

## RADIOLOGIC HEALTH SCIENCE PROGRAMS

Radiologic Health Science courses are part of the interdisciplinary curriculum designed to provide educational experiences which are common to the imaging and therapeutic modalities of radiology.

The Radiologic Health Sciences programs are divided into two categories: Associate Degree programs and Certificate programs. The Radiologic Health Sciences programs that lead to an Associate in Applied Science degree are in Nuclear Medicine Technology, Radiation Therapy Technology, and Radiography. The Radiologic Health Science programs that lead to a certificate of completion are in Computerized Tomography Technology, Magnetic Resonance Imaging Technology, and Radiation Therapy. These are advanced programs that require credentials, such as certification or registry in a Radiologic field, as a prerequisite.

Students interested in Radiologic Health Sciences courses must meet individual program entry requirements. Entry requirements for the associate and certificate programs vary.

### NUCLEAR MEDICINE TECHNOLOGY Associate of Applied Science Degree

(Degree Audit Program Code: NUC-MED-AAS)

The Nuclear Medicine Program is nationally accredited by the Joint Review Committee on Educational Programs in Nuclear Medicine Technology, (JRCNMT).

#### Program Outcomes:

1. Trained and qualified entry level position as a Nuclear Medicine Technologist.
2. Qualified and eligible to sit for national certification exam (NMTCB and/or ARRT).
3. Discern and manage ethical issues in a rapidly changing environment.
4. Embrace a commitment to lifelong learning and the ability to acquire and use new knowledge.
5. Demonstrate effective communication skills.
6. Demonstrate critical thinking skills.
7. Draw from multiple disciplines in the healthcare environment in order to understand the patient's overall condition.

#### MISSION STATEMENT:

In addition to supporting the mission and goals of Galveston College, the mission of the Nuclear Medicine Technology Program is to provide a comprehensive, competency-based nuclear medicine curriculum to prepare a diverse group of graduates with the entry-level skills needed to provide quality nuclear medicine procedures, the best possible patient care, and rewarding careers; encouraged to become leaders in the nuclear medicine community with a need for a lifetime of continued learning.

All prospective candidates who wish to be admitted to the Nuclear Medicine Technology program should contact the Program Coordinator.

Applicants must:

1. Complete the requirements for admission to the College. **Admission to the College does not guarantee admission to the Program.**
  - Requirements for the College include:
    - a. TSI scores for TSI-eligible students or placement scores for TSI-exempt students which permit enrollment in college level courses. Official TSI scores must appear on a transcript to be sent directly to Galveston College from the test company on an official test score report form.
2. Contact the Program Coordinator.
3. Continue the Program-Process and Complete Program Degree Plan with the Program Coordinator.
  - Degree Plan must show evidence of:
    - a. Achieving a grade of "C" or better in Math 1314 College Algebra or equivalent, within five years of acceptance into the Program
    - b. Achieving a grade of "C" or better in BIOL 2401 Anatomy and Physiology I, within five years of acceptance into the Program.
    - c. Achieving a grade of "C" or better in CHEM 1405 Introductory Chemistry I or equivalent,

- within five years of acceptance into the Program.
- d. An overall GPA of 2.5. It is highly recommended that the general education courses be completed prior to enrollment in the Program. A grade of “C” or better is required in the general education courses. Math and Science courses must be completed within five years of acceptance into the Program.
4. Submit Program Application to the Program Coordinator, after completion of all prerequisites.
    - Program Applications are accepted beginning September 15<sup>th</sup> through April 15<sup>th</sup> of each year to be considered for the next Fall Semester. Applications that are submitted after the deadline will be reviewed at the discretion of the Selection Committee. Due to limited enrollment, we cannot accept every applicant. Applicants not admitted to the program must re-apply each year. Successful applicants will be notified by mail of acceptance to the program.
    - Complete the following prior to enrollment:
      - a. Complete the Hepatitis B immunization series including titer or show proof of illness. To be eligible to apply to the Program, student must show proof that the immunization process has been started. The process needs to be completed by the start of the program. (This process takes seven months to complete.)
      - b. Complete Varicella (Chicken pox) immunization or show proof of illness by the start of the program.
      - c. Complete a background check through the College at student’s cost upon acceptance to the Program.
      - d. Complete a clear drug screening test at student’s cost as directed by the Program.
      - e. Potential students may need to complete an interview or meet with the Program coordinator upon request.
      - f. Attend Mandatory Orientation.

**Transfer Policy:**

Course work from another program will be evaluated on an individual basis by the Program Coordinator. A grade of “C” or better is required on all transferred prerequisite, general education and program specific courses. Transfer students from another program will be admitted on a space-available basis.

Transfer students must:

1. Complete admission requirements to Galveston College as well as the Program admission criteria.
2. Submit course syllabi for review, if requested by Program Coordinator.
3. Agree to complete a disclosure of information form.

**PREREQUISITES**

|             |             |                                 |           |
|-------------|-------------|---------------------------------|-----------|
| <u>BIOL</u> | <u>2401</u> | <u>Anatomy and Physiology I</u> | 4         |
| <u>MATH</u> | <u>1314</u> | <u>College Algebra</u>          | 3         |
| <u>CHEM</u> | <u>1405</u> | <u>Introductory Chemistry I</u> | 4         |
|             |             |                                 | <u>11</u> |

**FIRST YEAR****First Semester**

|             |             |                                  |           |
|-------------|-------------|----------------------------------|-----------|
| <u>BIOL</u> | <u>2402</u> | <u>Anatomy and Physiology II</u> | 4         |
| NMTT        | 1211        | Nuc Medicine Patient Care        | 2         |
| SCIT        | 1320        | Physics for Allied Health        | 3         |
| NMTT        | 1201        | Intro to Nuclear Medicine        | 2         |
|             |             |                                  | <u>11</u> |

**Second Semester**

|             |             |                                  |           |
|-------------|-------------|----------------------------------|-----------|
| NMTT        | 1162        | Clinical- Nuclear Medical Tech   | 1         |
| NMTT        | 2201        | Radiochem and Radiopharm         | 2         |
| NMTT        | 1203        | Radiation Bio & Safety           | 2         |
| NMTT        | 1309        | Nuclear Medicine Instrumentation | 3         |
| <u>ENGL</u> | <u>1301</u> | <u>Composition I</u>             | <u>3</u>  |
|             |             |                                  | <u>11</u> |

**Summer I**

|      |      |                         |          |
|------|------|-------------------------|----------|
| NMTT | 2309 | Nuclear Medicine Meth I | 3        |
| NMTT | 2361 | Practicum I             | 3        |
| NMTT | 2233 | PET & Fusion Technology | 2        |
|      |      |                         | <u>8</u> |

**SECOND YEAR****First Semester**

|   |      |                            |           |
|---|------|----------------------------|-----------|
| NMTT  | 2313 | Nuclear Medicine Method II | 3         |
| NMTT  | 2466 | Practicum II               | 4         |
| <u>Social &amp; Behavioral Science Elective<sup>5</sup></u>                   |      |                            | 3         |
| <u>Creative Arts<sup>3</sup> or Language, Philosophy, Culture<sup>4</sup></u> |      |                            | 3         |
|   |      |                            | <u>13</u> |

**Second Semester**

|      |      |                           |          |
|------|------|---------------------------|----------|
| NMTT | 2235 | Nuclear Medicine Seminar* | 2        |
| NMTT | 2467 | Practicum III             | 4        |
|      |      |                           | <u>6</u> |

**TOTAL SEMESTER CREDIT HOURS IN PROGRAM: 60**Notes:

<sup>3</sup>Select one course from ARTS 1301, ARTS 1303, COMM 2366, DRAM 1310, DRAM 2366, HUMA 1301, MUSI 1306, MUSI 1310.

<sup>4</sup>Select one course from ARTS 1304, DRAM 2361, DRAM 2362, ENGL 2322, ENGL 2323, ENGL 2327, ENGL 2328, ENGL 2332, ENGL 2333, ENGL 2342, ENGL 2343, HIST 2311, HIST 2312, HUMA 1302, PHIL 1301, PHIL 2306, PHIL 2307.

<sup>5</sup>Select one course from BIOL 1322, BIOL 1406, BIOL 1407, BIOL 2401, BIOL 2402, BIOL 2421, CHEM 1405, CHEM 1411, CHEM 1412, CHEM 2423, CHEM 2425, ENVR 1301, ENVR 1302, KINE 1301, PHYS 1401, PHYS 1402, PHYS 2425 or PHYS 2426.

\* Identifies Capstone course

**Underline** - Identifies courses to meet general education requirements for AAS Degree.