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>
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<tbody>
<tr>
<td></td>
<td><strong>Required Courses</strong></td>
<td>15</td>
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<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>
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<td><strong>Additional Courses</strong></td>
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<td>&quot;Additional Courses&quot; are approved in conjunction with the academic committee</td>
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<td><strong>Thesis Course</strong></td>
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<td></td>
<td>MSE 695</td>
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<td>Master's Thesis Research</td>
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<td></td>
<td><strong>Total Hours</strong></td>
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</table>

Accelerated Bachelor's/Master's Degree Requirements

The Accelerated Bachelor's/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

Professors
Harald Ade
Aram Amassian
David Aspnes
Salah M.A. Bedair
Donald Brenner
Ramon Collazo
Jerome Cuomo
Jan Genzer
Reza Ghiladi
Ola Harrysson
Douglas Irving
Jacob L. Jones
Djamel Kaoumi
Frederick Kish
Frederick Kish
Thomas LaBean
James D. Martin
John F. Murth
Korukonda Murty
Jagdish Narayan
Roger Jagdish Narayan
Gregory N. Parsons
Melissa Pasquinelli
Zlatko Sitar
Franky So
Richard Spontak
Martin Thuo
Joseph B. Tracy
Daryoosh Vashaee
Yaroslava Yingling
Xiangwu Zhang
Yong Zhu

Associate Professors
Veronica Augustyn
Rajeev Gupta
Jagannadham Kasichainula
Kinga Unocic
Raymond Unocic
Nina Wisinger

Assistant Professors
Bharat Gwalani
Timothy Horn
Yin Liu
Yin Liu
Martin Seifrid
Ruijuan Xu

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**Research Professor**
Christopher Rock

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**Teaching Assistant Professor**
Alexey Gulyuk

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**Adjunct Professors**
Barry Farmer
John Prater

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**Adjunct Associate Professor**
Charles Guarnieri

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**Emeritus Faculty**
Charles Balik
Elizabeth Dickey
Carl C. Koch
Yuntian Zhu