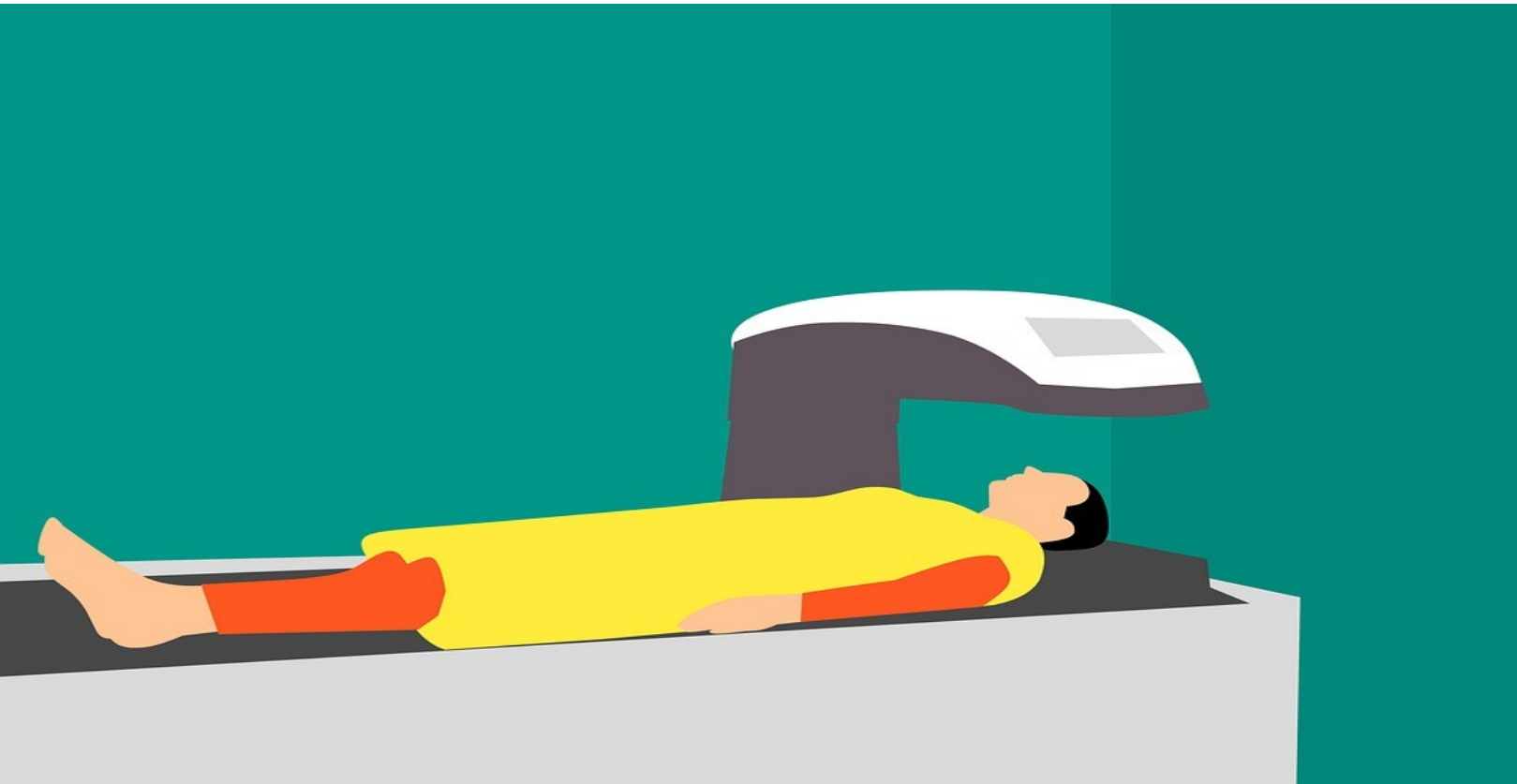


# Faculty : Biomedical Sciences and Techniques



**Acronym:** RAIMME

**Option:** RADIOLOGY AND MEDICAL IMAGING

**Level:** BTS

**Prerequisite:** Scientific series or equivalent level

**Opportunities:**

- Public function ;
- Hospitals and private clinics;
- NGOs (Non Governmental Organizations);
- Self-employment;
- Agribusiness ;
- Occupational Medicine ;
- Research and training.

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## **Description :**

Faced with the complexity of radiotherapy techniques (IT, quality assurance, etc.), on the one hand, and the requirements in terms of radiation protection and health safety (determination of effective doses in radiology, for example), on the other hand, it appears necessary to set up a university level training (bac +3), meeting the current needs of hospitals in qualified professionals. It is also wise to take into account on the one hand the phenomenon of staff turnover due to retirements and on the other hand to provide technical managers with the possibility of continuing studies in a rapidly expanding field. This is the objective of the BTS specialty Radiology and medical imaging

## **Specific skills:**

- Research and process scientific professional data;
- Take medical imaging pictures (conventional radiology, MRI, CT scan) for diagnosis or pathology screening according to medical prescription;
- Be able to perform dosimetric calculations;
- Calculate the doses of radioactive products of a preparation according to the treatment of a patient;
- Control the application of Quality-Safety and Environment procedures;
- Perform magnetic resonance imaging (MRI) examinations using radiographic techniques;
- Check the conformity of sensitive equipment or installation;
- Perform computed tomography (scanner) examinations using radiographic techniques;
- Perform mammography examinations using radiographic techniques;
- Being able to use ionizing rays to destroy tumors or intervene in nuclear medicine.

## **Quality and skills:**

- Be responsible and reflective;
- Have gestural skills and interpersonal skills;
- Recognize your emotions and be able to use them with the necessary professional skills;
- Have proven confidence and assurance;
- Have the critical and questioning capacity;

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- Develop professional ethics and standards;
  - Make thoughtful decisions;
  - Act with autonomy and responsibility in the well-defined fields of its function;
  - Monitor the inventory of consumables, establish replenishment orders and put away equipment;
  - Check the functioning of the devices, update the maintenance register and notify in the event of a malfunction.