

# Aerospace Engineering (PhD)

## Degree Requirement

Code	Title	Hours
<b>Required Courses</b> <sup>1</sup>		<b>39</b>
Select a minimum of 6 credits (2 courses) of 700 level courses		
Select a minimum of 18 credits (6 courses) 500-level to 700-level MAE courses		
Select a maximum of 15 credits (5 courses) of MAE or non-MAE technical elective courses approved in conjunction with the academic committee		
<b>Research Courses</b>		<b>24</b>
MAE 895	Doctoral Dissertation Research (Complete a minimum of 24 research credits)	
<b>Additional Courses</b>		<b>9</b>
"Additional Courses" are approved in conjunction with the academic committee <sup>2</sup>		
<b>Total Hours</b>		<b>72</b>

<sup>1</sup> "Required Courses" must consist a minimum of two 700-level courses, and may consist of up to five non-MAE courses approved in conjunction with the academic committee.

<sup>2</sup> "Additional Courses" are limited to MAE 500/700-level courses and MAE 895

## Additional Requirements

- Students with a previous MS degree from NCSU:
  - without minor – may transfer up to 18 credit hours
  - with minor – may transfer up to 30 credit hours
- Students with a previous MS from outside NCSU:
  - without minor – may transfer up to 18 credit hours
  - with minor – may transfer up to 18 credit hours

## Faculty

### Full Professors

Gregory D. Buckner

Tarek Echehki

Farhan Saifuddin Gandhi

Tasnim Hassan

He Huang

Jack Ray Edwards Jr.

Srinath Varadarajan Ekkad

Tiegang Fang

Ashok Gopalathnam

Richard David Gould

Xiaoning Jiang

Richard F. Keltie

Clement Kleinstreuer

Andrey Valerevich Kuznetsov

James Woodrow Leach

Hong Luo

Kevin M. Lyons

Gracious Ngaile

Kara Jo Peters

Afsaneh Rabiei

Lawrence M. Silverberg

Juei Feng Tu

Fen Wu

Fuh-Gwo Yuan

Yong Zhu

Mohammed A. Zikry

## Associate Professors

Michael A. Boles

Matthew Bryant

Jeffrey W. Eischen

Scott M. Ferguson

Su Hao

Charles Edward Hall Jr.

Hsiao-Ying Shadow Huang

Andre P. Mazzoleni

Marie Muller

Venkateswaran Narayanaswamy

Brendan Timothy O'Connor

Mark R. Pankow

Katherine Saul

Alexei V. Savelyev

Nitin Sharma

Rohan A. Shirwalker

Hooman Vahedi Tafreshi

Christopher Raymond Vermillion

Chengying Xu

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## Assistant Professors

James Braun

Darius Carter

Mingtai Chen

Chuyi Chen

Curtis Congreve

Landon Grace

Kenneth Granlund

Veeraraghava Raju Hasti

Mohammad Heiranian

Timothy Joseph Horn

Jingjie Hu

Arun Kumar Kota

Andrew Jeungahn Lee

Donggun Lee

Jun Liu

Seyed Mehran Mirramezani

Jason F. Patrick

Pramod Kumar Veera Subbareddy

Henry Oliver Tenadooah Ware

Chi-An Yi

Jie Yin

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## Emeritus Faculty

Thomas A. Dow

Herbert Martin Eckerlin

Hassan A. Hassan

David S. McRae

Robert T. Nagel

John S. Strenkowski