

**NUC CATALOG ADDENDUM TO
2018-2019 CATALOG
February 4, 2019**

Page 78 The Enrollment Status should read as follows:

Enrollment Status

The enrollment status of students for undergraduate programs at our Institution is as follows:

Full Time Student	a student enrolled in 12 or more credits
3/4 Time Student	a student enrolled in 9-11 credits
1/2 Time Student	a student enrolled in 6-8 credits
Less than 1/2 Time Student	a student enrolled in less than 6 credits
Special Student	Enrollment for informational instruction only or for professional development. These students are not enrolled in a program of study.

The enrollment status of students for graduate programs at our Institution is as follows:

Full Time Student	a student enrolled in 6 or more credits
3/4 Time Student	a student enrolled in 4-5 or more credits
1/2 Time Student	a student enrolled in 3 credits
Less than 1/2 Time Student	a student enrolled in 1-2 credits

Page 95 On the Financial Information page, the following programs were included in the Laboratory Fees section:

Applied Sciences in Cardiorespiratory Care, Clinical Sonography and Radiology Technology Programs\$100.00

Page 122 The following disclaimer should be included at the end of the Master’s Degree in Science in Nursing in Education program page:

Residents from outside Puerto Rico prior to enrolling in the Master’s Degree in Nursing with major in Education, who plan on working in Puerto Rico in a setting where the license is required, should be aware that the PR Nursing Examination Board, at present, does not grant a license for this master’s degree. For further information regarding this matter, please contact the PR Nursing Examination Board directly.

Page 135 Description and prerequisites for course EDUC 6040 should be included:

EDUC 6040: Grade Project Seminar: 3 credits

In this course, students will analyze the research process as a practical contribution to public or private educational settings. They will evaluate the reality of educational processes, reflecting upon the impact of research processes on the educational setting. Finally, they will conclude the experience started in previous courses by integrating the knowledge and competencies acquired about the educational research process.

(Pre-requisite: EDUC 5100, EDUC 6030)

Page 138 Description for course MBA 5240 should read as follows:

MBA 5240: Project Management and Administration: 3 credits

In this course, students will discuss project management theory, analyze the life cycle of a project, starting with identifying needs and developing a proposal, and will use technological tools to apply during the processes of planning, management, and closing a project. In addition, they will examine successful risk management processes, as well as reporting the results.

Page 273 Co-requisites and Pre-requisites for Course NURS 4020 should read as follows:

*(Co-requisites: NURS 4021P, 4021*RN-BSN) (Pre-requisites: NURS 3006, 3015, 3050, 3055)*

Page 273 Co-requisites and Pre-requisites for Course NURS 4021/4021P should read as follows:

(Co-requisites: NURS 4020) (Pre-requisites: NURS 3006, 3015, 3050, 3055)

ASSOCIATE'S DEGREE IN APPLIED SCIENCES IN CARDIORESPIRATORY CARE

PROGRAM DESCRIPTION

The objective of the Associate's Degree in Applied Sciences in Cardio Respiratory Care is to prepare and develop professionals in this field who can perform at the basic level as well as the advanced level in entry level positions as Cardio respiratory Care Technician.

The professional prepared for this Program will intervene with critical care cardio respiratory patients, as well as stable patients. Among the program's goals are the following:

1. Develop respiratory therapists at the Associate Degree level who are aware of their responsibilities in the diagnosis, evaluation, treatment and rehabilitation of patients with cardiopulmonary conditions.
2. Develop respiratory therapists at the Associate Degree level who possess the necessary competencies to perform the basic and advanced modalities for Respiratory Care following the prescribed medical treatment.
3. Develop a respiratory care professional capable of interaction in an integrated and effective manner with patients and the health team when implementing the basic and advanced modalities of the profession.

22	Credits in General Education
19	Credits in Core Courses
47	Credits in Major Courses
88	Total Credits

GENERAL EDUCATION:

ENGL 1010*	BASIC ENGLISH I	3
ENGL 1020	BASIC ENGLISH II	3
ITTE 1031L	COMPUTER LITERACY AND LAB	3
MATH 1010*	BASIC MATHEMATICS	3
SEMI 1001	UNIVERSITY ENVIRONMENT SEMINAR	1
SOSC 1010	SOCIAL SCIENCE I	3
SPAN 1010*	BASIC SPANISH I	3
SPAN 1020	BASIC SPANISH II	<u>3</u>
		22

CORE COURSES:

BIOL 2010*	ANATOMY AND PHYSIOLOGY I	3
BIOL 2020*	ANATOMY AND PHYSIOLOGY II	3
CHEM 2031*	GENERAL CHEMISTRY	3
MICR 1000 *	BASIC MICROBIOLOGY	3
MICR 1011L*	BASIC MICROBIOLOGY LAB	1
PHYS 1001*	PHYSICS ALLIED HEALTH	3
PSYC 2510	PSYCHOLOGY	<u>3</u>
		19

MAJOR COURSES:

CRCP 2000	CARDIOPULMONARY ANATOMY AND PHYSIOLOGY	3
CRCP 2001	FUNDAMENTALS OF RESPIRATORY CARE	2
CRCP 2001L	FUNDAMENTALS OF RESPIRATORY CARE LAB	1
CRCP 2001P	FUNDAMENTALS OF RESPIRATORY CARE PRACTICE	1
CRCP 2002	CARDIOPULMONARY PATHOPHYSIOLOGY	3
CRCP 2003	PHARMACOLOGY FOR RESPIRATORY CARE	3
CRCP 2004	CARDIORESPIRATORY CARE I	3
CRCP 2004L	CARDIORESPIRATORY CARE I LAB.	2
CRCP 2004P	CARDIORESPIRATORY CARE I PRACTICE	2
CRCP 2005	ELECTROCARDIOGRAPHY	3
CRCP 2007	MECHANICAL VENTILATION	3
CRCP 2007L	MECHANICAL VENTILATION LAB.	2
CRCP 2008	ADVANCED CARDIOPULMONARY DIAGNOSTICS	2
CRCP 2009	ADVANCED CARDIOPULMONARY CARE	1
CRCP 2009L	ADVANCED CARDIOPULMONARY CARE LAB.	1
CRCP 2010	NEONATAL AND PEDIATRIC RESPIRATORY CARE	2

CRCP 2011	SEMINAR	2
CRCP 2012P	CLINICAL PRACTICE	6
CRCP 2013	PULMONARY FUNCTION TEST AND ARTERIAL GASES	3
CRCP 2013L	PULMONARY FUNCTION TEST AND ARTERIAL GASES LAB.	1
CRCP 2013P	PULMONARY FUNCTION TEST AND ARTERIAL GASES PRACTICE	<u>1</u>
		47
TOTAL CREDITS		88

*All general education and core courses with an asterisk and all core and major courses must be passed with at least a "C" grade.

ASSOCIATE'S DEGREE IN APPLIED SCIENCES IN CLINICAL SONOGRAPHY

PROGRAM DESCRIPTION

Medical diagnostic sonographers, also known as ultrasound sonographers, use special equipment to direct high-frequency sound waves into various parts of the patient's body to record echoes that create an image used by the physician for interpretation and diagnosis. While observing the monitor during the scan, sonographers look for subtle visual clues that contrast healthy and affected areas. They must decide if the images are satisfactory for diagnostic purposes and select which images to show the doctor. The medical diagnostic sonographers can be used in obstetric and gynecologic sonography, abdominal sonography, neurosonography or ophthalmologic sonography.

The sonographers may also specialize in vascular technology or echocardiography. In addition to working directly with patients, sonographers maintain patient records and adjust and provide maintenance to the equipment

22	Credits in General Education
15	Credits in Core Courses
<u>53</u>	Credits in Major Courses
90	Total Credits

GENERAL EDUCATION:

ENGL 1010*	BASIC ENGLISH I	3
ENGL 1020	BASIC ENGLISH II	3
ITTE 1031L	COMPUTER LITERACY AND LAB	3
MATH 1010*	BASIC MATHEMATICS	3
SEMI 1001	UNIVERSITY ENVIRONMENT SEMINAR	1
SOSC 1010	SOCIAL SCIENCE I	3
SPAN 1010*	BASIC SPANISH I	3
SPAN 1020	BASIC SPANISH II	<u>3</u>
		22

CORE COURSES:

BIOL 2010*	ANATOMY AND PHYSIOLOGY I	3
BIOL 2020*	ANATOMY AND PHYSIOLOGY II	3
BIOL 2030*	SECTIONAL ANATOMY	2
BIOL 2030L*	SECTIONAL ANATOMY LAB.	1
PHYS 1001*	PHYSICS ALLIED HEALTH	3
PSYC 2510	PSYCHOLOGY	<u>3</u>
		15

MAJOR COURSES:

SONO 1001	ULTRASOUND	4
SONO 1002	MEDICAL AND PHYSICAL INSTRUMENTATION ULTRASOUND	2
SONO 1002L	MEDICAL AND PHYSICAL INSTRUMENTATION ULTRASOUND LAB.	1
SONO 1003	INTRODUCTION TO MEDICAL SONOGRAPHY	2
SONO 1004	SONOGRAPHY OF SUPERFICIAL STRUCTURES	3
SONO 1004L	SONOGRAPHY OF SUPERFICIAL STRUCTURES LAB.	3
SONO 1006	ABDOMINAL SONOGRAPHY	3
SONO 1006L	ABDOMINAL SONOGRAPHY LAB.	3
SONO 1008	GYNECOLOGICAL AND OBSTETRICAL SONOGRAPHY	3
SONO 1008L	GYNECOLOGICAL AND OBSTETRICAL SONOGRAPHY LAB.	3
SONO 1010	VASCULAR SONOGRAPHY	3
SONO 1010L	VASCULAR SONOGRAPHY LAB.	2
SONO 1012	PATIENT MANAGEMENT AND CARE	3
SONO 1013	MEDICAL TERMINOLOGY	2
SONO 1014L	LABORATORY PRACTICE	4
SONO 1015	CLINICAL SEMINAR	2
SONO 2001P	CLINICAL PRACTICE OF SONOGRAPHY I	1
SONO 2002P	CLINICAL PRACTICE OF SONOGRAPHY II	2

SONO 2003P	CLINICAL PRACTICE OF SONOGRAPHY III	2
SONO 2004P	CLINICAL PRACTICE OF SONOGRAPHY IV	<u>5</u>
		53
TOTAL CREDITS		90

*All general education and core courses with an asterisk and all core and major courses must be passed with at least a “C” grade.

ASSOCIATE'S DEGREE IN APPLIED SCIENCES IN RADIOLOGY TECHNOLOGY

PROGRAM DESCRIPTION

This program capacitates the student as a Radiologic Technologist, who is part of the health interdisciplinary team. The program provides the student with the skills necessary to perform imaging exams of conventional diagnosis, by means of the use of radiant energy to contribute to the diagnosis and treatment of patients' illness. The program covers preparation in radiology techniques and procedures, patient care, pathology, medical terminology, radiology protection, among other topics.

The program provides the knowledge necessary for the student to face the competitive market work, and can be used successfully deal for graduation examination issued by the Board of Examiners of Radiological Technologists and Radiation of Puerto Rico within the Department of Health to become a qualified Radiologic Technologist in Puerto Rico.

22	Credits in General Education
12	Credits in Core Courses
56	Credits in Major Courses
90	Total Credits

GENERAL EDUCATION

ENGL 1010*	BASIC ENGLISH I	3
ENGL 1020	BASIC ENGLISH II	3
ITTE 1031L	COMPUTER LITERACY AND LAB.	3
MATH 1010*	BASIC MATHEMATICS	3
SEMI 1001	UNIVERSITY ENVIRONMENT SEMINAR	1
SOSC 1010	SOCIAL SCIENCE I	3
SPAN 1010*	BASIC SPANISH I	3
SPAN 1020	BASIC SPANISH II	<u>3</u>
		22

CORE COURSES:

BIOL 2010*	ANATOMY AND PHYSIOLOGY I	3
BIOL 2020*	ANATOMY AND PHYSIOLOGY II	3
PHYS 1001*	PHYSICS ALLIED HEALTH	3
PSYC 2510	PSYCHOLOGY	<u>3</u>
		12

MAJOR COURSES:

RADI 2000	FUNDAMENTALS OF RADIOLOGIC SCIENCES	2
RADI 2001	RADIOGRAPHIC FILM PROCESSING	3
RADI 2002	PRINCIPLES OF RADIOGRAPHIC EXPOSITION	3
RADI 2003P	CLINICAL PRACTICE I	2
RADI 2004	RADIOLOGIC PROCEDURES I	2
RADI 2004L	RADIOLOGIC PROCEDURES I LAB.	1
RADI 2005	SECTIONAL ANATOMY	2
RADI 2006	PATIENT MANAGEMENT AND CARE	1
RADI 2006L	PATIENT MANAGEMENT AND CARE LAB.	1
RADI 2007	MEDICAL TERMINOLOGY	2
RADI 2008	RADIOLOGIC PROCEDURES II	2
RADI 2008L	RADIOLOGIC PROCEDURES II LAB.	1
RADI 2009	RADIOLOGIC PHYSICS	3
RADI 2010P	CLINICAL PRACTICE II	3
RADI 2011	ETHICS IN RADIOLOGIC SCIENCES	2
RADI 2012	BASIC PRINCIPLES OF MEDICAL PATHOLOGY I	2
RADI 2013	BASIC PRINCIPLES OF MEDICAL PATHOLOGY II	2
RADI 2014P	CLINICAL PRACTICE III	3

RADI 2015	RADIOLOGIC PROCEDURES III	2
RADI 2015L	RADIOLOGIC PROCEDURES III LAB.	1
RADI 2016	CRITIQUE RADIOLOGY	3
RADI 2017	RADIOLOGIC PROTECTION	2
RADI 2018	PHARMACOLOGY AND MEDICATION ADMINISTRATION IN DIAGNOSTIC IMAGING	2
RADI 2019	INTRODUCTION TO DIAGNOSTIC MODALITIES	2
RADI 2020P	SEMINAR AND CLINICAL PRACTICE IV	<u>7</u>
		56
TOTAL CREDITS		90

*All general education and core courses with an asterisk and all core and major courses must be passed with at least a "C" grade.