with the academic committee</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Additional Courses</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td></td>
<td>&quot;Additional Courses&quot; are approved in conjunction with the academic</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>committee</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Thesis Course</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MSE 695 Master's Thesis Research</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<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

Professor

Frederick Kish

Assistant Professors

Bharat Gwalani

Martin Seifrid

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 Zhirnov

Research Professor
Christopher Rock