Aerospace Engineering (PhD)

Degree Requirement

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Required Courses</strong></td>
<td>39</td>
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<tr>
<td></td>
<td>Select a minimum of twelve 500- to 700-level courses 1</td>
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<tr>
<td></td>
<td><strong>Minor Courses (Optional)</strong></td>
<td>9</td>
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<tr>
<td></td>
<td>“Minor Courses” are approved in conjunction with the academic committee</td>
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<tr>
<td></td>
<td><strong>Research Courses</strong></td>
<td>24</td>
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<tr>
<td></td>
<td>MAE 895 Doctoral Dissertation Research 1</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Total Hours</strong></td>
<td>72</td>
</tr>
</tbody>
</table>

1 “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.

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 Echekki
Tasnim Hassan
He Huang
Srinath Varadarajan Ekkad
Tiegang Fang
Ashok Gopalarathnam
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
Charles Edward Hall Jr.
Hsiao-Ying Shadow Huang
André P. Mazzoleni
Marie Muller
Venkateswaran Narayananswamy
Brendan Timothy O’Connor
Mark R. Pankow
Katherine Saul
Alexei V. Saveliev
Rohan A. Shirwalker
Hooman Vahedi Tafreshi
Christopher Raymond Vermillion
Chengying Xu

**Assistant Professors**

Landon Grace
Kenneth Granlund
Timothy Joseph Horn
Arun Kumar Kota
Jun Liu
Aerospace Engineering (PhD)

Jason F. Patrick
Pramod Kumar Veera Subbareddy
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