Aerospace Engineering (MS)

Master of Science Degree Requirements

Non-Thesis Option

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
<th>Counts towards</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Required Courses</td>
<td>27</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select a minimum of nine 500-level to 700-level courses approved in conjunction with the academic committee</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Project Course</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MAE 586</td>
<td>Project Work In Mechanical and Aerospace Engineering</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Hours</td>
<td>30</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Thesis Option

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
<th>Counts towards</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Required Courses</td>
<td>21</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select a minimum of seven 500-level to 700-level courses approved in conjunction with the academic committee</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Research Course</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>MAE 695</td>
<td>Master's Thesis Research</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Hours</td>
<td>30</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* "Required Courses" may include up to three non-MAE courses approved by the Director of Graduate Programs

Accelerated Bachelor's/Master's Degree Requirements

The Accelerated Bachelors/Master’s (ABM) degree program allows exceptional undergraduate students at NC State an opportunity to complete the requirements for both the Bachelor’s and Master’s degrees at an accelerated pace. These undergraduate students may double count up to 12 credits and obtain a non-thesis Master’s degree in the same field within 12 months of completing the Bachelor’s degree, or obtain a thesis-based Master’s degree in the same field within 18 months of completing the Bachelor’s degree.

This degree program also provides an opportunity for the Directors of Graduate Programs (DGPs) at NC State to recruit rising juniors in their major to their graduate programs. However, permission to pursue an ABM degree program does not guarantee admission to the Graduate School. Admission is contingent on meeting eligibility requirements at the time of entering the graduate program.

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
Juel 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.

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

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