Aerospace Engineering (PhD)

Degree Requirement

<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>
<td>39</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select a minimum of thirteen 500-level to 700-level courses</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Minor Courses (Optional)</strong></td>
<td>9</td>
<td></td>
</tr>
<tr>
<td></td>
<td>&quot;Minor Courses&quot; are approved in conjunction with the academic committee</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Research Courses</strong></td>
<td>24</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MAE 895 Doctoral Dissertation Research</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total Hours 72

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.

2 “Minor Courses” are limited to 500-level and 700-level courses only

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

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. Saveliev
Rohan A. Shirwalker
Hooman Vahedi Tafreshi
Christopher Raymond Vermillion
Chengying Xu

Andrey Valerevich Kuznetsov
James Woodrow Leach
Hong Luo
Kevin M. Lyons
Gracious Ngaile
Kara Jo Peters
Afsanah Rabiei
Lawrence M. Silverberg
Juei Feng Tu
Fen Wu
Fuh-Gwo Yuan
Yong Zhu
Mohammed A. Zikry
Assistant Professors

Landon Grace
Kenneth Granlund
Timothy Joseph Horn
Jingjie Hu
Arun Kumar Kota
Andrew Jeungahn Lee
Jun Liu
Jason F. Patrick
Pramod Kumar Veera Subbareddy
Henry Oliver Tenadooah Ware
Chi-An Yi
Jie Yin

Emeritus Faculty

Thomas A. Dow
Herbert Martin Eckerlin
Hassan A. Hassan
David S. McRae
Robert T. Nagel
John S. Strenkowski