

2024 – 2025 WASHBURN UNIVERSITY

UNDERGRADUATE SPRING ADDENDUM

The Spring 2025 updates and additions have been approved through both Washburn University college/school governance and university governance in Fall 2024. This addendum was created by the Office of Academic Affairs and submitted to the Registrar in December 2024. If you have any questions regarding these additions, please contact the Office of Academic Affairs at vpaa@washburn.edu.

COURSE UPDATES

BI 106 - Addition of Gen Ed Pre-AY 2024-2025: Natural Science, update p. 108 and 379 in 24-25 catalog

BI 106 Everyday Biology (5)

An integrated lecture and laboratory course designed for people pursuing degrees outside the natural or health sciences and who are interested in understanding basic biological concepts and their applications in everyday life. Topics include scientific inquiry, health, nutrition, natural resources, ecosystems, and biotechnology. Laboratory exercises apply biological concepts towards investigating pertinent questions. This course requires no previous science or mathematics background and cannot count towards Biology Department degree programs. Fulfills the general education requirement of a natural science course with lab. Course consists of three hours of lecture and three hours of laboratory exercises per week. Prerequisites: None.

Course Attributes:

- Gen Ed AY 2024-2025: Natural and Physical Sciences
- Gen Ed AY 2024-2025: Scientific Reasoning and Literacy
- **Gen Ed Pre-AY 2024-2025: Natural Science**
- USLO: Quantitative and Scientific Reasoning and Literacy

CH 111 - Addition of Gen Ed Pre-AY 2024-2025: Natural Science, update p. 119 and 388 in 24-25 catalog

CH 111 Chemistry in Everyday Life (0-5)

An integrated lecture and laboratory course designed for people pursuing degrees outside the natural or health sciences and who are interested in understanding basic chemistry concepts and their applications in everyday life. Topics include composition, phases and structure of matter, chemical reactions, solution chemistry, electrochemistry, and chemical equilibrium and their effects on health, the environment, water quality, energy sources, food, and polymers. Lab exercises help students apply concepts and models. This course requires no previous science or mathematics background and cannot count towards Chemistry Department degree programs. Fulfills the general education requirement of a natural science course with lab. Course consists of three hours of lecture and three hours of laboratory exercises per week. Prerequisites: None.

Course Attributes:

- Gen Ed AY 2024-2025: Natural and Physical Sciences
- Gen Ed AY 2024-2025: Scientific Reasoning and Literacy
- **Gen Ed Pre-AY 2024-2025: Natural Science**
- USLO: Quantitative and Scientific Reasoning and Literacy

PROGRAM UPDATES

Respiratory Therapy, AAS – Addition of one Social and Behavioral Sciences General Education course, 3 credit hours, update p. 267 in 24-25 catalog

- See attached updated catalog page – page 3

NEW PROGRAMS

Middle Grades Math, BEd

- See attached catalog page – page 4

RESPIRATORY THERAPY, AAS

The Respiratory Therapy program leads to an Associate of Applied Science (AAS) degree in Respiratory Therapy. Upon completion of the program, students are eligible to take the national credentialing examination to become a Registered Respiratory Therapist (RRT). The program features general educational and science prerequisites, as well as respiratory therapy courses. Interested students are required to make application for admission to the Respiratory Therapy Program. Eighteen students are accepted for the fall of each year.

Program Mission

The Respiratory Therapy program is focused on development of qualified graduates who are prepared to provide the essentials for the safe and effective delivery of respiratory care and patient education.

Program Goals

The Respiratory Therapy program focuses on developing qualified graduates by preparing them to provide the essentials for the safe and effective delivery of respiratory care and patient education. The goal of the Respiratory Care program is to prepare graduates with demonstrated competence in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains of respiratory care practice as performed by registered respiratory therapists (RRTs). Professional competence combines cognitive, psychomotor, and affective skills essential for the safe and effective delivery of respiratory care. The Respiratory Care Program uses the outcome-based education model to ensure students develop and master the knowledge, skills, and professional behaviors expected of the registered respiratory therapist (RRT).

Washburn University Assessment – Program Student Learning Outcomes

Upon completion of the program students will be able to:

- PSLO 1: Demonstrate the ability to comprehend, apply, and evaluate medical information relevant to a registered respiratory therapist.
- PSLO 2: Demonstrate the technical proficiency in all skills necessary to function as a registered respiratory therapist.
- PSLO 3: Demonstrate professional behavior consistent with employer expectations as performed by registered respiratory therapists.

Accreditation

The Respiratory Therapy program is accredited by the Commission on Accreditation for Respiratory Care (www.coarc.com (<http://www.coarc.com>)).

Commission on Accreditation for Respiratory Care
264 Precision Blvd
Telford, TN 37690

Respiratory Therapy Student Organization

The Respiratory Care Student Organization (RCSO) is made up of current Respiratory Therapy majors. The purpose of the RCSO is to promote the purpose and program of respiratory care to the community including but not limited to: asthma education, smoking cessation, ECG screening, and

pulmonary function screening; and to compete in the academic contest at the annual Kansas Respiratory Care Society's conference.

Admission Requirements

This program has special admission requirements due to limited enrollment. Interested students should contact the Allied Health Department for specific requirements or visit <https://www.washburn.edu/academics/college-schools/applied-studies/departments/allied-health/rt/index.html> (<https://www.washburn.edu/academics/college-schools/applied-studies/departments/allied-health/rt/>). The Respiratory Therapy Program adheres to policies of non-discrimination as defined by various federal and state laws and regulations.

Degree Requirements

In addition to the requirements stated below, students must complete 15 hours of General Education (<https://catalog.washburn.edu/undergraduate/programs-degrees-graduation-requirements/general-education-requirements/>) and all requirements for an Associate of Applied Science (<https://catalog.washburn.edu/undergraduate/programs-degrees-graduation-requirements/university-requirements-common-all-associate-degrees/>) degree. Some of the courses below may also fulfill general education or other degree requirements. Please see your advisor for more information.

Code	Title	Hours
Required Courses Inside Department ¹		
AL 101	Foundations of Healthcare	3
AL 185	Principles of Respiratory Therapy I	2
AL 186	Cardiopulmonary Assessment	2
AL 187	Respiratory Therapy Clinical I	3
AL 289	Respiratory Therapy Clinical II	5
AL 291	Respiratory Therapy Principles and Procedures I	3
AL 292	Respiratory Therapy Principles and Procedures II	5
AL 293	Respiratory Therapy Clinical III	5
AL 294	Respiratory Therapy Clinical Topics II	3
AL 295	Respiratory Therapy Clinical IV	5
AL 296	Respiratory Therapy Clinical Topics III	3
AL 315	Allied Health Pharmacology	3
AL 382	Cardiovascular Monitoring and Scanning	3
Subtotal		45
Required Courses Outside Department ¹		
BI 230	Introduction to Human Physiology ²	3
BI 250	Introduction to Human Anatomy ²	3
WU 101	The Washburn Experience	3
Social and Behavioral Sciences General Education Course ³		3
Subtotal		12
Total Hours		57

¹ Students must receive a C or better in each course.

² BI 100 is a required prerequisite for this course.

³ Students must select an approved KSSS course. See catalog (<https://catalog.washburn.edu/undergraduate/programs-degrees-graduation-requirements/updated/>) for a list of courses.

MIDDLE GRADES MATH, BEd

The Middle Grades Math Education program prepares students for licensure in mathematics in grades 5-8. Candidates for the degree and licensure in Middle Grades Math Education are advised by the faculty of the Department of Education.

Degree Requirements

In addition to the requirements stated below, students must complete 34-35 hours of General Education (<https://catalog.washburn.edu/undergraduate/programs-degrees-graduation-requirements/general-education-requirements/>), all requirements for a Bachelor of Education degree, and any additional hours needed to reach the minimum 120 credit hours required for graduation. Some of the courses below may also fulfill general education or other degree requirements.

Code	Title	Hours
Required Courses Inside Department		
<i>Pre-Admission Professional Education Courses</i>		
ED 155	Teaching, Learning, Leadership	3
ED 285	Educational Psychology	3
Subtotal		6
<i>Post-Admission CORE Education Courses</i>		
ED 165	Ed. 1, Examining Teaching as a Profession: Diversity 1, Literacy 1, Technology 1	3
ED 275	Ed. 2 Exploring Teaching as a Profession (Classroom Management 1, Diversity 2, Technology 2) Ed. 2	3
ED 295	Ed. 3 Experiencing Teaching as a Profession (Classroom Management 2, Diversity 3, Literacy 2)	3
ED 302	Teaching Exceptional Learners	3
ED 319	STEM Practicum I	1
ED 321	STEM Practicum II	1
ED 340	Teaching in Adolescent Middle Level Environment	2
ED 349	Middle Level Mathematics Practicum	1
ED 354	Curriculum and Assessment	3
ED 395	Ed. 4 Extending Teaching as a Profession (Classroom Management 3, Literacy 3, Technology 3)	3
ED 415	5th-8th Grade Student Teaching	12
Subtotal		35
Required Courses Outside Department		
<i>Required Mathematics Courses</i>		
MA 116	College Algebra	3
MA 117	Trigonometry	3
MA 140	Statistics	3
MA 151	Calculus & Analytic Geometry I	5
MA 200	Number & Operation for Elementary Teachers	3
MA 201	Geometry, Proportion & Data Analysis for Elementary Teachers	3
MA 204	Number Theory and Discrete Math for Middle School Teachers	3

MA 260	Introduction to Number Theory	3
MA 281	History of Early Mathematics	1
MA 320	Mathematics for Middle School Teachers	3
Subtotal		30
<i>Other Required Courses</i>		
CN 150	Public Speaking	3
PY 211	Adolescent Psychology	3
WU 101	The Washburn Experience	3
Subtotal		9
Total Hours		80