



**UNCARB** E  
UNIVERSITÄT DEL CARIBE

# Specialty in **Radiation Protection**





## PROFESSIONAL PROFILE

The graduate of this specialty must demonstrate that he/she has developed the following competences:

- Communication skills
- Leadership and analytical skills
- Ability to provide appropriate advice on the subjects of his or her training.
- Ability to disseminate and provide training to a wide variety of personnel, such as workers, managers, health professionals and personnel of governmental bodies.
- Proficiency in all uses of ionizing radiation in medicine, industry, mining and research.
- Ability to design, develop and conduct radiation protection programs to meet the requirements of their country.
- Ability to assume responsibilities as radiation protection experts.
- Apply their knowledge, criteria and professional experience to the highest possible level, carefully evaluating situations that generate a conflict of interest in order to issue their technical opinion without any pressure.
- Work with honesty, rectitude, good faith, professionalism, equanimity, impartiality, transparency and austerity.
- Promote a culture of safety
- Maintain and permanently increase their technical knowledge.

# PENSUM SPECIALTY IN RADIOLOGICAL PROTECTION

## FIRST FOUR-MONTH PERIOD

| KEY     | COURSE                              | CR | PRE-REQ. |
|---------|-------------------------------------|----|----------|
| EPR-101 | BASIC SCIENCE                       | 3  |          |
| EPR-102 | RADIATION PHYSICS                   | 3  |          |
| EPR-103 | RADIATION DETECTION AND MEASUREMENT | 3  |          |
| EPR-104 | BIOLOGICAL EFFECTS OF RADIATION     | 3  |          |

## SECOND SEMESTER

| KEY     | COURSE  | CR | PRE-REQ. |
|---------|---|----|----------|
| EPR-201 | USE OF RADIATION                              | 3  | EPR-101  |
| EPR-202 | FUNDAMENTALS OF RADIATION PROTECTION          | 4  | EPR-104  |
| EPR-203 | TECHNOLOGICAL ASPECTS OF RADIATION PROTECTION | 3  | EPR-103  |

## THIRD QUARTER

| KEY     | COURSE  | CR | PRE-REQ. |
|---------|---|----|----------|
| EPR-301 | OPERATIONAL ASPECTS OF RADIATION PROTECTION             | 3  |          |
| EPR-302 | RADIATION PROTECTION IN MEDICINE, INDUSTRY AND RESEARCH | 4  | EPR-202  |
| EPR-303 | PRACTICAL WORK - SEMINARS                               | 3  | ALL      |

### TOTAL NUMBER OF COURSES

10 TOTAL CREDITS

32

The Specialty in Radiological Protection provides the academic, theoretical and practical knowledge for a better performance in the Expert in Radiological Protection (EPR). Developing and creating the skills and abilities, allowing him to develop in the work focused on the protection in the execution of the use of radiological sources Ionizing and non-ionizing for the benefit of health and social welfare in general protecting living beings from their harmful effects, having as main objective the human beings.

Likewise, we work on resource planning, information management methodologies, operational processes, as well as project and service management. Throughout the program, training is maintained and technological innovation and its effects on the improvement of productivity and competitiveness of industries are constantly valued. Likewise, it stands out for its focus on the protection of training highly specialized human resources in Radiological protection and safety, controlling the use and applications of ionizing sources.

It has been designed with a competency-based approach with the purpose of training professionals capable of managing the processes of service provision, optimizing the material and human resources available, and complying with quality, safety and environmental standards, adhering to international and national norms, in order to offer a quality service to the country, satisfying the needs and requirements of service users, with a high sense of ethics.

## ADMISSION REQUIREMENTS

1. Apostilled birth certificate.
2. Copy of personal and electoral identity card, copy of passport for non-residents of the Dominican Republic.
3. Two photos in 2x2 format.
4. Grade transcript and degree certificate legalized by the Ministry of Higher Education, Science and Technology (MESCyT). For foreigners, the degree must be apostilled and homologated.