# Materials Science and Engineering (PhD)

## 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>Required Courses</td>
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<tr>
<td>MSE 601</td>
<td>Seminar</td>
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<td>Select a minimum of 9 credit hours of 500- to 700-level MSE courses approved in conjunction with the academic committee</td>
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<tr>
<td>Select a minimum of 18 credit hours of 700-level courses approved in conjunction with the academic committee</td>
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<td>Additional Courses</td>
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<tr>
<td>MSE 801</td>
<td>Seminar</td>
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<tr>
<td>MSE 893</td>
<td>Doctoral Supervised Research</td>
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<td>MSE 885</td>
<td>Doctoral Supervised Teaching</td>
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<td>MSE 895</td>
<td>Doctoral Dissertation Research</td>
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<td>Doctoral Dissertation Research</td>
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<tr>
<td>Total Hours</td>
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<td>72</td>
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</tbody>
</table>

## 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
- 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
- Joseph B. Tracy
- Daryoosh Vashaee
- Olin Dimitrov Velev
- Yaroslava G Yingling
- Xiangwu Zhang
- Yong Zhu

### Associate Professors
- Aram Amassian
- Ashley Carson Brown
- Ramon R. Collazo
- Rajeev Kumar Gupta
- Djamel Kaoumi
- Jagannadham Kasichainula
- Divine Philip Kumah

### 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