

# Materials Science and Engineering (MS)

## Master of Science Degree Requirements

Code	Title	Hours
<b>Required Courses</b>		<b>15</b>
Select a minimum of 15 credit hours of 500- to 700-level MSE courses approved in conjunction with the academic committee		
<b>Additional Courses</b>		<b>9</b>
"Additional Courses" are approved in conjunction with the academic committee		
<b>Thesis Course</b>		<b>6</b>
MSE 695	Master's Thesis Research	
<b>Total Hours</b>		<b>30</b>

## 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

### 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  
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 Vashae  
Yaroslava Yingling  
Xiangwu Zhang  
Yong Zhu

## Associate Professors

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

## Assistant Professors

Bharat Gwalani  
Timothy Horn  
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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## **Practice/Research/Teaching Professor**

Albert Kwansa

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## **Emeritus Faculty**

Charles Balik

Elizabeth Dickey

Carl C. Koch

Yuntian Zhu