

# Materials Science and Engineering (PhD)

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## Degree Requirements

Code	Title	Hours
<b>Required Courses</b>		<b>27</b>
Select a minimum of 9 credit hours of 500- to 700-level MSE courses approved in conjunction with the academic committee		
Select a minimum of 18 credit hours of 700-level courses approved in conjunction with the academic committee		
MSE 601	Seminar	
<b>Additional Courses</b>		<b>45</b>
"Additional Courses" are approved in conjunction with the academic committee		
MSE 801	Seminar	
MSE 893	Doctoral Supervised Research	
MSE 885	Doctoral Supervised Teaching	
MSE 895	Doctoral Dissertation Research	
Total Hours		72

## Faculty

### Full Professors

Harald Ade  
 David E. Aspnes  
 Charles M. Balik  
 Salah M. A. Bedair  
 Donald Wayne Brenner  
 Jerome J. Cuomo  
 Elizabeth Carol Dickey  
 Michael David Dickey  
 Nadia A. El-Masry  
 Jan Genzer  
 Russell E. Gorga  
 Carol K. Hall  
 Ola Lars Anders Harrysson  
 Ayman I. Hawari  
 Albena Ivanisevic  
 Jacob L. Jones  
 Carl C. Koch  
 Jacqueline Krim  
 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

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### Associate Professors

Aram Amassian  
 Ashley Carson Brown  
 Ramon R. Collazo  
 Douglas Lee Irving  
 Jesse Stephen Jur  
 Djamel Kaoumi  
 Jagannadham Kasichainula  
 Divine Philip Kumah

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### Assistant Professors

Kaveh Ahadi  
 Veronica Augustyn  
 Wenpei Gao  
 Srikanth Patala  
 Ge Yang

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## **Practice/Research/Teaching Professors**

Charles Richard Guarnieri

Claude Lewis Reynolds Jr.

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## **Emeritus Faculty**

John A. Bailey

Hans Conrad

Robert F. Davis

John Valentine Hamme

Kerry S. Havner

John Joseph Hren

Gerald Lucovsky

Jon-Paul Maria

Khosrow L. Moazed

Ronald O. Scattergood

John S. Strenkowski

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## **Adjunct Professors**

James Michael LeBeau

Tania Milkova Paskova

John T. Prater

Justin Schwartz

Fumio Shimura

Victor Zhirnov