The Nuclear Medicine Technology major are responsible for familiarizing themselves with this handbook upon entry into the major.

Requirements

Lower-Division General Education

Written Communication (http://catalog.odu.edu/undergraduate/requirements-undergraduate-degrees/#written) 6
Oral Communication (http://catalog.odu.edu/undergraduate/requirements-undergraduate-degrees/#oral) 3
Mathematics (http://catalog.odu.edu/undergraduate-requirements-undergraduate-degrees/#math) 3
Human Behavior (http://catalog.odu.edu/undergraduate-requirements-undergraduate-degrees/#behavior) 3
Human Creativity (http://catalog.odu.edu/undergraduate-requirements-undergraduate-degrees/#creativity) 3
Interpreting the Past (http://catalog.odu.edu/undergraduate-requirements-undergraduate-degrees/#interpret) 3
Literature (http://catalog.odu.edu/undergraduate-requirements-undergraduate-degrees/#literature) 3
Philosophy and Ethics (http://catalog.odu.edu/undergraduate-requirements-undergraduate-degrees/#philosophy) 3
The Nature of Science (http://catalog.odu.edu/undergraduate-requirements-undergraduate-degrees/#nature) 8
Impact of Technology (http://catalog.odu.edu/undergraduate-requirements-undergraduate-degrees/#impact) 3

Written Communication: grade of C or better required in both courses

Mathematics: STAT 130M and MATH 102M or MATH 103M
Philosophy and Ethics: PHIL 345E preferred; 300/400 level P or E course meets upper division general education/Option D

Nature of Science: CHEM 105N and CHEM 106N, CHEM 107N and CHEM 108N, and PHYS 101N and PHYS 102N
Impact of Technology: HIST 304T preferred but any 300/400 level T course EXCEPT DNTH 440T meets upper-division general education/Option D

Upper-Division General Education

• Option A. Approved Disciplinary Minor, 12 hours minimum; also second degree or second major.
• Option B. Interdisciplinary Minor (specifically 12 hours, 3 of which may be in the major)
• Option C. An approved Certification Program such as teaching licensure
• Option D. Two Upper-Division Courses from outside the College of Health Sciences and not required by the major (6 hours)

Requirements for Graduation

Requirements for graduation include the following:

• Minimum of 120 credit hours.
• Minimum of 30 credit hours overall and 12 credit hours of upper-level courses in the major program from Old Dominion University.
• Minimum overall cumulative grade point average of C (2.00) in all courses taken.
• Minimum overall cumulative grade point average of C (2.00) in all courses taken toward the major.
• Minimum overall cumulative grade point average of C (2.00) in all courses taken toward a minor.
• Completion of ENGL 110C, ENGL 211C or ENGL 231C, and the writing intensive (W) course in the major with a grade of C or better.
  The W course must be taken at Old Dominion University.
• Completion of Senior Assessment.

A variety of clinical facilities in the Hampton Roads area are utilized for clinical education experiences. Students are responsible for providing their own transportation to these sites. Students must meet established programmatic technical standards.

**Departmental Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 240</td>
<td>Fundamentals of Anatomy and Physiology I</td>
<td>4</td>
</tr>
<tr>
<td>or BIOL 250</td>
<td>Human Anatomy and Physiology I</td>
<td></td>
</tr>
<tr>
<td>BIOL 241</td>
<td>Fundamentals of Anatomy and Physiology II</td>
<td>4</td>
</tr>
<tr>
<td>or BIOL 251</td>
<td>Human Anatomy and Physiology II</td>
<td></td>
</tr>
<tr>
<td><strong>Total Credit Hours</strong></td>
<td></td>
<td><strong>8</strong></td>
</tr>
</tbody>
</table>

Students must complete the following courses (or equivalent) prior to entering the nuclear medicine technology program: BIOL 240 or BIOL 250 and BIOL 241 or BIOL 251, CHEM 105N, CHEM 106N, CHEM 107N and CHEM 108N, PHYS 101N and PHYS 102N, and MATH 102M and STAT 130M.

**Nuclear Medicine Technology Major**

**General Education**

Complete lower-division requirements 52-58
Complete upper-division requirements 0-6

**Departmental Requirements**

Complete departmental requirements 8

**Nuclear Medicine Technology**

See requirements below 57

**Total Credit Hours** **117-129**

**Course** | **Title** | **Credit Hours**
---|---|---
**Third Year**

**Fall**

NMED 300 | Medical Terminology | 3
NMED 331 | Fundamental Concepts in Nuclear Medicine Technology | 4

**Spring**

NMED 332 | Nuclear Instrumentation | 4
NMED 335 | Radiation Health | 3
NMED 401 | Nuclear Medicine Technology I | 4
NURS 393 | Clinical Skills for Nonnursing Majors | 2

**Fourth Year**

**Fall**

NMED 450 | Clinical Nuclear Medicine Technology II | 8
NMED 402 | Nuclear Medicine Technology II | 4
NMED 403 | Radiopharmacy | 3

**Spring**

NMED 460 | Clinical Nuclear Medicine Technology III | 8
NMED 410 | Nuclear Medicine and Molecular Imaging | 3
NMED 475W | Administration and Management in Nuclear Medicine Technology | 3

**Elective credit may be needed to meet the minimum requirement of 120 credit hours.**

**Degree Program Guide**

The Degree Program Guide is a suggested curriculum to complete this degree program in four years. It is just one of several plans that will work and is presented only as broad guidance to students. Each student is strongly encouraged to develop a customized plan in consultation with their academic advisor. Additional information can also be found in Degree Works.

**Course** | **Title** | **Credit Hours**
---|---|---
**Freshman**

Fall

ENGL 110C | English Composition | 3
CHEM 105N | Introductory Chemistry | 3
CHEM 106N | Introductory Chemistry Laboratory | 1
MATH 102M or MATH 103M | College Algebra or College Algebra with Supplemental Instruction | 3

**Summer**

Information Literacy | 3

**Sophomore**

Fall

PHYS 101N | Conceptual Physics | 4
Literature | 3
Oral Communication | 3
Human Behavior | 3

**Spring**

PHYS 102N | Conceptual Physics | 4
NMED 300 | Medical Terminology | 3
Human Creativity | 3
Elective (if needed) | 3

Elective credit may be needed to meet the minimum requirement of 120 credit hours.
### Summer

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 240 or BIOL 250</td>
<td>Fundamentals of Anatomy and Physiology I or Human Anatomy and Physiology I</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 241 or BIOL 251</td>
<td>Fundamentals of Anatomy and Physiology II or Human Anatomy and Physiology II</td>
<td>4</td>
</tr>
</tbody>
</table>

**Credit Hours:** 8

### Junior

#### Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>NMED 331</td>
<td>Fundamental Concepts in Nuclear Medicine Technology</td>
<td>4</td>
</tr>
<tr>
<td>PHIL 345E</td>
<td>Bioethics</td>
<td>3</td>
</tr>
<tr>
<td>Impact of Technology (Option D 300-400)</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Elective (if needed)</td>
<td></td>
<td>0-3</td>
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</tbody>
</table>

**Credit Hours:** 10-13

#### Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NMED 332</td>
<td>Nuclear Instrumentation</td>
<td>4</td>
</tr>
<tr>
<td>NMED 335</td>
<td>Radiation Health</td>
<td>3</td>
</tr>
<tr>
<td>NMED 401</td>
<td>Nuclear Medicine Technology I</td>
<td>4</td>
</tr>
<tr>
<td>NURS 393</td>
<td>Clinical Skills for Nonnursing Majors</td>
<td>2</td>
</tr>
</tbody>
</table>

**Credit Hours:** 13

### Summer

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NMED 440</td>
<td>Clinical Nuclear Medicine Technology I</td>
<td>8</td>
</tr>
</tbody>
</table>

**Credit Hours:** 8

### Senior

#### Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NMED 402</td>
<td>Nuclear Medicine Technology II</td>
<td>4</td>
</tr>
<tr>
<td>NMED 403</td>
<td>Radiopharmacy</td>
<td>3</td>
</tr>
<tr>
<td>NMED 450</td>
<td>Clinical Nuclear Medicine Technology II</td>
<td>8</td>
</tr>
</tbody>
</table>

**Credit Hours:** 15

#### Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NMED 410</td>
<td>Nuclear Medicine and Molecular Imaging</td>
<td>3</td>
</tr>
<tr>
<td>NMED 460</td>
<td>Clinical Nuclear Medicine Technology III</td>
<td>8</td>
</tr>
<tr>
<td>NMED 475W</td>
<td>Administration and Management in Nuclear Medicine Technology</td>
<td>3</td>
</tr>
</tbody>
</table>

**Credit Hours:** 14

**Total Credit Hours:** 120-123