



ALLEGANY COLLEGE
— of MARYLAND —
CUMBERLAND | EVERETT

2021-2022

CATALOG

A D D E N D U M



New & Revised Programs of Study

New program:

HOSPITALITY MANAGEMENT BREWING OPERATIONS ONE-YEAR CAREER PROGRAM PREPARATION FOR EMPLOYMENT

This certificate program will allow students to be prepared to seek employment in the brewing industry. Students will learn the science and business behind brewing and experience production hands-on in a regional brewery. Graduates will be able to identify and evaluate the quality of beer and develop mechanical aptitude in working with brewing equipment. In addition, students will learn environmental sustainability techniques in modern beer production. Prospective job titles include assistant brewer; brewing equipment operator; quality assurance technician.

Brewing Operations students must maintain the scholastic standards of the college and must achieve a grade of "C" or better in each of the required courses. Students are expected to be well-groomed in compliance with standards of sanitation. Students must be age 21 or older prior to enrolling in Hospitality Management 202 (Sensory Evaluation of Beer).

This is a career program and is designed to enable students to seek employment at the program's completion. Successful completion of this program qualifies a student to apply for a Certificate in Brewing Operations.

FIRST SEMESTER	Credit Hours
Biological Science 175 (Microbiology of Brewing)	4
Hospitality Management 102 (Brewing History and Introduction)	3
Hospitality Management 105 (Sustainable Brewing)	3
Hospitality Management 110 (Food Service Sanitation).....	1
Hospitality Management 115 (Brewing Equipment/Maintenance).....	3
Hospitality Management 125 (Brewing Methods and Production)	3
	Total: 17
SECOND SEMESTER	
Culinary Arts 217 (Beverage Management)	2
Hospitality Management 200 (Sensory Evaluation of Beer)	3
Hospitality Management 203 (Hospitality Purchasing, Inventory, and Cost Control)	3
Hospitality Management 218 (Hospitality Marketing)	3
Hospitality Management 220 (Internship II)	5
	Total: 16
	Total Credit Hours: 33

NOTE: All courses specifically identified by course number are graduation requirements for this program.

Program revision:

RESPIRATORY THERAPIST TWO-YEAR CAREER PROGRAM PREPARATION FOR EMPLOYMENT

This program is designed to prepare the graduate to work as a Respiratory Therapist; that is, one who specializes in the application of specific theory to practical clinical problems of respiratory care. The respiratory therapist is qualified to assume primary clinical responsibility for all respiratory care modalities. The therapist may be required to use considerable independent judgment in the care of patients under the direction of a physician. Further, the therapist may serve as a resource person to a physician, regarding current practices in respiratory care, and as a resource person to hospital staff regarding effective and safe methods for administering respiratory therapy. The therapist's scope of practice includes, but is not limited to, diagnostic and therapeutic procedures for cardiopulmonary disorders. Duties range from patient education to the performance of emergency life-sustaining procedures. "Hands-on" patient interaction forms a significant portion of the therapist's work and the use of elaborate high-tech equipment is common.

The Respiratory Therapist Program is accredited by the Commission on Accreditation for Respiratory Care (CoARC), 264 Precision Blvd Telford, TN 37690. Graduates receive an Associate of Applied Sciences degree and are eligible to sit for the National Board for Respiratory Care (NBRC) examinations to become a Registered Respiratory Therapist.

The Respiratory Therapist program at Allegany College of Maryland has been designated as a Health Manpower Shortage Program. The Maryland State Department of Health and Mental Hygiene has determined certain health occupations in the state to be in short supply. The Maryland Higher Education Commission has designated educational programs that correspond to these health occupations to be eligible for the Health Manpower Shortage Program. Maryland residents from counties other than Allegany County who register in this eligible program will be charged the out-of-county tuition rate. However, these students may be eligible to receive reimbursement for a portion of the cost difference between the in-county and out-of-county tuition rates. Funding availability for this program is based on funding from the State of Maryland and is thus subject to change each semester. Some restrictions apply. More information can be obtained by contacting the Admissions Office.

This program is composed of non-clinical and clinical components. The Respiratory Therapist Program accepts students at the end of the fall semester for admissions into the clinical phase of the program in the spring semester. During the fall semester, students are enrolled in the non-clinical phase of the Respiratory Therapist curriculum. During this semester, students are evaluated for admissions to the clinical component. This component consists of those courses designated as "Clinical Practice." Hospital facilities are limited and

(program continued on next page)

New & Revised Programs of Study

should the number of clinical applicants be greater than the available seats, admission to the clinical component may be competitive. Minimum requirements for admission to the clinical component are a GPA of 2.0 in Chemistry 100, Mathematics 102, Biology 116, and Respiratory Therapist 101. (The last class accepted had a GPA range of 2.5 to 4.0.) Please consult the Respiratory Therapist Office for further information.

The Respiratory Therapist curriculum is designed to be completed within four college semesters and one summer session. This time frame may be prolonged due to unforeseen circumstances; however, a maximum time limit of eight consecutive semesters is allowed for completion of the program.

Respiratory Therapist students must maintain the scholastic standards of the college and must achieve a grade of "C" or better in each Respiratory Therapist course. BLS/CPR is a prerequisite to clinical respiratory therapy. Certification and/or recertification are the responsibility of the student. The college regularly offers such courses.

A student making unsatisfactory progress in an Respiratory Therapist course may repeat it only once and may repeat only two Respiratory Therapist courses due to unsatisfactory progress.

A satisfactory health record must be on file prior to clinical experience. In order to participate in clinical experiences, students must obtain a Criminal Record Check prior to entrance into Respiratory Therapy. If participating in clinicals at a Pennsylvania clinical site, the student must also obtain a Child Abuse History Clearance. During enrollment, any official change or the initiation of any governmental proceeding affecting the information revealed by the required criminal or child abuse background check must be reported immediately by the student to the director of the Respiratory Therapy program.

The program cost beyond tuition, fees, and books is approximately \$1,500. This covers uniforms, liability insurance, a stethoscope, and travel. This is a career program and is designed to enable students to seek employment at the program's completion. Students planning to transfer should consult with their advisor or Advising Center staff regarding specific program and course transfer issues. Successful completion of this program qualifies a student to apply for an Associate of Applied Science degree in Respiratory Therapist.

FIRST SEMESTER	Credit Hours
Biological Science 116 (Human Biology).....	3
① Chemistry 100 or 101 (Elements of Chemistry or General Chemistry I).....	4
English 101 (Freshman English I).....	3
Mathematics 102 or 109 (College Algebra or Probability and Statistics).....	3
Respiratory Therapist 101 (Introduction to Respiratory Therapy).....	3
Total:	16

SECOND SEMESTER	
Computer Technology 101 (Computer Literacy).....	3
Respiratory Therapist 102 (Pharmacology).....	3
Respiratory Therapist 104 (Respiratory Pathogens).....	1
Respiratory Therapist 190 (Clinical Practice I).....	5
Respiratory Therapist 206 (Cardiopulmonary Anatomy and Physiology).....	3
Total:	15

SUMMER SESSION (following second semester)	Credit Hours
Respiratory Therapist 210 (Clinical Practice II).....	6
Total:	6

THIRD SEMESTER	
Psychology 101 (General Psychology).....	3
Respiratory Therapist 212 (Cardiopulmonary Pathophysiology).....	3
Respiratory Therapist 213 (Cardiopulmonary Assessment and Diagnostics).....	3
Respiratory Therapist 225 (Clinical Practice III).....	5
Respiratory Therapist 231 (Research Methods).....	1
Total:	15

FOURTH SEMESTER	
Humanities Elective.....	3
Respiratory Therapist 207 (Community Health and Education).....	2
Respiratory Therapist 232 (Advanced Respiratory Concepts) ..	2
Respiratory Therapist 240 (Pediatrics & Neonatology).....	3
Respiratory Therapist 250 (Clinical Practice IV).....	5
Total:	15
Total Credit Hours:	67

① Students who are planning to enter the Respiratory Therapist Program and have had no chemistry must take Chemistry 100.

NOTE: All courses specifically identified by course number are graduation requirements for this program.

New & Revised

Course Descriptions

BIOLOGICAL SCIENCE (BIO)

New course:

175 Microbiology of Brewing 4 credit hours

Offered fall semester. Three hours lecture and three hours lab per week.

This course will introduce microbiology and laboratory practices used in the brewing process. Topics will include the biology of yeast, the fermentation process, and microorganisms that contribute to beer quality and deterioration.

Prerequisite: Reading 97.

HOSPITALITY MANAGEMENT (HRMG)

New courses:

102 Brewing History and Introduction 3 credit hours

Offered fall semester. Three hours lecture per week.

This course provides an introduction to fermented products and their history. Emphasis will be placed on agriculture, production, product characteristics and taxonomy. Career opportunities in the brewing industry will be highlighted.

105 Sustainable Brewing 3 credit hours

Offered fall semester. Three hours lecture per week.

This course introduces aspects of environmental sustainability in brewery design and operation. Topics include: wastewater consumption and disposal; waste reduction; utility usage; recycling; design considerations for sustainable development.

115 Brewing Equipment/Maintenance 3 credit hours

Offered fall semester. Two hours lecture per week and 50 hours practicum per semester.

This course provides an overview of the various types of equipment used throughout the modern brewing process. Emphasis is placed on the cleaning, sanitizing, care, and maintenance of equipment so that all laws and regulations regarding brewing are followed. Students will be able to troubleshoot common equipment malfunctions in the production process.

125 Brewing Methods and Production 3 credit hours

Offered fall semester. Two hours lecture per week and 50 hours practicum per semester.

This course introduces and develops entry-level skills in craft beer brewing. Topics include recipe development, techniques and equipment used in the production of craft beer, packaging, storage, and product delivery.

200 Sensory Evaluation of Beer 3 credit hours

Offered spring semester. Two hours lecture per week and 50 hours practicum per semester.

This course provides an introduction to the critical evaluation and judging of a beer's sensory properties. Students will learn the vocabulary associated with judging and will develop their ability to identify a wide range of beer flavors and detect defects in beer.

NOTE: Students must be age 21 or older prior to enrolling in this course and provide appropriate documentation.

Prerequisite: Hospitality Management 102, 115, and 125.

RESPIRATORY THERAPIST (RESP)

Revised course:

250 Clinical Practice IV 5 credit hours

Offered spring semester. Four hours of lecture per week and, on average, 24 hours of clinical/lab time per week. Clinical/lab time will total 360 hours. Fee: \$125.00. Nurse Managed Wellness Clinic Fee: \$25.00. Online Testing Fee: \$128.00. Simulation Fee: \$35.00.

This course will expose the student to all areas of clinical practice in a respiratory care facility. Clinical rotations in neonatal and pediatric intensive care units will be provided. The course will focus on the concepts of hemodynamic monitoring, advanced modes of mechanical ventilation, and preparation for successful completion of the National Board for Respiratory Care (NBRC) examinations to become a Registered Respiratory Therapist. Students will be required to obtain a minimum score on the Secure Comprehensive Therapist-Choice and Clinical Simulations (SAE) examinations in order to successfully complete the course.

In order to successfully pass this course, student must achieve a grade of "C" or better.

Prerequisite: Respiratory Therapy 101, 102, 104, 190, 206, 210, 212, 213, 225, and 231.

Corequisite: Respiratory Therapy 207, 232, and 240.