

# RADIOGRAPHY

## Associate of Applied Science Degree

(Degree Audit Program Code: RADIOGRAPHY-AAS)

Upon completion of the A.A.S. degree, the student will be eligible to sit for the board exam with the American Registry of Radiologic technologists (A.R.R.T.) to become a licensed medical radiographer.

The Joint Review Committee on Education in Radiologic Technology, 20 N Wacker Dr., Suite 2850, Chicago, IL, 60606-3182, nationally accredits the Galveston College Radiography program.

### Program Outcomes:

1. Graduate students that will be competent, entry-level radiographers prepared for the healthcare field.  
Expected outcome
  - a. Graduates will demonstrate adequate entry level radiography skills
  - b. Students will produce quality diagnostic radiographs
  - c. Students will be able to perform basic patient care skills
  - d. Students will demonstrate radiation protection methods while following the concepts “ALARA” and imaging “gently and wisely”.
  - e. Students will demonstrate knowledge and practice appropriate radiation protection methods
  - f. Students will be able to critique finished radiographs for diagnostic quality
2. Students will demonstrate appropriate communication skills.  
Expected outcome
  - a. Students demonstrate appropriate communication skills in the clinical setting
  - b. Employers will report that graduates demonstrate appropriate communication skills upon employment
3. Students will demonstrate appropriate critical thinking and problem solving skills.  
Expected outcome
  - a. Students will be able to safely operate radiographic equipment
  - b. Students will be able to perform radiographic examinations in an emergency and trauma environment
  - c. Students will be able to administer age appropriate patient care
4. The student (graduate) will understand the importance of professional values and lifelong learning.  
Expected outcome
  - a. Students will demonstrate professional behavior
  - b. Students will demonstrate understanding of professional ethics
5. The student (graduate) will be capable of fulfilling the needs of the healthcare community in radiologic sciences.  
Expected outcome
  - a. Graduates will consider themselves adequately prepared to be entry level radiographers
  - b. Job placement within 12 months of graduation
  - c. Program retention rate
  - d. ARRT pass rate

### MISSION STATEMENT

In keeping with the mission of Galveston College, it is the goal of the program faculty and staff to produce graduates who complete their AAS degree in Radiography, who pass the American Registry of Radiologic Technologists (ARRT) certification exam on the first attempt, who are able to enter the job market as entry-level radiographers, who demonstrate empathy and compassion for their patients, and graduates who are committed to life-long learning.

### RADIOGRAPHY ADMISSION CRITERIA

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.
  - Degree plan must show evidence of:

- a. Achieving a grade of “C” or better in MATH 0304 Intermediate Algebra or a passing placement test score within five years of acceptance into the Program. MATH 1314 College Algebra is strongly recommended.
  - 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 HPRS 1206 Essentials of Medical Terminology.
  - 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 sciences courses must be completed within five years of acceptance into the program.
  - e. Complete an entrance exam.
2. Submit program application, shot records, and a transcript copy to the Program Director 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 academic year. Applicants not admitted to the program must re-apply each year. Successful applicants will be notified by mail of acceptance to the program.
    - Upon acceptance to the program complete the following prior to enrollment:
      - a. Complete the Hepatitis B immunization series including titer or show proof of illness. The process needs to be completed by the start of the program. (This process takes seven months to complete).
      - b. Complete Varicella immunization (chicken pox) or show proof of illness by the start of the program.
      - c. Complete a background check through the college at student’s cost.
      - d. Complete a clear drug screening test at student’s cost.
      - e. Attend mandatory orientation.

**Transfer Policy:**

Course work from another program will be evaluated on an individual basis by the Program Director. 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. Currently hold a cumulative GPA of 2.5 on transfer coursework.
3. Submit course syllabi for review.
4. Agree to complete a disclosure of information form, including permission to question the previous Program Director.

**Prerequisite Courses<sup>^</sup>**

<u>BIOL</u>	<u>2401</u>	<u>Anatomy &amp; Physiology I</u>	4
HPRS	1206	Essentials of Med Term	<u>2</u>
			<b>6</b>

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

RADR	1411	Basic Radiographic Procedures	4
RADR	1301	Introduction to Radiography	3
NMTT	2313	Radiation Biology and Safety	3
RADR	1303	Patient Care	3
			<u>13</u>

**Second Semester**

<u>SPCH</u>	<u>13XX</u>	<u>Speech Elective<sup>6</sup></u>	3
<u>ENGL</u>	<u>1301</u>	<u>Composition I</u>	3
RADR	1313	Princ. of Radiographic Imaging I	3
RADR	2401	Inter Radiographic Procedures	4
			<u>13</u>

**Summer I**

RADR	1367	Practicum I	3
			<u>3</u>

**Summer II**

<u>Language, Philosophy &amp; Culture<sup>4</sup> or Creative Arts<sup>3</sup></u>			3
			<u>3</u>

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

RADR	2305	Princ. of Radiographic Imaging II	3
RADR	2217	Radiographic Pathology	2
RADR	2466	Practicum II	4
<u>PSYC</u>	<u>2301</u>	<u>General Psychology</u>	3
			<u>12</u>

**Second Semester**

RADR	2467	Practicum III*	4
RADR	2333	Advanced Medical Imaging	3
RADR	2335	Radiographic Tech. Seminar	3
			<u>10</u>

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

<sup>^</sup>MATH 0304 Intermediate Algebra is a requirement to be met for admission to the program by placement or course completion according to the Galveston College requirements.

<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>6</sup>Select one course from SPCH 1311, SPCH 1315, SPCH 1318, or SPCH 1321.

<sup>10</sup>Each semester all course work must be completed/passed to continue to the next semester.

\* Identifies Capstone course

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