

## Requirements for the Bachelor of Science (B.S.) at OHSU

Requirements for the Bachelor of Science (B.S.) degree at OHSU are governed by the [Degree/Certificate Standards policy \(02-70-035\)](#). Accordingly, students completing a B.S. at OHSU must:

- Complete a minimum of 180 credits, of which:
  - a minimum of 45 credits must be earned in residence at OHSU
  - a minimum of 45 credits must be General Education credits
  - a minimum of 48 credits must be upper-division (300-400 level)
- Have a minimum cumulative OHSU undergraduate GPA of 2.0
- Complete all requirements within 5 years of matriculation at OHSU

### COMPONENTS OF THE DEGREE

The B.S. degree consists of three components: major requirements, general education requirements, and electives.

<b>NURSING MAJOR REQUIREMENTS</b> <ul style="list-style-type: none"> <li>• Major Core courses</li> <li>• Major Supplementary courses</li> </ul>	<b>RADIATION THERAPY MAJOR REQUIREMENTS</b> <ul style="list-style-type: none"> <li>• Major Core courses</li> <li>• Major Supplementary courses</li> </ul>
<b>GENERAL EDUCATION</b>	
<b>ELECTIVES</b>	

### General Education Requirements

General education requirements are intended to provide students with exposure to a wide range of disciplines and areas of knowledge and to ensure they develop a set of general critical competencies. All students earning a B.S. at OHSU complete the same general education requirements. OHSU does not offer general education coursework: courses must be taken at other institutions and transferred to OHSU. Acceptance of transfer credit is governed by the [Transfer of Course Credit policy \(02-70-005\)](#) and the accompanying [Undergraduate Transfer Procedure](#).

Requirement	Description	Credits
Writing	Coursework focused primarily on academic writing skills	8
Quantitative Skills	A college-level course in mathematics/statistics (must have a prerequisite of intermediate algebra or higher)	3
Science	Coursework in biology, chemistry, computer science, engineering, environmental studies, geology, nutrition, physical geography, physics, or similar discipline as approved by the OHSU Registrar; at least one course must include a lab	16
Social Science	Coursework in anthropology, criminal justice, cultural geography, cultural studies, economics, environmental studies, gender or ethnic studies, gerontology, history, international studies, political science, psychology, social justice, sociology, or similar discipline as approved by the OHSU Registrar	9
Humanities	Coursework in art, communications, English, ethics, film/media studies, foreign language/ASL, linguistics, humanities, journalism, law, literature, music, philosophy, religion, public speaking, theater arts, or similar discipline as approved by the OHSU Registrar	9
<b>TOTAL</b>		<b>45</b>

### *Students with Previous Degrees*

OHSU accepts the Associate of Arts Oregon Transfer (AAOT) or an equivalent degree approved by the OHSU Registrar, or any baccalaureate degree conferred from an appropriately accredited college or university to fulfill all general education requirements. Students holding a baccalaureate degree from a foreign institution must submit documentation from an approved credential evaluation service (see [Undergraduate Transfer Procedure](#)) verifying that the degree is equivalent to a U.S. baccalaureate degree or higher to be considered second baccalaureate degree students.

### **Major Requirements**

The major consists of coursework in a focused field of study. Major requirements are set by the school or program and may include restrictions on the recency of earned credits and minimum grade. The major at OHSU is composed of two types of coursework: core courses and supplementary courses.

#### MAJOR CORE COURSES

The major core consists of focused coursework in the major field that is offered through OHSU or through a partner institution of the Oregon Consortium for Nursing Education (OCNE). Major core coursework *may not* be used to fulfill general education requirements.

#### MAJOR SUPPLEMENTARY COURSES

The major supplementary courses support learning in the major field and are not offered at OHSU. Courses must be taken at other institutions and transferred to OHSU. Acceptance of transfer credit is governed by the [Transfer of Course Credit policy \(02-70-005\)](#) and the accompanying [Undergraduate Transfer Procedure](#). Major Supplementary courses *may* be used to fulfill general education requirements.

### **Electives**

Electives are courses needed to meet the 180-credit minimum for the degree but not required to meet the general education or major requirements. Any course outside the major core subject area taken at OHSU or accepted in transfer may be used to meet the electives requirement.

### *Students with Previous Degrees*

OHSU accepts the Associate of Arts Oregon Transfer (AAOT) or an equivalent degree approved by the OHSU Registrar to fulfill up to 45 credits of electives and any baccalaureate degree conferred from an appropriately accredited college or university to fulfill all elective credits.

## B.S., Major in Nursing Requirements

### ACCELERATED BACCALAUREATE PROGRAM

#### B.S. Credit Requirements

Degree Requirements	Credits
Major Core	72
Major Supplementary	28
General Education	45*
Electives	35*
<b>TOTAL</b>	<b>180</b>

*\*Fulfilled by previous bachelor's degree*

#### Major Supplementary Courses

Anatomy & Physiology (12 cr.)

Biology with Genetics (3 cr.)

Human Development (3 cr.)

Microbiology (4 cr.)

Nutrition (3 cr.)

Statistics (3 cr.)

#### Major Core Courses

*A minimum grade of C- is required in all courses*

NRS 210 Foundations of Nursing—Health Promotion (9 cr.)

NRS 230 Clinical Pharmacology I (3 cr.)

NRS 231 Clinical Pharmacology II (3 cr.)

NRS 232 Pathophysiological Processes I (3 cr.)

NRS 233 Pathophysiological Processes II (3 cr.)

NRS 331 Nursing in Chronic Illness and End-of-Life Care (9 cr.)

NRS 332 Nursing in Acute Care Across the Lifespan (12 cr.)

NRS 410 Population Health Practice (9 cr.)

NRS 411 Epidemiology (3 cr.)

NRS 412A Nursing Leadership in Health Care Delivery Systems (3 cr.)

NRS 412B Nursing Leadership in Health Care Delivery Systems (3 cr.)

NRS 435 Integrated Practicum (12 cr.)

**3-YEAR PROGRAM**

General Education Requirements Fulfilled by the Nursing Major Supplementary Courses

General Education Requirement*	Credits Required	Credits Fulfilled	Credits Remaining
Writing	8 cr.	—	8 cr.
Quantitative Skills	3 cr.	—	3 cr.**
Science	16 cr.	16 cr.	—
Social Science	9 cr.	3 cr.	6 cr.
Humanities	9 cr.	—	9 cr.
<b>TOTAL</b>	<b>45 cr.</b>	<b>19 cr.</b>	<b>26 cr.</b>

\*Fulfilled by previous AAOT or bachelor's degree

\*\* Fulfilled by a Statistics course with a prerequisite of intermediate algebra or higher. Students transferring a statistics course with a lower or no prerequisite must take a Quantitative Skills Course as defined under General Education Requirements in place of 3 credits of electives.

**B.S. Credit Requirements**

Degree Requirement	Credits
Major Core	93
Major Supplementary	28
General Education not met in the major	23-26*
Electives	33-36**
<b>TOTAL**</b>	<b>180</b>

\*Fulfilled by previous AAOT or bachelor's degree; \*\* Fulfilled by previous bachelor's degree  
15 credits of the 87 non-nursing credits must be upper-division**Major Supplementary Courses**

Anatomy & Physiology (12 cr.)  
 Biology with Genetics (3 cr.)  
 Human Development (3 cr.)  
 Microbiology (4 cr.)  
 Nutrition (3 cr.)  
 Statistics (3 cr.)

**Major Core Courses**

A minimum grade of C- is required in all courses

NRS 210 Foundations of Nursing—Health Promotion (9 cr.)  
 NRS 211 Foundations of Nursing in Chronic Illness I (6 cr.)  
 NRS 212 Foundations of Nursing in Acute Care I (6 cr.)  
 NRS 230 Clinical Pharmacology I (3 cr.)  
 NRS 231 Clinical Pharmacology II (3 cr.)  
 NRS 232 Pathophysiological Processes I (3 cr.)  
 NRS 233 Pathophysiological Processes II (3 cr.)  
 NRS 321 Foundations of Nursing in Chronic Illness II and End of Life (9 cr.)  
 NRS 322 Foundations of Nursing in Acute Care II and End of Life (9 cr.)  
 NRS 410 Population Health Practice (9 cr.)  
 NRS 411 Epidemiology (3 cr.)  
 NRS 412 Nursing Leadership in Health Care Delivery Systems (10 cr.)  
 NRS 413 Introduction to Research for Nurses (2 cr.)  
 NRS 424 Integrative Practicum I (9 cr.)  
 NRS 425 Integrative Practicum II (9 cr.)

**RN TO BS**

*Requires previous completion of an Associate of Applied Science (AAS) degree in Nursing. Requirements differ depending on whether students completed the AAS at a partner institution of the Oregon Consortium for Nursing Education (OCNE) or at a non-OCNE institution.*

## General Education Requirements Fulfilled by the Nursing Major Supplementary Courses

General Education Requirement*	Credits Required	Credits Fulfilled	Credits Remaining
Writing	8 cr.	—	8 cr.
Quantitative Skills	3 cr.	—	3 cr.**
Science	16 cr.	16 cr.	—
Social Science	9 cr.	3 cr.	6 cr.
Humanities	9 cr.	—	9 cr.
<b>TOTAL</b>	<b>45 cr.</b>	<b>19 cr.</b>	<b>26 cr.</b>

*\*Fulfilled by previous AAOT or bachelor's degree*

*\*\* Fulfilled by a Statistics course with a prerequisite of intermediate algebra or higher. Students transferring a statistics course with a lower or no prerequisite must take a Quantitative Skills Course as defined under General Education Requirements in place of 3 credits of electives.*

## Credit Requirements

Degree Requirement	Credits
Major Core	93
Major Supplementary	28
General Education not met in the major	23-26*
Electives	33-36**
<b>TOTAL**</b>	<b>180</b>

*\*Fulfilled by previous AAOT or bachelor's degree; \*\* Fulfilled by previous bachelor's degree 15 credits of the 87 non-nursing credits must be upper-division*

**Major Supplementary Courses**

Anatomy & Physiology (12 cr.)

Biology with Genetics (3 cr.)

Human Development (3 cr.)

Microbiology (4 cr.)

Nutrition (3 cr.)

Statistics (3 cr.)

**Major Core Courses**

*A minimum grade of C- is required in all courses*

Requirements fulfilled by the AAS in Nursing (60<sup>a</sup>/54<sup>b</sup> cr.)

NRS 210 (9<sup>a</sup>/6<sup>b</sup> cr.), NRS 211 (6 cr.), NRS 212 (6 cr.), NRS 230 (3 cr.), NRS 231 (3 cr.), NRS 232 (3 cr.), NRS 233 (3 cr.), NRS 321 (9<sup>a</sup>/6<sup>b</sup> cr.), NRS 322 (9 cr.), NRS 424 (9 cr.)

NRS 313<sup>c</sup> Concepts in Health Promotion throughout the Lifespan (3 cr.)

NRS 314<sup>c</sup> Chronic Illness and End of Life (3 cr.)

NRS 410A Population Health Practice (3 cr.)

NRS 410B Population Health Practice (6 cr.)

NRS 411 Epidemiology (3 cr.)

NRS 412RA Professional Nursing in Health Policy and Health Care Delivery Systems (3 cr.)

NRS 412RB Nursing Leadership: Health Care Culture and Collaborative Practice (3 cr.)

NRS 412RC Nursing Leadership & Management in Healthcare (3 cr.)

NRS 412RD Nursing Leadership Practice in Quality Improvement (3 cr.)

NRS 426A Integrative Practicum (6 cr.)

NRS 427 Practice Integration (3 cr.)

<sup>a</sup> AAS from an OCNE partner school

<sup>b</sup> AAS from a non-OCNE school

<sup>c</sup> Fulfilled for students with an AAS from an OCNE partner institution

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## B.S., Major in Radiation Therapy Requirements

### General Education Requirements Not Fulfilled by the Radiation Therapy Major Supplementary Courses

Social Science (6 cr.)

Humanities (9 cr.)

### Major Supplementary Courses

Anatomy and physiology (12 cr.)<sup>b, c</sup>

Chemistry or Biology with lab (12 cr.)<sup>b, c</sup>

Physics (12 cr.)<sup>b, c</sup>

Nutrition (3 cr.)<sup>b, c</sup>

Human Development (3 cr.)<sup>a, c</sup>

Academic writing (9 cr.)<sup>a, c</sup>

Mathematics (8 cr.): two terms of pre-calculus mathematics including trigonometry<sup>d</sup>

### Major Core Courses (117 cr.)

*A minimum grade of C is required in all courses*

ANAT 444 Anatomy for Radiation Therapists (3 cr.)

CONJ 311 Aging for Health Care Providers (2 cr.)

CONJ 412 Medical Law (2 cr.)

IPE 401 Foundations of Patient Safety & IP Practice (variable cr.) – 1 cr. required

RDTT 303 Practical Radiation Therapy (1 cr.)

RDTT 305 Medical Terminology (3 cr.)

RDTT 309 Clinic (variable cr.) – 16 cr. required

RDTT 310/311 Introduction to Radiation Therapy I/II (3 cr.) – 6 cr. total

RDTT 313 Radiographic Technique (3 cr.)<sup>b, c</sup>

RDTT 314 Simulation (3 cr.)

RDTT 316 Sectional Anatomy and Imaging Modalities (2 cr.)

RDTT 320 Basic Patient Care Skills in Radiation Therapy (3 cr.)

RDTT 321 Patient Care in Radiation Oncology (3 cr.)

RDTT 328 Quality Improvement and Change Management (2 cr.)

RDTT 331 Radiation Therapy Physics I (3 cr.)

RDTT 332/333 Pathophysiological Processes I/II (3 cr.) – 6 cr. total

RDTT 340 Radiobiology (3 cr.)

RDTT 400 Introduction to Medical Research Methods (2 cr.)

RDTT 401 Independent Research (1 cr.) – 3 cr. required

RDTT 403 Practical Radiation Therapy (1 cr.)

RDTT 405A/B/C Radiation Oncology I/II/III (3 cr.) – 9 cr. total

RDTT 407 Radiation Therapy Registry Review (3 cr.)

RDTT 409 Clinic (variable cr.) – 22 cr. Required

RDTT 411/412/413 Dosimetry I/II/III (2 cr.) – 6 cr. total

RDTT 430/431/432 Radiation Therapy Physics II/III/IV (3 cr.) – 9 cr. total

<sup>a</sup> Fulfilled for any previous bachelor's degree

<sup>b</sup> Fulfilled for a previous associates degree in Radiologic Technology

<sup>c</sup> Fulfilled for a previous bachelor's degree in Radiologic Science

<sup>d</sup> Fulfilled by a transcribed course in calculus or higher

## **Requirements for the Bachelor of Science (B.S.) at OHSU – Addendum**

### *Updates to the B.S. with a major in Radiation Therapy*

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#### **B.S., Major in Radiation Therapy Requirements**

##### **General Education Requirements Not Fulfilled by the Radiation Therapy Major Supplementary Courses**

Social Science (6 cr.)

Humanities (9 cr.)

##### **Major Supplementary Courses**

Anatomy and physiology (12 cr.)<sup>b, c</sup>

Chemistry or Biology with lab (12 cr.)<sup>b, c</sup>

Physics (12 cr.)<sup>b, c</sup>

Nutrition (3 cr.)<sup>b, c</sup>

Human Development (3 cr.)<sup>a, c</sup>

Academic writing (9 cr.)<sup>a, c</sup>

Pre-calculus mathematics with trigonometry, or higher (3 cr.)

##### **Major Core Courses (117 cr.)**

*A minimum grade of C is required in all courses*

ANAT 444 Anatomy for Radiation Therapists (3 cr.)

CONJ 311 Aging for Health Care Providers (2 cr.)

CONJ 412 Medical Law (2 cr.)

IPE 401 Foundations of Patient Safety & IP Practice (1 cr. total)

RDTT 303 Practical Radiation Therapy (1 cr.)

RDTT 305 Medical Terminology (3 cr.)

RDTT 309 Clinic (16 cr. total)

RDTT 310 Introduction to Radiation Therapy I (3 cr.)

RDTT 311 Introduction to Radiation Therapy II (3 cr.)

RDTT 313 Radiographic Technique (3 cr.)<sup>b, c</sup>

RDTT 314 Simulation (3 cr.)

RDTT 316 Sectional Anatomy and Imaging Modalities (2 cr.)

RDTT 320 Basic Patient Care Skills in Radiation Therapy (3 cr.)

RDTT 321 Patient Care in Radiation Oncology (3 cr.)

RDTT 328 Quality Improvement and Change Management (2 cr.)

RDTT 331 Radiation Therapy Physics I (2 cr.)

RDTT 332 Pathophysiological Processes I (3 cr.)

RDTT 333 Pathophysiological Processes II (3 cr.)

RDTT 340 Radiobiology (3 cr.)

RDTT 400 Introduction to Medical Research Methods (2 cr.)

RDTT 401 Independent Research (3 cr. total)

RDTT 403 Practical Radiation Therapy (1 cr.)

RDTT 405A Radiation Oncology I (3 cr.)

RDTT 405B Radiation Oncology II (3 cr.)

RDTT 405C Radiation Oncology III (3 cr.)

RDTT 407 Radiation Therapy Registry Review (3 cr.)

RDTT 409 Clinic (22 cr. total)

RDTT 411 Dosimetry I (2 cr.)

RDTT 412 Dosimetry II (2 cr.)



RDTT 413 Dosimetry III (2 cr.)

RDTT 430 Radiation Therapy Physics II (4 cr.)

RDTT 431 Radiation Therapy Physics III (3 cr.)

RDTT 432 Radiation Therapy Physics IV (3 cr.)

<sup>a</sup> *Fulfilled for any previous bachelor's degree*

<sup>b</sup> *Fulfilled for a previous associates degree in Radiologic Technology*

<sup>c</sup> *Fulfilled for a previous bachelor's degree in Radiologic Science*