Bachelor of Science in Health Sciences
Health Sciences with a Major in Pre-Clinical Studies (BSHS)

The Pre-Clinical Studies major provides clear paths for students interested in graduate health professions with flexibility to select courses, depending on the anticipated graduate degree.

Major Declaration

To officially declare a major in Pre-Clinical Studies, students must complete the following courses with a grade of C or better: HLTH 120G, ENGL 110C, MATH 102M or MATH 103M or MATH 162M, CHEM 121N, CHEM 122N, CHEM 123N, CHEM 124N STAT 130M, and BIOL 250.

Students who have met all major declaration requirements will be referred by their advisor in the Health Sciences Advising Center to the program director for major declaration and assignment to a program advisor. For additional information on the curriculum or major declaration requirements, please contact the College of Health Sciences Advising Center (hsadvising@odu.edu).

Continuance and Readmission Policy

In addition to the Old Dominion University continuance policies in this catalog, the following policies are specific to all declared majors in the Pre-Clinical Studies Program:

1. A grade of C (2.00) or better is required in all required core courses and Pre-Clinical Studies major electives to continue in the program.
2. A student who earns a grade of C- or lower will not be considered in good academic standing in the major and must retake the course in the next semester the course is offered.
3. A Pre-Clinical Studies major student who does not earn a grade of C or higher in multiple major courses may be undeclared and must meet with the program director to create an academic success plan that outlines requirements for continuation in the major. Students who continue to meet continuance requirements for more than one semester may be removed from the major and referred to the Academic Success Center for advising and degree counseling.
4. A cumulative grade point average of 2.7 or better is required to continue in the Pre-Clinical Studies program.
5. A student may be readmitted to the Pre-Clinical Studies major only once.

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
Language and Culture (http://catalog.odu.edu/undergraduate/requirements-undergraduate-degrees/#language) 0-6
Information Literacy and Research (http://catalog.odu.edu/undergraduate/requirements-undergraduate-degrees/#information) 3
Human Behavior (http://catalog.odu.edu/undergraduate/requirements-undergraduate-degrees/#behavior) 3
Mathematics (http://catalog.odu.edu/undergraduate/requirements-undergraduate-degrees/#math) 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

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.

Pre-Clinical Studies Major

General Education

Complete lower-division requirements 32-41
Complete upper-division requirements (minimum of 6 credit hours) 3-6

Prerequisite Course

HLTH 120G Information Literacy for Health Professions 3

Core Courses BSHS

HLSC 320 Health Equity and Disability Culture 3
HLSC 335 Population Health 3
or HMSV 339 Interpersonal Relations 3
HLSC 390 The U.S. Healthcare Delivery System 3
HLSC 485 Health Informatics 3
Health Sciences with a Major in Pre-Clinical Studies (BSHS)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NMED 300</td>
<td>Medical Terminology</td>
<td>3</td>
</tr>
<tr>
<td>HLSC 445</td>
<td>Health Services Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 250</td>
<td>Human Anatomy and Physiology I</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 251</td>
<td>Human Anatomy and Physiology II</td>
<td>4</td>
</tr>
<tr>
<td>Select one of the following:</td>
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<td></td>
</tr>
<tr>
<td>HLSC 403W</td>
<td>Management in the Clinical Setting</td>
<td></td>
</tr>
<tr>
<td>EXSC 431W</td>
<td>Wellness Programming and Administration</td>
<td></td>
</tr>
<tr>
<td>HLSC 430W</td>
<td>Community Health Resources and Health Promotion</td>
<td></td>
</tr>
</tbody>
</table>

**Pre-Clinical Studies Electives**

| Total Credit Hours | 103-115 |

* Grade of C or better required.

Please contact your College of Health Sciences advisor for guidance on elective selection for specific pathways of study. Pre-Clinical Studies Electives may be selected from the following course options:

- **Biology**: BIOL 121N, BIOL 122N, BIOL 123N, BIOL 124N, BIOL 150, BIOL 151, BIOL 293, BIOL 294, BIOL 316, BIOL 317
- **Chemistry**: CHEM 211, CHEM 212, CHEM 213, CHEM 214, CHEM 441
- **Cytology**: CYTO 404, CYTO 407, CYTO 430
- **Exercise Science**: EXSC 322, EXSC 326, EXSC 327, EXSC 408, EXSC 417
- **Health Sciences**: HLSC 405 or 300/400-level HLSC Study Abroad course
- **Medical Diagnostic and Translational Sciences**: MDT 400, MDT 401
- **Medical Laboratory Science**: MLS 307, MLS 308, MLS 310, MLS 313, MLS 320, MLS 322, MLS 339, MLS 340
- **Nuclear Medicine Technology**: NMED 335
- **Physics**: PHYS 111N, PHYS 112N
- **Psychology**: PSYC 203S, PSYC 306, PSYC 353, PSYC 405

**Electives**

Additional elective credit may be needed to meet the minimum of 120 credit hours required for the degree.

**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.
### Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>MLS 403W OR EXSC 431W OR HLSC 430W^</td>
<td>3</td>
</tr>
<tr>
<td>Pre-Clinical Electives^</td>
<td>8</td>
</tr>
<tr>
<td>Minor Course, Elective, or Oral Communication (if HMSV 339 not taken)^</td>
<td>3</td>
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**Credit Hours:** 14

### Senior

#### Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>HLSC 485</td>
<td>Health Informatics**</td>
</tr>
<tr>
<td>Pre-Clinical Electives^</td>
<td>9</td>
</tr>
</tbody>
</table>

**Credit Hours:** 12

#### Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLSC 468</td>
<td>Internship^</td>
</tr>
<tr>
<td>Pre-Clinical Electives^</td>
<td>6</td>
</tr>
<tr>
<td>Minor Course, Elective, or Upper Division General Education+</td>
<td>3</td>
</tr>
</tbody>
</table>

**Credit Hours:** 12

**Total Credit Hours:** 120

* Grade of C or better required

** CHEM 103 with a grade of C or better may be required as a pre-requisite for CHEM 121N. Please consult with your advisor to determine whether you need this course. If not, a general elective may be completed instead.

*** If you completed HLSC 335 and did not complete HMSV 339, you will still need to meet the University's Oral Communication requirement. Consult your advisor for guidance.

+ Additional electives may be needed to reach 120 hours.