Nuclear Engineering (MS)

Master of Science Degree Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core Courses</td>
<td>Select 500 - 796 level courses approved in conjunction with the academic committee</td>
<td>15</td>
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<tr>
<td>Research Courses</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>NE 693</td>
<td>Master's Supervised Research</td>
<td></td>
</tr>
<tr>
<td>NE 695</td>
<td>Master's Thesis Research</td>
<td></td>
</tr>
<tr>
<td>NE 699</td>
<td>Master's Thesis Preparation</td>
<td></td>
</tr>
<tr>
<td>Interdisciplinary Courses</td>
<td>&quot;Interdisciplinary Courses&quot; are approved in conjunction with the academic committee to meet 30 total hours</td>
<td>9</td>
</tr>
<tr>
<td>Total Hours</td>
<td></td>
<td>30</td>
</tr>
</tbody>
</table>

* Students are required to take one course above the 700 level.

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

Dmitriy Y. Anistratov

Yousry Y. Azmy

Mohamed Abdelhay Bourham

Nam Truc Dinh

Joseph M. Doster

Jacob Eapen

John G. Gilligan

Ayman I. Hawari

Kostadin Nikolov Ivanov

Associate Professors

Maria Nikolova Avramova

Igor A. Bolotnov

Robert Bruce Hayes

Djamel Kaoumi

Assistant Professors

Alexander William Bataller

Benjamin Warren Beeler

Mihai Aurelian Diaconeasa

Jia Hou

Katharina Stapelmann

Xu Wu

Ge Yang

Practice/Research/Teaching Professors

Eric Paul Loewen

Abderrafi M. Ougouag

Scott Parker Palmtag

Sebastian Schunert

Bernard Wehring

Professors Emeritus

Robin Pierce Gardner

Paul J. Turinsky

Adjunct Faculty

Pavel Bokov

Shannon Michelle Bragg-Sitton

Erik Matthews Brubaker

Jon Dahl

Jeffrey Alan Favorite

David Lindsay Green

Vincent Joseph Jodoin
Philip Allan Kraus
David Kropaczek
Nilesh Kumar
Jeffrey William Lane
Elijah H. Martin
William David Pointer
Curtis Lee Smith
Rene Van Geemert
Louise Gail Worrall
Robert Joseph Zerr