NOTE: The information contained in this packet is applicable **ONLY** to students who are **NOT** certified in radiologic technology. If you are certified in radiologic technology and would like information on THE bridge program to earn a baccalaureate degree, please contact the Department for further information.

**General Information**

Radiologic Sciences is a comprehensive term that is applied to the science of administering radiation and other forms of energy, such as ultrasound and magnetism, to provide information for the diagnosis and treatment of diseases and injuries. The Department of Radiologic Sciences offers a baccalaureate degree with tracks in radiography, radiation therapy, nuclear medicine, and sonography.

<table>
<thead>
<tr>
<th><strong>Radiography</strong></th>
<th><strong>Radiation Therapy</strong></th>
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<tbody>
<tr>
<td>is a high-tech, high-touch health care profession with significant patient contact utilizing sophisticated computerized equipment. The radiographer uses radiation, magnetism, and computers in the production of medical images. These images aid the physician in the diagnosis of broken bones, ulcers, tumors, and diseases. In addition, the radiographer is responsible for providing for the physical and mental well being of the patient during the radiographic examination. Advanced level radiographers perform in areas such as: MRI; CT; Cardiovascular intervention; Mammography; and Quality Management. There is a nationwide demand for all types of Radiation Science Practitioners.</td>
<td>is a dynamic and highly technical field with multiple career and learning opportunities. Radiation therapists use state of the art equipment to treat cancer and other diseases. Responsibilities include patient education, treatment planning, radiation dose calculation, and treatment delivery. Radiation therapists enjoy opportunities to provide extended care and work as members of cancer treatment teams that include physicians, nurses, dosimetrists, and physicists. Therapists can find career opportunities within universities, research facilities, hospitals and private practice settings and as a result of manpower demand career placement rates are stable.</td>
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</tbody>
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<tr>
<th><strong>Sonography</strong></th>
<th><strong>Nuclear Medicine</strong></th>
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</thead>
<tbody>
<tr>
<td>uses high frequency sound waves to produce medical images of internal human anatomy and superficial structures in cross section. Specialty areas include abdominal, obstetrics and gynecology, breast, neurosonography, vascular, and echocardiography. The Diagnostic Medical Sonographer utilizes ultrasound-imaging equipment to gather pertinent information that is necessary to assist the supervising physician in making a diagnosis. He/she must be able to work independently as well as with other health care professionals. Sonographers also have additional responsibilities, which include patient care, record keeping, and assisting physicians with interventional and invasive procedures. Employment opportunities include hospitals, physician offices, sales and application specialists for equipment manufacturers, hospital administration, institutional education, and travel. Demand is high for registered sonographers.</td>
<td>is exciting, people-oriented medical specialty that uses radioactive materials to image the body and treat disease. Nuclear Medicine Technologists are responsible for calculating and administering doses of radioactive pharmaceuticals, and operating equipment that images or measures radioactivity emitted from the human body. Nuclear Medicine Technologists enjoy the opportunity to be an important member of the allied healthcare team that compliments physicians. Nuclear Medicine Technologists can advance from a staff position to that of chief technologist within a department or pursue other career paths: education, technical sales representative, applications specialists, radio-pharmaceutical sales, hospital administration or other challenging career choices. Currently there is high demand for Nuclear Medicine Technologists, which makes career placement rates high.</td>
</tr>
</tbody>
</table>

Upon graduation from Armstrong Atlantic State University, students are eligible to sit for national certification examinations.
Admissions Information

Admission to Armstrong Atlantic State University does not guarantee admission to the Department of Radiologic Sciences. The department has a separate formal admission process beyond the admission process to the university. Applicants are required to submit a formal application to the department; transcripts of all college and technical school course work; and participate in an interview (if needed).

The deadline for submission of all application items is November 1st. No application is complete unless it includes the following: Application Checklist, application to the University, application to the Department, official transcripts (sent to Armstrong Atlantic State University's Registrar), and unofficial transcripts (sent to the Department of Radiologic Sciences). Incomplete applications will not be considered.

A new class begins in June (Summer Semester) each year. Applications will be considered on a competitive basis and written notification of acceptance will begin March 1st (no one will be notified of acceptance by phone). If seats are available, applications received after Nov. 1st will be considered. Students are encouraged to begin taking related core courses (specifically the sciences) as soon as possible. The amount of completed course work, the number of science courses completed, the interview (if needed), and GPA determine competitiveness.

Admission Criteria:

1. Regular admission to Armstrong Atlantic State University (If you are having difficulty with university admissions, contact the Department of Radiologic Sciences for assistance).
2. A GPA of 2.3 or higher for all college work. Applicants with less than 2.3 can apply and may be considered under special circumstances.
3. Prior to the beginning of the program the following must be successfully completed:
   a. 50 semester hours of degree requirements that includes college algebra and two college English courses
   b. Four of the five required science courses
      • For nuclear medicine these must include General Chemistry I and either General Physics I or Physical Environment
      • For sonography these must include General Biology I and either General Physics I or Physical Environment I
4. Prior conviction of a felony or misdemeanor may prevent you from sitting for the national certification examination. If you have been convicted of either a felony or misdemeanor, you must complete the pre-application review process as prescribed by the certification agency and provide the Department with verification of eligibility for the examination.

If accepted into the program the following conditions apply:

A. A student must matriculate each of the six semesters, including summer semester, to remain in the program.
B. Although students who have completed as few as 50 hours are accepted into the program, students with fewer than 60 hours of degree requirements completed prior to entry to the program may not graduate with the rest of the class as they may need to enroll for one or two additional semesters to complete requirements.
C. In order for students to gain a variety of clinical experiences, rotations other than traditional daytime, weekday hours are assigned. The rotations include nights, weekends, and distant clinical sites.
D. Some required courses are only available during the evening or on the weekend.
E. The program has no formal process for entry-level students to take professional courses on a part-time basis. The average commitment is approximately 30-35 hours a week. Students are discouraged from working full time while in the program due to the time commitments of the program.
F. Any student who leaves the program for reasons including suspension without prejudice and leave of absence will be readmitted only on a space available basis.
G. Pregnancy will not prevent a student from successfully completing the program. However, an extended maternity/paternity leave may result in graduation delay.
H. The profession requires significant physical activity, mobility, and vision. For complete information, please see attached Essential Functions.
**Baccalaureate Degree Curriculum**

Students entering the baccalaureate degree program in the Department of Radiologic Sciences must complete a required number of core courses prior to admission and the remainder prior to graduation. Students in all of the tracks will have common ‘professional core’ courses and have discipline specific courses. A flow chart of the courses follows.

### B.S. in Radiologic Sciences

<table>
<thead>
<tr>
<th>B.S. Core Courses S.H.</th>
<th>63</th>
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</thead>
<tbody>
<tr>
<td>English I &amp; II</td>
<td>6</td>
</tr>
<tr>
<td>Literature or Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>Drama, Art, or Music</td>
<td>3</td>
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<tr>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>Pre-Calculus</td>
<td>3</td>
</tr>
<tr>
<td>Statistics</td>
<td>3</td>
</tr>
<tr>
<td>Ethics &amp; Values</td>
<td>2</td>
</tr>
<tr>
<td>Global Perspectives</td>
<td>2</td>
</tr>
<tr>
<td>World Civilization</td>
<td>3</td>
</tr>
<tr>
<td>American History &amp; Georgia Government</td>
<td>3</td>
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<tr>
<td>One introductory Social Science course from:</td>
<td></td>
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<tr>
<td>Psychology, Sociology, Anthropology or Econ</td>
<td>3</td>
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<tr>
<td>One introductory Social Science course from:</td>
<td></td>
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<tr>
<td>Psychology, Sociology, Anthropology, Economics,</td>
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<tr>
<td>World History, American History, Political Science, or</td>
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<tr>
<td>Women's Studies</td>
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<tr>
<td>One lab science sequence in Chemistry, Biology</td>
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<tr>
<td>or Physics</td>
<td>8</td>
</tr>
<tr>
<td>Physical Science with lab</td>
<td>4</td>
</tr>
<tr>
<td>Human A &amp; P I &amp; II</td>
<td>8</td>
</tr>
<tr>
<td>Physical Education</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
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</tbody>
</table>

### Common Professional Classes S.H.

<table>
<thead>
<tr>
<th>Course</th>
<th>S.H.</th>
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<tbody>
<tr>
<td>HLPR 2000 Intro to Research in Health Professions</td>
<td>2</td>
</tr>
<tr>
<td>RADS 3000 Intro. To Radiologic Sciences</td>
<td>2</td>
</tr>
<tr>
<td>RADS 3050 Patient Care and Interaction</td>
<td>3</td>
</tr>
<tr>
<td>RADS 3100 Medical Communication</td>
<td>1</td>
</tr>
<tr>
<td>RADS 3200 Imaging Pathology</td>
<td>3</td>
</tr>
<tr>
<td>RADS 3071 Radiographic Procedures I</td>
<td>3</td>
</tr>
<tr>
<td>RADS 3450 Leadership in Health Care</td>
<td>3</td>
</tr>
<tr>
<td>RADS 4410 Cross Sectional Anatomy</td>
<td>3</td>
</tr>
<tr>
<td>RADS 4430 Professional Practice Seminar</td>
<td>3</td>
</tr>
<tr>
<td>RADS 4450 Radiology Manag. &amp; Leadership</td>
<td>3</td>
</tr>
</tbody>
</table>
### Nuclear Medicine Track 40 S.H.
- RADS 3090 Intro to Rad Physics ..........3
- RADS 3150 Radiobiology & Prot...........3
- RADS 3072 Rad. Procedures II..........3
- RADS 3073 Rad. Procedures III...........3
- RADS 3161 Clinical Education I ........3
- RADS 3162 Clinical Education II ......3
- RADS 4050 Qual. Manag. In Rad........2
- RADS 4090 Radiographic Physics .......3
- RADS 4163 Clinical Education III ....3
- RADS 4165 Rad. Synthesis.................1
- RADS 4164 Clinical Education IV ......3
- RADS 4420 RAD Seminar..................1
- One of the following:
  - RADS 4111 MRI and RADS 4171
  - RADS 4112 CT and RADS 4172
  - RADS 4113 Mammo and RADS 4173
  - RADS 4114 CVIT and RADS 4174....6

### Radiation Therapy Track 40 S.H.
- RADS 3090 Intro to Rad Physics ..........3
- RADS 3150 Radiobiology & Prot...........3
- RADS 3190 Prin. of Radiation Therapy.................................................................3
- RADS 3301 Clinical Education I.........2
- RADS 3302 Clinical Education II........2
- RADS 4303 Clinical Education III.......3
- RADS 4304 Clinical Education IV........3
- RADS 4305 Clinical Education V........3
- RADS 4201 Radiation Oncology I........3
- RADS 4202 Radiation Oncology II........3
- RADS 4240 Rad. Therapy Physics.........3
- RADS 4260 Treatment Planning............3
- RADS 4280 Qual. Manag. In Radiation Therapy..................................................1
- RADS 4304S Synthesis....................1
- RADS 4305S Seminar......................1

### Radiography Track 40 S.H.
- RADS 3060 Prin. of Image Formation ....3
- RADS 3090 Intro to Rad. Physics ........3
- RADS 3150 Radiobiology & Prot..........3
- RADS 3072 Rad. Procedures II..........3
- RADS 3073 Rad. Procedures III.........3
- RADS 3161 Clinical Education I ........3
- RADS 3162 Clinical Education II ......3
- RADS 4050 Qual. Manag. In Rad........2
- RADS 4090 Radiographic Physics .......3
- RADS 4163 Clinical Education III ....3
- RADS 4165 Rad. Synthesis.................1
- RADS 4164 Clinical Education IV ......3
- RADS 4420 RAD Seminar..................1
- One of the following:
  - RADS 4111 MRI and RADS 4171
  - RADS 4112 CT and RADS 4172
  - RADS 4113 Mammo and RADS 4173
  - RADS 4114 CVIT and RADS 4174....6

### Sonography Track 40 S.H.
- COMM 2280 Speech Communication.......3
- RADS 3601 Sonographic Theory I........3
- RADS 3602 Sonographic Theory II.......3
- RADS 3603 Sonographic Theory III.....3
- RADS 3631 Sono Clinical Education I....2
- RADS 3632 Sono Clinical Education II...3
- RADS 3651 Sonography Physics I........3
- RADS 3652 Sonography Physics II.......3
- RADS 4114 Advanced Imaging in CVIT....3
- RADS 4633 Sono Clinical Education III..3
- RADS 4634 Sono Clinical Education IV...3
- RADS 4635 Sono Clinical Education V....3
- RADS 4661 Sonography Synthesis........1
- RADS 4662 Advanced Sonography Seminar.....1
- RADS 4671 Intro to Vascular Sono......3
Estimated Fees For Radiologic Sciences Programs

Professional Membership Dues - approximately $75.00

Student Association Dues

Radiologic Sciences Student Association $85.50 (initial)
Radiologic Sciences Student Association $64.00 (each semester thereafter)

Liability Insurance

$15.00 - $200.00

Uniforms

Approximate cost $300.00

Books and Supplies

Approximate cost $100.00 - $400.00 (varies from semester to semester)

**All fees are approximate and subject to change**