## Soil Science (MS)

### Degree Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SSC 601</td>
<td>Seminar</td>
<td>1</td>
</tr>
<tr>
<td>SSC 620</td>
<td>Special Problems</td>
<td>2</td>
</tr>
<tr>
<td>SSC 693</td>
<td>Master's Supervised Research</td>
<td>3</td>
</tr>
<tr>
<td>or SSC 695</td>
<td>Master's Thesis Research</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Core Courses</th>
<th>4-7</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select four of the following courses:</td>
<td></td>
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<tr>
<td>SSC 511</td>
<td>Soil Physics</td>
</tr>
<tr>
<td>SSC 521</td>
<td>Soil Chemistry</td>
</tr>
<tr>
<td>SSC 532</td>
<td>Soil Microbiology</td>
</tr>
<tr>
<td>SSC 541</td>
<td>Soil Fertility</td>
</tr>
<tr>
<td>SSC 551</td>
<td>Soil Morphology, Genesis and Classification</td>
</tr>
</tbody>
</table>

### Undergraduate Courses | 6

400-Level undergraduate courses from outside soil science will be determined in conjunction with the academic committee.

### Elective Courses | 18

“Elective Courses” will be determined in conjunction with the academic committee.

### Total Hours | 30

1. Students can take no more than two credits of SSC 601 Seminar total.
2. Students can take four to six credits of SSC 620 Special Problems.
3. Students are required to take a minimum of two credits and no more than six credits of SSC 693 Master's Supervised Research or SSC 695 Master's Thesis Research.
4. Students may have courses waived upon proving competency in the following coursework.
5. Students must take at least 18 hours of letter-graded course work – these must be NC State courses or inter-institutional courses (https://studentservices.ncsu.edu/your-classes/exchange-programs/inter-institutional-program/).

### Additional Requirements

- Successful completion of a research problem
- Non-credit exit seminar
- Additional credit hours of seminar and research may be taken in addition to the required 30 credit hours to fulfill continuous registration requirements, but do not need to be listed on the POW

### Faculty

#### Full Professors

- Aziz Amoozegar
- Stephen W. Broome
- David A. Crouse
- Owen W. Duckworth
- Alan J. Franzlubbers
- John L. Havlin
- Joshua L. Heltman
- Dean L. Hesterberg
- Richard A. McLaughlin
- Michael D. Mullen
- Deanna L. Osmond
- Wei Shi
- Michael J. Vepraskas

#### Associate Professors

- Alexandria K. Graves
- Jeffrey G. White

#### Assistant Professors

- Kevin Garcia
- Terrence G. Gardner
- Luciano C. Gatiboni
- Amy M. Johnson
- Stephanie B. Kulesza
- Matthew C. Ricker
- Alex L. Woodley

#### Emeritus Faculty

- Stanley W. Buol
- Keith Cassel
- Maurice Cook
- Fred Cox
- Carl Crozier
- George Cummings
- J. Wendell Gilliam
- Daniel Israel
- Joseph Kleiss
- David Lindbo
- Gordon Miner
- George C. Naderman Jr.
- Wayne Robarge
Soil Science (MS)

Thomas J. Smyth
Richard Volk
Michael Wagger
Arthur Wollum

Practice/Research/Teaching Professors
Robert E. Austin