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>
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</table>

Required Courses

Select a minimum of nine 500-level to 700-level courses approved in conjunction with the academic committee.

Project Course

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
<th>Counts towards</th>
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<tbody>
<tr>
<td>MAE 586</td>
<td>Project Work In Mechanical and Aerospace Engineering</td>
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Total Hours

30

Thesis Option

<table>
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</table>

Required Courses

Select a minimum of seven 500-level to 700-level courses approved in conjunction with the academic committee.

Research Course

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
<th>Counts towards</th>
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<td>MAE 695</td>
<td>Master's Thesis Research</td>
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</tbody>
</table>

Total Hours

30

* “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 Gopalaratham
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. 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 Tenadoohah 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