Nuclear Engineering (MS)

Master of Science Degree Requirements

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

Emeritus Faculty

Dmitriy Y. Anistratov
Yousry Y. Azmy
Mohamed Abdelhay Bourham
Nam Truc Dinh
Joseph M. Doster
Jacob Eapen
John G. Gilligian
Ayman I. Hawari
Kostadin Nikolov Ivanov
John Kelly Mattingly
Korukonda Linga Murty
Steven Christopher Shannon
Maria Nikolova Avramova
Igor A. Bolotnov
Robert Bruce Hayes
Djamel Kaoumi
Alexander William Bataller
Benjamin Warren Beeler
Mihai Aurelian Diaconeasa
Jia Hou
Katharina Stapelmann
Xu Wu
Ge Yang
Eric Paul Loewen
Abderrafi M. Ougouag
Abderrafi Mohammed El-Amine Ougouag
Scott Parker Palmtag
Sebastian Schunert
Bernard Wehring
John Frederick Zino
Robin Pierce Gardner
Steven Hamilton
Pavel Bokov
Shannon Michelle Bragg-Sitton
Erik Matthews Brubaker
Jon Dahl
Jeffrey Alan Favorite
David Lindsay Green
Vincent Joseph Jodoin
Philip Allan Kraus
Nilesh Kumar
Jeffrey William Lane
Elijah H. Martin
William David Pointer
Curtis Lee Smith
Rene Van Geemert
Louise Gail Worrall
Robert Joseph Zerr

Associate Professor
Lingfeng He

Assistant Professors
Wen Jiang
Florian Laggner
Amanda Lietz

Teaching Assistant Professor
Zeinab Yousef Alsmadi