# Nuclear Engineering (MS)

## Master of Science Degree Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
<th>Counts towards</th>
<th>Core Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Select 500 - 796 level courses approved in conjunction with the academic committee*</td>
<td>15</td>
<td></td>
<td>Core Courses</td>
</tr>
<tr>
<td></td>
<td>Research Courses</td>
<td>6</td>
<td></td>
<td>Research Courses</td>
</tr>
<tr>
<td>NE 693</td>
<td>Master's Supervised Research</td>
<td></td>
<td></td>
<td>Research Courses</td>
</tr>
<tr>
<td>NE 695</td>
<td>Master's Thesis Research</td>
<td></td>
<td></td>
<td>Research Courses</td>
</tr>
<tr>
<td>NE 699</td>
<td>Master's Thesis Preparation</td>
<td></td>
<td></td>
<td>Research Courses</td>
</tr>
<tr>
<td></td>
<td>Interdisciplinary Courses</td>
<td>9</td>
<td></td>
<td>Interdisciplinary Courses</td>
</tr>
<tr>
<td></td>
<td>&quot;Interdisciplinary Courses&quot; are approved in conjunction with the academic committee to meet 30 total hours</td>
<td></td>
<td></td>
<td>Interdisciplinary Courses</td>
</tr>
<tr>
<td></td>
<td>Total Hours</td>
<td>30</td>
<td></td>
<td>Total Hours</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. Gilligian
- Ayman I. Hawari
- Kostadin Nikolov Ivanov
- John Kelly Mattingly
- Korukonda Linga Murty
- Steven Christopher Shannon

### 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