

# Associate of Applied Science in Radiologic Technology

The Associate of Applied Science (AAS) in Radiologic Technology prepares students for employment as career-entry medical radiographers. Students completing the program receive an Associate of Applied Science and are eligible to apply for certification with the American Registry of Radiologic Technologists (ARRT).

Graduates are prepared with the technical skills necessary to perform a variety of diagnostic radiographic examinations. The primary role of the radiographer is to provide diagnostic images of the structure and function of anatomy to assist the physician in the treatment of injury and disease. Examples of examinations performed include chest, upper and lower extremities, spine, ribs, skull, gastrointestinal, genitourinary, and reproductive systems.

The program of study incorporates didactic instruction, laboratory demonstration and clinical application in a manner that provides correlation of theory with practice. The inclusion of General University Requirements fulfills program goals of developing knowledgeable and competent practitioners who will have opportunities for continued professional growth. Additional expenses include clinical attire, vaccinations, identification badge, background check and other organization fees.

The Associate of Applied Science is not contingent upon the students passing any type of external certification or licensure examination.

The AAS in Radiologic Technology prepares students for employment as a radiologic technologist. The program of study incorporates classroom instruction, laboratory demonstration, and clinical application. The primary role of the radiologic technologist is to provide diagnostic images of the structure and function of anatomy to assist the physician in the treatment of injury and disease.

## Admission Requirements

- Complete the Admission Requirements for Associate Degrees (<https://catalog.uaa.alaska.edu/academicpoliciesprocesses/admissions/undergraduate/>).
- Complete BIOL A111 and BIOL A111L, BIOL A112 and BIOL A112L, and MA A101.
- Submit the radiologic technology department application according to instructions and deadlines on the program website (<https://www.uaa.alaska.edu/academics/college-of-health/departments/school-of-allied-health/radiologic-technology/>).
- Students will initially be admitted to pre-major status. Admission to pre-major status does not guarantee subsequent admission to the major. As a pre-major, students work with an academic advisor to assist them in completing pre-major requirements and preparing them to apply to the full major.

## Special Considerations

- The AAS in Radiologic Technology is a 21 consecutive month program.
- Once admitted to the radiologic technology program students may be required to provide documentation of the following as required by clinical partners for practicum placements:
  - Immunizations
  - Provisional approval of a criminal background check from the State of Alaska
  - Current health insurance coverage
  - BLS certification
  - Students may be required to submit to drug screening.

## Graduation Requirements

- Complete the General University Requirements for Associate Degrees (<https://catalog.uaa.alaska.edu/undergraduateprograms/aasrequirements/>).
- Complete the General Education Requirements for Associate of Applied Science Degrees (<https://catalog.uaa.alaska.edu/undergraduateprograms/aasrequirements/>).
- Complete the following major requirements:

Code	Title	Credits
BIOL A111 & A111L	Human Anatomy and Physiology I and Human Anatomy and Physiology I Lab	4
BIOL A112 & A112L	Human Anatomy and Physiology II and Human Anatomy and Physiology II Lab	4
MA A101	Medical Terminology	3
RADT A111	Introduction to Radiologic Technology and Patient Care	3
RADT A131	Radiographic Procedures I	3
RADT A132	Radiographic Procedures II	3
RADT A133	Radiographic Procedures III	2
RADT A161	Fundamentals of Medical Imaging I	3
RADT A171	Fundamentals of Medical Imaging II	3
RADT A195A	Radiography Practicum I	2
RADT A195B	Radiography Practicum II	6
RADT A240	Introduction to Computed Tomography	1
RADT A251	Radiobiology and Protection	2
RADT A270	Quality Control and Quality Assurance in Medical Imaging	1
RADT A272	Ethics in Medical Imaging	2
RADT A280	Medical Imaging Pathology	3
RADT A292	Radiologic Technology Seminar	1
RADT A295A	Radiography Practicum IV	5

RADT A295B	Radiography Practicum V	5
<b>Total</b>		<b>56</b>

A minimum of 68 credits is required for the degree.

## Program Student Learning Outcomes

Students graduating with an Associate of Applied Science in Radiologic Technology will be able to:

- Demonstrate proficiency and competency in the performance of radiographic procedures utilizing proper exposure techniques.
- Apply entry-level knowledge and skills as a radiologic technologist.
- Demonstrate a professional attitude and proper ethical behavior in clinic settings.
- Utilize effective oral and written communication with patients, physicians, and other healthcare providers.

## Sample Plan

The academic plan below is one pathway through the degree/certificate. It includes all requirements, taking into account recommendations from program faculty. Each student's plan may vary according to their initial course placement (<https://catalog.uaa.alaska.edu/academicpoliciesprocesses/academicstandardsregulations/courseplacement/>), intended course load, additional majors and/or minors, and their placement into required prerequisite courses. Any change in the plan below can have an unforeseen impact on the rest of the plan. **Therefore, it is very important to meet with your academic advisor to verify your personal academic plan.**

Please review the following terms, definitions, and resources associated with the sample academic plan below.

- Each course in the far left column links to a pop-up bubble with a course description, prerequisite requirements, and associations with university requirements. For example, if a course fulfills a general education requirement, you will see that in the pop-up bubble.
- **GER:** indicates a General Education Requirement (<https://catalog.uaa.alaska.edu/undergraduateprograms/baccalaureaterequirements/gers/>). GERs that also count toward degree/certificate requirements appear as a specific course in the plan. For these courses, "GER" is not indicated explicitly in the table, but if you click on the course, you will see the course's GER status in the pop-up bubble.
- **Program Elective:** indicates a specific course selection determined by program faculty to fulfill a degree/certificate requirement. Students should seek assistance from their academic advisor.
- **Elective:** indicates an open selection of 100-400 level university courses to fulfill elective credits needed to meet the minimum total credits toward the degree/certificate.
- **Upper Division Program Elective:** indicates a specific 300-400 level course selection determined by the program faculty to fulfill a degree/certificate requirement. Students should seek assistance from their academic advisor.
- **Upper Division Elective:** indicates an open selection of 300-400 level courses to fulfill elective credits needed to meet the minimum

total credits toward the degree/certificate. These courses must be upper division in order to meet General University Requirements for the particular degree/certificate type.

### First Year

Fall		Credits
BIOL A111 & A111L	Human Anatomy and Physiology I and Human Anatomy and Physiology I Lab	4

MA A101	Medical Terminology	3
GER Oral Communication Skills <sup>1</sup>		3
GER Written Communication Skills <sup>1</sup>		3
<b>Credits</b>		<b>13</b>

### Spring

BIOL A112 & A112L	Human Anatomy and Physiology II and Human Anatomy and Physiology II Lab	4
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GER Quantitative Skills (recommend MATH A105) <sup>1</sup>		3
GER Written Communication Skills <sup>1</sup>		3
<b>Credits</b>		<b>10</b>

### Second Year

Fall		
RADT A111	Introduction to Radiologic Technology and Patient Care	3

RADT A131	Radiographic Procedures I	3
RADT A161	Fundamentals of Medical Imaging I	3
<b>Credits</b>		<b>9</b>

### Spring

RADT A132	Radiographic Procedures II	3
RADT A171	Fundamentals of Medical Imaging II	3
RADT A195A	Radiography Practicum I	2
<b>Credits</b>		<b>8</b>

### Summer

RADT A195B	Radiography Practicum II	6
<b>Credits</b>		<b>6</b>

### Third Year

Fall		
RADT A133	Radiographic Procedures III	2
RADT A240	Introduction to Computed Tomography	1

RADT A251	Radiobiology and Protection	2
RADT A270	Quality Control and Quality Assurance in Medical Imaging	1
RADT A295A	Radiography Practicum IV	5
<b>Credits</b>		<b>11</b>

### Spring

RADT A272	Ethics in Medical Imaging	2
RADT A280	Medical Imaging Pathology	3
RADT A292	Radiologic Technology Seminar	1

RADT A295B	Radiography Practicum V	5
<b>Credits</b>		<b>11</b>
<b>Total Credits</b>		<b>68</b>

<sup>1</sup> GER's can be taken at any time but it is recommended that GER's are completed before applying to the program. All RADT classes are taken only if the student has been accepted into the program. The program's application process is found on the website.