# Materials Science and Engineering (PhD)

## 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><strong>Required Courses</strong></td>
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<tr>
<td></td>
<td>Select a minimum of 9 credit hours of 500- to 700-level MSE courses approved in conjunction with the academic committee</td>
<td>27</td>
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<tr>
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<td>Select a minimum of 18 credit hours of 700-level courses approved in conjunction with the academic committee</td>
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<tr>
<td>MSE 601</td>
<td>Seminar</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>MSE 801</td>
<td>Seminar</td>
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<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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<tr>
<td>MSE 895</td>
<td>Doctoral Dissertation Research</td>
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</tbody>
</table>

**Total Hours**: 72

## 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
- Orlin 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
- Nina Wisinger
Assistant Professors
Timothy Joseph Horn
Kaveh Ahadi
Veronica Augustyn
Wenpei Gao
Srikanth Patala
Ge Yang

Practice/Research/Teaching Professors
Reza A Ghiladi
John F Muth
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
Barry Farmer
Charles Richard Guarnieri
James Michael LeBeau
Tania Milkova Paskova
John T. Prater
Justin Schwartz