

Baccalaureate Respiratory Care Courses

Program Curriculum

RPTH B10 – Advanced Cardiopulmonary Care (3 units)

Hours/semester: 48-54 lecture. Prerequisite: Admission to the Bachelor of Science in Respiratory Care Program

Provides an analytical framework through which students will expand their knowledge of respiratory diseases, diagnostic procedures, and symptom management. Includes detailed assessment of cardiopulmonary and neurorespiratory diseases, performance of diagnostic testing, medical interventions, and analysis of treatment benefits.

RPTH B15 – Sleep Medicine and Respiratory Care (3 units)

Hours/semester: 48-54 lecture. Prerequisite: Admission to the Bachelor of Science in Respiratory Care Program

Prepares students to apply polysomnography to diagnose sleep disorders. Students will gain knowledge and skills related to the normal development of sleep pattern and demonstrate the ability to identify specific sleep disorders as well as score sleep stages and respiratory patterns. Emphasis is placed on pediatric and adult assessment, monitoring, and sleep disorders.

RPTH B20 – Advanced Respiratory Case Management (3 units)

Hours/semester: 48-54 lecture. Prerequisite: Admission to the Bachelor of Science in Respiratory Care Program

Applied case management in Respiratory Care highlighting facilitation, integration, coordination and transition of patients through the continuum of care. Students effectively apply strategies for collaboration between the case manager, the client, the payer and appropriate service personnel, in order to optimize the outcome while maintaining client privacy and confidentiality, health, and safety through advocacy and adherence to ethical, legal, accreditation, certification and regulator standards or guidelines.

RPTH B30 – Principles of Health Education (3 units)

Hours/semester: 48-54 lecture. Prerequisite: Admission to the Bachelor of Science in Respiratory Care Program

Provides an analytical framework to teach adult learning theory and prepare the student to teach effectively in healthcare and classroom settings. Topics include learning styles, curriculum development, effective teaching techniques, and assessment of learning.

RPTH B40 – Health Care Research Design and Methodology (3 units)

Hours/semester: 48-54 lecture. Prerequisite: Admission to the Bachelor of Science in Respiratory Care Program

Analysis of research design and methodology in health care and health sciences. Emphasis will include research evaluation and interpretation of results, design methodology, the planning and approval process, data collection and analysis, and communication and presentation of the results.

RPTH B50 – Respiratory Care Leadership and Management I (3 units)

Hours/semester: 48-54 lecture. Prerequisite: Admission to the Bachelor of Science in Respiratory Care Program

Leadership and management theories in effective practices in the healthcare setting. Organizational structure of current healthcare models are discussed. Emphasis is placed on development of skills in leadership, communication, time management, problem solving, motivation and other critical competencies. Specific attention is focused on the role of leadership, along with specific functions and operations, in a Respiratory Care Department.

RPTH B52 – Respiratory Care Leadership and Management II (3 units)

Hours/semester: 48-54 lecture. Prerequisite: Admission to the Bachelor of Science in Respiratory Care Program

Application of advanced level of skills learned in Respiratory Care Leadership and Management I through case based model approach in various aspects of providing respiratory health care management. Students will identify and apply strategic models to analyze problems, formulate solutions, and make sound decisions.

RPTH B60 – Advanced Neonatal and Pediatric Respiratory Care (3 units)

Hours/semester 24.0-27.0 Lecture hours; and 24.0-27.0 Lab hours Prerequisite: Admission to the Bachelor of Science in Respiratory Care Program

Advanced concepts of neonatal and pediatric respiratory care. Emphasis placed on neonatal and pediatric pathophysiology and on specific therapeutic needs of neonates and children. Students will demonstrate competence in assessment skills, formulation of treatment plans, and application of specific respiratory care modalities for neonatal and pediatric patients.

RPTH B90 – Respiratory Care Capstone Project (2.5 units)

Hours/semester: 128.0 Field Experience Hours. Prerequisite: RPTH B10, with a minimum grade of C and RPTH B20 with a minimum grade of C and RPTH B30 with a minimum grade of C and RPTH B40 with a minimum grade of C and RPTH B50 with a minimum grade of C.

Capstone course in Respiratory Care focused in areas of advanced cardiopulmonary respiratory care, leadership and management, case management, research, education, or other special area of interest. Student will identify and complete a project applying knowledge and skills learned in the program. Projects will be developed in collaboration with faculty and community members and are aligned with student area of interest. Transfer credit: CSU.

COMM B10 - Health Communication (3 units)

Hours/semester: 48-54 lecture. Prerequisite: Admission to the Bachelor of Science in Respiratory Care Program

Development in a deeper understanding of how health communication concepts, theories, research methods, cases and other practices are applied in addressing real-world health issues, its administration and decision-making. Students will study health communication approaches and action areas as well as plan, implement and evaluate health promotion and behavior change campaigns.

COUN B10 – Multicultural Human Relations (3 units)

Hours/semester: 48-54 lecture. Prerequisite: Admission to the Bachelor of Science in Respiratory Care Program

Designed to engage students in an evolving process of developing greater self and cultural awareness that will help inform how we work with communities specific to various professional settings. Examination of various intersectionalities such as ethnicity, gender, class, sexual orientation, and generational identity and the effects that the dynamics of power and privilege have on systemic oppression. Also utilizes a psychosocial perspective to explore various theoretical frameworks that strive for greater cultural competency throughout their professional development.

PHIL B10 – Medical Ethics (3 units)

Hours/semester: 48-54 lecture. Prerequisite: Admission to the Bachelor of Science in Respiratory Care Program

Application of moral theory to a variety of problems in medicine and health care delivery, such as: uses of medical technology, allocation of resources, responsibilities and obligations of health care providers, medically assisted dying, genetic screening, abortion and reproductive rights, and experiments on human or animal subjects.

SOCI B10 – Intersectionality and Citizenship (3 units)

Hours/semester: 48-54 lecture. Prerequisite: Admission to the Bachelor of Science in Respiratory Care Program

Exploration of the intersection of identities: race, ethnicity, socioeconomic class, gender, and citizenship status. Students will explore and analyze how race and ethnicity are socially constructed and intersect with identities such as class and gender. Provides students theoretical frameworks for assessing these constructs and their consequences.

SOSC B10 – Public Health Policy (3 units)

Hours/semester: 48-54 lecture. Prerequisite: Admission to the Bachelor of Science in Respiratory Care Program

Exploration of health policy and management core topics in the study of health and health care delivery. An interdisciplinary approach will be used that emphasizes diverse perspectives on health care policy in the U.S. Students will develop an understanding of fundamental ideas and problems in the areas of health and medical care.